Literaturverzeichnis

[001] Bull. Soc. Chim. de Paris 1865, #01, p. 98 - 110 (*via* {BNF)
August Kekulé (von Stradonitz)
http://gallica.bnf.fr/ark:/12148/bpt6k281952v/f102.image.r= (kostenfrei zugänglich)

[002] Ann. 1866, #137-2, p. 129 - 196, besonders S. 158
August Kekulé (von Stradonitz) (und unter Mithilfe von Carl Andreas Glaser)
"Untersuchungen über aromatische Verbindungen"
DOI: 10.1002/jlac.18661370202

[003] Liebigs Ann. Chem. 1872, #162-1, p. 77 - 124
August Kekulé
"Ueber einige Condensationsproducte des Aldehyds"
DOI: 10.1002/jlac.18721620110

[004] Zeits. f. Phy. 1931, #70_3-4, p. 204 - 286
Erich Hückel
"Quantentheoretische Beiträge zum Benzolproblem - I. Die Elektronenkonfiguration des Benzols und verwandter Verbindungen"
DOI: 10.1007/BF01339530

[005] Zeits. f. Phy. 1931, #72_5-6, p. 310 - 337
Erich Hückel
"Quantentheoretische Beitrage zum Benzolproblem - II. Quantentheorie der induzierten Polaritäten"
DOI: 10.1007/BF01341953

[006] ACIE 2007, #46-41, p. 7869 - 7873 (und Inside Cover der Ausgabe)
Marcin Stępień, Lechosław Latos-Grażyński, Natasza Sprutta, Paulina Chwalisz and Ludmiła Szterenberg
"Expanded Porphyrin with a Split Personality: A Hückel–Möbius Aromaticity Switch"
DOI: 10.1002/anie.200700555
(Angew. 2007, #119-41, p. 8015 - 8019; dito, dito; DOI: 10.1002/ange.200700555)

[007] Glauberus Concentratus Cap. XXIX, S. 181 (u.a. *via* MDZ / BSB) gedruckt 1715 in Leipzig
Johann Rudolph Glauber
"Spiritus von Stein-Kohlen"
(http://reader.digitale-sammlungen.de/de/fs1/object/display/bsb10226683_00187.html)

[008] Furni Novi Philosophici (Band 2 / Ander Theil) Amsterdam 1650
(Furni Novi Philosophici Oder Beschreibung einer New-erfundenen Distillir-Kunst)
Johann Rudolph Glauber
S. 71 in der Auflage von 1650, Amsterdam; S. 85 in der Auflage von 1661, Amsterdam (cap. XLIV)
(deutschsprachige Ausgaben)
Kapitel "Von den Stein-Kohlen"
"...so gehet nicht allein ein scharfer Spiritus, sondern auch ein hitziges und blut-rothes Oleum uber welches alle feuchte Ulcera gewaltig trucknet und heilet…"
(unterschiedliche Schreibweisen in den Auflagen)

[009] (Glaubers "liebliches Oleum")
Ich habe hierfür keine Originalquelle finden können, hatte allerdings auch keinen unbeschränkten Zugang zu möglicherweise zielführenden Werken.
Nutzt man eine populäre Suchmaschine, so findet man in vielen Dokumenten Hinweise auf Glaubers "subtiles und liebliches Oleum", auch in (de.)Wikipedia (Stand März 2015) ist davon zu lesen. Ich habe bislang von diesem Begriff, so passend er Benzol auch beschreiben mag, nichts gefunden; zumindest nicht im Zusammenhang mit seiner Steinkohledestillation. Möglicherweise gibt es aber noch Dokumente Glaubers oder seiner Zeitzeugen, die ich nicht gesichtet habe, bzw. möglicherweise eine andere Auflage, oder ich habe es schlichtweg nicht aufspüren können. Dennoch, seine Ausführungen in den "philosophischen Öfen" und dem Concentratus lassen auf eine thermische Abtrennung mindestens benzolhaltiger Kohlenwasserstoffe schließen. Auch bei einer Durchsicht der Schrift von Erich Pietsch [010] fand ich lediglich Hinweise auf letzteres.

[010] (Deutsches Museum Abhandlungen und Berichte)
24. Jahrgang 1956, Heft 1
Erich Pietsch
"Johann Rudolph Glauber - Der Mensch, sein Werk und seine Zeit"

Verlag von R. Oldenbourg München 1956 / VDI-Verlag GmbH Düsseldorf
optional gibt es noch ein Buch von Kurt F. Gugel "Johann Rudolph Glauber Leben und Werk"

[011] Phil. Trans. R. Soc. London 1825, #115, p. 440 - 466
Miachel Faraday
"On new compounds of carbon and hydrogen, and on certain other products obtained during the decomposition of oil by heat"
DOI: 10.1098/rstl.1825.0022
(Damalige Einheiten beachten!)

[012] ChiuZ 1998, #32-5, p. 256 - 264
Edgar Heilbronner und Jean Jacques
"Paul Havrez und seine Benzolformel - Ein überraschendes Addendum zur Geschichte der Benzolformel"
DOI: 10.1002/ciuz.19980320505
(zur Konfusion über die Atomgewichte spez. S. 257 Mitte unten)

[013] Ann. Pharma. 1834, #9-1, p. 39 - 48
Eilhard Mitscherlich
"Ueber das Benzol und die Säuren der Oel- und Talgarten"
DOI: 10.1002/jlac.18340090103

[014] Ann. Pharma. 1834, #9-1, p. 48 - 56
Redaktion (Philipp Lorenz Geiger und Justus Liebig, letzterer unterschreibt den redaktionellen Beitrag)
"Ueber das Benzol und die Säuren der Oel- und Talgarten"
DOI: 10.1002/jlac.18340090104

[015] (unter anderem) a) Ann. Phy. 1834, #107-18, p. 283 - 287
Eilhard Mitscherlich
"Ueber die Benzinschwefelsäure"
DOI: 10.1002/andp.18341071803
b) Ann. Phy. 1834, #107-40, p. 625 - 631
Eilhard Mitscherlich
"Ueber die Zusammensetzung des Nitrobenzids und Sulfobenzids"
DOI: 10.1002/andp.18341074002

[016] Pogg. Ann. Phy. 1835, #111, p. 370 - 374
Eilhard Mitscherlich
"Chlorbenzin und Chlorbenzid"
DOI: 10.1002/andp.18351110615
(http://reader.digitale-sammlungen.de/de/fs1/object/display/bsb10130348_00386.html)

[017] Angew. 1948, #60-4, p. 109 - 111
Christian Wiegand
"Entstehung und Deutung wichtiger organischer Trivialnamen …"
DOI: 10.1002/ange.19480600407

[018] Joseph Loschmidt
"Chemische Studien; A: Constitutions-Formeln der organischen Chemie in graphischer Darstellung (und B: Das Mariottesche Gesetz)"
53 Seiten mit 7 Tafeln, Druck bei Carl Gerolds Sohn, Wien, 1861
Ab Seite 30 ("Phenylreihe") und man beachte speziell die Figurentafeln am Ende.

Loschmidts Werk, "Chemische Studien ..." ist hier (Stand März 2015) online zugänglich:
http://daten.digitale-sammlungen.de/bsb00028550/image_1
Bayerische Staatsbibliothek / Münchener Digitalisierungszentrum
(Leider sind die Tafeln in der Online-Ausgabe sehr klein eingescannt und mit Kompressionsartefakten behaftet, so daß die Lesbarkeit deutlich darunter leidet.)

[019] Physikalische Blätter 1995, #51_7-8, p. 693 - 695
D. Flamm
"Josef Loschmidt: Vor hundert Jahren starb der Pionier der Atomistik und der organischen Strukturchemie"
DOI: 10.1002/phbl.19950510738

[020] "Konstitutionsformeln der Organischen Chemie in Graphischer Darstellung"
J. Loschmidt, repbuliziert von R. Anschütz

Verlag Wilhelm Engelmann, Leipzig, 1913
z.Z. wohl durch Aldrich Chemical wieder herausgegeben

[021] John H. Wotiz
"The Kekulé Riddle - A Challenge for Chemists and Psychologists"
Glenview Press, Carbondale (IL) / Cache River Press, Clearwater (FL) / Vienna (IL)
ISBN: 0-9627422-2-8 (1. Auflage)
ab S. 222; das Werk gibt auch einige aufschlußreiche Einblicke in die Welt der damaligen Journale

[022] Auf der Website (Stand März 2015)
http://www.loschmidt.cz/
finden sich etliche Dokumente (auch einige der bereits angeführten Artikel) die sich mit Loschmidts Wirken und auch der Benzol-Historie beschäftigen.

[023] "Chemistry in Britain", heute Chemistry World, RSC; 1993, Februar, p. 126 - 128
Christian R. Noe and Alfred Bader
"Facts are better than dreams"
(http://www.loschmidt.cz/loadframe.html?views.html Stand März 2015)

[024] Annalen 1899, #306_1-2, p. 87 - 266
(Hrsg.: Emil Erlenmeyer, (Wilhelm) Rudolph Fittig, Adolf von Baeyer, Otto Wallach und Jacob Volhardt)
Johannes Thiele
in mehreren Abschnitten, Co-Autoren Ernst Mayr, Karl Schleussner, Heinrich Rössner, Jacob / Jakob Meisenheimer
"Zur Kenntniss der ungesättigten Verbindungen …"
hier besonders ab S. 125 - 129 "VIII. Die aromatischen Verbindungen. Das Benzol."
DOI: 10.1002/jlac.18993060107

[025] Annalen 1901, #319-2, p. 129 - 143, speziell ab S. 136
Johannes Thiele
"Zur Kenntnis der ungesättigen Verbindungen - Ueber die Constitution der ungesättigten und aromatischen Verbindungen"
DOI: 10.1002/jlac.19013190202

[026] J. Chem. Soc. Trans. 1902, #81, p. 961 - 964
James Ernest* Marsh
"The Stereochemical Formulae of Benzene."
DOI: 10.1039/CT9028100961
(* nicht zu verw. mit James Marsh (1794 - 1846) nach dem der Arsen-Nachweis benannt ist; siehe F. Soddy in Obituary Notices of Fellows of the Royal Society 1939, #2-7, p. 549 - 556; http://www.jstor.org/stable/769008)

[027] JACS 1922, #44-8, p. 1618 - 1630
Ernest C. Crocker
"Application of the Octet Theory to Single-Ring Aromatic Compounds"
DOI: 10.1021/ja01429a002

[028] Chem. Rev. 2005, #105-10, p. 3436 - 3447
Alexandru T. Balaban, Paul v. R. Schleyer and Henry S. Rzepa
"Crocker, Not Armit and Robinson, Begat the Six Aromatic Electrons"
DOI: 10.1021/cr0300946

[029] J. Chem. Soc. Trans. 1925, #127, p. 1604 - 1618; speziell S. 1605
James Wilson Armit and Robert Robinson
"Polynuclear Heterocyclic Aromatic Types. Part II. Some Anhydronium Bases."
DOI: 10.1039/CT9252701604

[030] Angew. 1927, #40-25, p. 736 - 737
Stephan Kekule von Stradonitz (Sohn von Friedrich August Kekule (von Stradonitz))
"Zwei chemische Visionen."
DOI: 10.1002/ange.19270402505

[031] Philos. Transact. RSC London, 1821, #111, p. 209 - 221
John Kidd
"Observations on Naphthaline, a Peculiar Substance Resembling a Concrete Essential Oil, Which is Apparently Produced during the Decomposition of Coal Tar, by Exposure to a Red Heat"
DOI: 10.1098/rstl.1821.0017

[032] Aaron J. Ihde
"Faraday isolated Naphthalene in 1825 from Persian naphtha - naphthalene had been discovered in 1819 in coal tar by Alexander Garden, an English industrialist - and studied its composition."
"The Development of Modern Chemistry", p. 171 unten, 172 oben
Dover Publications (part of Courier Corporation)

[033] Ich habe hierfür keine Originalquelle gefunden. Es wird zumindest in allen sekundären Quellen angegeben, daß Erlenmeyer diese Strukturformel ca. 1865/66 aufstellte.

[034] Compt. Rend. 1835, #1, p. 439 - 440 (*via* {BNF)
Auguste Laurent and Jean Dumas
"Note sur la paranaphtalèse" (communiquée par M. A. Laurent)
http://gallica.bnf.fr/ark:/12148/bpt6k29606/f439.image (kostenfrei zugänglich, Stand Okt. 2015)

[035] Compt. Rend. 1837, #5, p. 803 (*via* {BNF)
Auguste Laurent
"Noveau carbure d'hydrogène (Pyrène)"
http://gallica.bnf.fr/ark:/12148/bpt6k2964f/f803.image.r= (kostenfrei zugänglich, Stand Okt. 2015)

[036] Compt. Rend. 1837, #5, p. 718 - 719 (*via* {BNF)
Auguste Laurent
"Mémoire sur un nouveau carbure d'hydrogène (Chrysène)"
http://gallica.bnf.fr/ark:/12148/bpt6k2964f/f718.image.r= (kostenfrei zugänglich, Stand Okt. 2015)

[037] Justus von Liebig, Philipp Lorenz Geiger
"Handbuch der organischen Chemie mit Rücksicht auf Pharmacie"
Heidelberg 1843
S. 690 Chrysen und Pyren
http://reader.digitale-sammlungen.de/de/fs1/object/display/bsb10073226_00706.html (kostenfrei zugänglich, Stand Mai 2015)

[038] G. Auerbach (Polytechnikum Zürich)
"Das Anthracen und seine Derivate"
1873, Verlag Oswald Seehagen, Berlin (*via* BSB / MDZ)

[039] James Riddick Partington
"A Short History of Chemistry"
Dover Publications, 3rd ed., p. 269 (part of Courier Corporation)

[040] a) beginnend seine Untersuchungen hier:
Ann. Phy. 1826, #8, p. 253 - 265
Otto Unverdorben zu Dahme
"Ueber das Verhalten der organischen Körper in höheren Temperaturen"
DOI: 10.1002/andp.18260841011

b) Das Anilin, von ihm "Crystallin" genannt beschreibt er hier:
Ann. Phy. 1826 #84-11, p. 397 - 410
Otto Unverdorben zu Dahme
"Ueber das Verhalten organischer Körper in höheren Temperaturen"
(u.a. in der Thüringer Universitäts- und Landesbibliothek Jena online in guter Qualität ohne ersichtliche Zugangsbeschränkung erhältlich, auch in der {BNF, dort aber in weniger guter Qualität)
http://zs.thulb.uni-jena.de/receive/jportal_jparticle_00110812 (Stand März 2015)
DOI: 10.1002/andp.18260841109

[041] Ann. Phy. 1834, #107-5, p. 65 - 78
Friedlieb Ferdinand Runge
"Ueber einige Produkte der Steinkohlendestillation"
DOI: 10.1002/andp.18341070502

[042] Chem. Ber. 1870, #3-1, p. 514 - 517
(Johann Friedrich Wilhelm) Adolf von Baeyer and Adolph(?) Emmerling
"Reduction des Isatins zu Indigblau"
DOI: 10.1002/cber.187000301169

[043] a) Ann. d. Chemie 1849, #70-1, p. 32 - 38
Thomas Anderson
"Producte der trocknen Destillation thierischer Materien"
DOI: 10.1002/jlac.18490700105

b) Ann. d. Chemie 1851, #80-1, p. 44 - 65 (spez. ab S. 55 unten)
Thomas Anderson
"Ueber die Producte der trocknen Destillation thierischer Materien"
DOI: 10.1002/jlac.18510800104

[044] J. Chem. Soc. Trans. 1885, #47, p. 924 - 926
Edward Divers and Teikichi Nakamura
"On an Apparently New Hydrocarbon from Distilled Japanese Petroleum"
DOI: 10.1039/CT8854700924

[045] Chem. Ber. 1916, #49-1, p. 277 - 284
Walter Friedmann
"Überführung des alpha-Methylnaphthalins in 1,2-Di-alpha-naphthyläthan und Picen."
DOI: 10.1002/cber.19160490132

[046] Helv. Chim. Acta 1934, #17-1, p. 470 - 474
L. Ružička (ggf. Schreibweise auch Ruzicka) und H. Hösli (Hoesli)
"Über eine neue Synthese des Phenanthrens, Chrysens und Picens"
DOI: 10.1002/hlca.19340170153

[047] a) Chem. Ber. 1907, #40-1, p. 153 - 158
Carl (Ulrich Franz) Mannich
"Über die Kondensation des Cyclohexanons"
DOI: 10.1002/cber.19070400122

b) Chem. Ber. 1907, #40-1, p. 159 - 165
Carl (Ulrich Franz) Mannich
"Über Triphenylen"
DOI: 10.1002/cber.19070400123

[048] Org. Syn. 1960, #40, p. 105 - 107
H. Heaney and I. T. Millar
(checked by John D. Roberts and L. K. Montgomery)
"Triphenylene"
DOI: 10.15227/orgsyn.040.0105

[049] a) Chem. Ber. 1910, #43-2, p. 2202 - 2209
Roland Scholl, Christian Seer und Roland Weitzenböck
"Perylen, ein hoch kondensierter aromatischer Kohlenwasserstoff $C_{20}H_{12}$"
DOI: 10.1002/cber.191004302175

b) Berichte dt. chem. Ges. 1913, #46-2, p. 1994 - 2000
Richard Weitzenböck and Christian Seer
"Zur Kenntnis des Perylens und seiner Derivate. (2. Mitteilung)"
DOI: 10.1002/cber.191304602115

[050] Liebigs Ann. 1912, #394-2, p. 111 - 177
Roland Scholl und Christian Seer
"Abspaltung aromatisch gebundenen Wasserstoffs und Verknüpfung aromatischer Kerne durch Aluminiumchlorid"
DOI: 10.1002/jlac.19123940202

[051] Compt. rend. 1926, 182, p. 1440 - 1443 (*via* {BNF)
Charles Moureu, Charles Dufraisse and Paul Marshall Dean
"Sur un hydrocarbure coloré: le rubrène"

weiterhin
Namensverzeichnis von Compt. Rend. (04 Jan 1926 - 30 Dez 1940) S. 643 (unten rechts und folgende); Moureu, Charles und S. 286 (links unten) Dufraisse, Charles
http://gallica.bnf.fr/ark:/12148/bpt6k31356/f1440.image (kostenfrei zugänglich)

[052] EurJOC 2011, #22, p. 4160 - 4169
Daniele Braga, Abdelhafid Jaafari, Luciano Miozzo, Massimo Moret, Silvia Rizzato, Antonio Papagni and Abderrahim Yassar
"The Rubrenic Synthesis: The Delicate Equilibrium between Tetracene and Cyclobutene"
DOI: 10.1002/ejoc.201100033

[053] Chem. Ber. B 1929, #62-11, p. 3021 - 3029
Erich Clar und Friedrich John
"Zur Kenntnis mehrkerniger aromatischer Kohlenwasserstoffe und ihrer Abkömmlinge, V. Mitteil.: Naphtho-Anthracene, ihre Oxydationsprodukte und eine neue Klasse tiefgefärbter Kohlenwasserstoffe."
DOI: 10.1002/cber.19290621113

[054] Monatshefte Ch. 1914, #35-4, p. 375 - 382
Ernst Philippi
"Lineares Dinaphtanthracen (III. Mitteilung)"
DOI: 10.1007/BF01525604

[055] Molecules 2012, #17-4, p. 4625 - 4633 (der Artikel ist unter CC-BY v3 freiheitlich erhältlich)
Chandrani Pramanik and Glen P. Miller
"An Improved Synthesis of Pentacene: Rapid Access to a Benchmark Organic Semiconductor"
DOI: 10.3390/molecules17044625

[056] Angew. 1929, #42-37, p. 911 - 918
O. Diels
"Die "Dien-Synthesen", ein ideales Aufbauprinzip organischer Stoffe."
DOI: 10.1002/ange.19290423704

[057] Chem. Ber. A/B 1932, #65-5, p. 902 - 915
Roland (Heinrich) Scholl und Kurt Meyer
"Synthese des anti-diperi-Dibenz-Coronens und dessen Abbau zum Coronen (Hexabenzo-Benzol).
DOI: 10.1002/cber.19320650546

[058] Chem. Ber. 1942, #75-11, p. 1283 - 1287
Erich Clar
"Eine neue Synthese des Hexacens"
DOI: 10.1002/cber.19420751102

[059] Erich Clar
"Aromatische Kohlenwasserstoffe - polycyclische Systeme"
2. Auflage, 1952, Springer-Verlag
aus der Reihe "Organische Chemie in Einzeldarstellungen" (Hrsg. Hellmut Bredereck und Eugen Müller)

[060] Chem. Ber. 1942, #75-11, p. 1330 - 1338
Erich Clar
"Heptacen - ein einfacher, "ultragrüner" Kohlenwasserstoff"
DOI: 10.1002/cber.19420751114

[061] J. Chem. Soc. #1957, p. 2681 - 2689
B. Boggiano und Erich Clar
"Four Higher Annelated Pyrenes with Acene Character"
DOI: 10.1039/JR9570002681

[062] JACS (Comm.) 2006, #128-30, p. 9612 - 9613
Rajib Mondal, Bipin K. Shah and Douglas C. Neckers
"Photogeneration of Heptacene in a Polymer Matrix"
DOI: 10.1021/ja063823i

[063] JACS 2009, #131-40, p. 14281 - 14289
Rajib Mondal, Christina Tönshoff, Dmitriy Khon, Douglas C. Neckers and Holger F. Bettinger
"Synthesis, Stability, and Photochemistry of Pentacene, Hexacene, and Heptacene: A Matrix Isolation Study"
DOI: 10.1021/ja901841c

[064] ACIE 2010, #49-24, p. 4125 - 4128
Christina Tönshoff and Holger F. Bettinger
"Photogeneration of Octacene and Nonacene"
DOI: 10.1002/anie.200906355
Angew. 2010, #122-24, p. 4125 - 4128
Christina Tönshoff and Holger F. Bettinger
"Photochemische Erzeugung von Octacen und Nonacen"
DOI: 10.1002/ange.200906355

[065] JACS (Comm.) 2010, #132-4, p. 1261 - 1263
Irvinder Kaur, Mikael Jazdzyk, Nathan N. Stein, Polina Prusevich and Glen P. Miller
"Design, Synthesis, and Characterization of a Persistent Nonacene Derivative"
DOI: 10.1021/ja9095472

[066] Chem. Ber. 1903, #36-4, p. 4153 - 4164
Jakob Meisenheimer und Klaus Witte
"Reduction von 2-Nitronaphtalin."
DOI: 10.1002/cber.19030360481

[067] Monatsh. 1918, #39-5, p. 315 - 323
Richard Weitzenböck und Albert Klingler
"Synthese der isomeren Kohlenwasserstoffe 1,2-5,6-Dibenzanthracen und 3,4-5,6-Dibenzphenanthren"
DOI: 10.1007/BF01524529

[068] a) JACS 1955, #77-12, p. 3420 - 3421
Melvin S. Newman, Wilson B. Lutz and Daniel Lednicer
"A new reagent for resolution by complex formation; the resolution of Phenanthro-[3,4-c]Phenanthrene"
DOI: 10.1021/ja01617a097

b) JACS 1956, #78-18, p. 4765 - 4770
Melvin S. Newman and Daniel Lednicer
"The Synthesis and Resolution of Hexahelicene"
DOI: 10.1021/ja01599a060

[069] a) J. Chem. Soc. (Res.) 1954, p. 3288 - 3294
E. Harnik, F. H. Herbstein, G. M. J. Schmidt and (in part) F. L. Hirshfeld
"The Structure of Overcrowded Aromatic Compounds. Part I: A Preliminary Survey."
DOI: 10.1039/JR9540003288

es folgt eine Reihe weiterer Veröffentlichungen:

b) J. Chem. Soc. 1954, p. 3295 - 3302
E. Harnik and G. M. J. Schmidt
"The Structure of Overcrowded Aromatic Compounds. Part II: The Crystal Structure of Dianthronylidene."
DOI: 10.1039/JR9540003295

c) J. Chem. Soc. 1954, p. 3302 - 3313
F. H. Herbstein and G. M. J. Schmidt
"The Structure of Overcrowded Aromatic Compounds. Part III: The Crystal Structure of 3 : 4-Benzophenanthrene."
DOI: 10.1039/JR9540003302

d) J. Chem. Soc. 1954, p. 3314 - 3319
F. H. Herbstein and G. M. J. Schmidt
"The Structure of Overcrowded Aromatic Compounds. Part IV: The Crystal Structure of Tetrabenzonaphthalene."
DOI: 10.1039/JR9540003314

e) JOC 1959, #24-4, p. 557 - 559
E. Cahana, G. (M. J.(?)) Schmidt and K. Shah
"The Crystal and Molecular Structures of Overcrowded Compounds. [Part] V: The Double Cyclization of

Diphenethylacetic Acids."
DOI: 10.1021/jo01086a601

[070] a) J. Chem. Soc. 1963, p. 2108 - 2125
F. L. Hirshfeld, Selina Sandler and G. M. J. Schmidt
"The structure of overcrowded aromatic compounds. Part VI. The crystal structure of benzo[c]phenanthrene and of 1,12-dimethylbenzo[c]phenanthrene"
DOI: 10.1039/JR9630002108

b) J. Chem. Soc. 1963, p. 2126 - 2135
F. L. Hirshfeld
"The Structure of Overcrowded Aromatic Compounds. Part VII: Out-of-plane Deformation in Benzo[c]phenanthrene and 1,12-Dimethyl-benzo[c]phenanthrene."
DOI: 10.1039/JR9630002126

[071] Tet. Lett. 1968, #9-31, p. 3507 - 3510
R.H. Martin, M. Flammang-Barbieux, J.P. Cosyn and M. Gelbcke
"1 - Synthesis of octa- and nonahelicenes. 2 - New syntheses of hexa- and heptahelicenes. 3 - Optical rotation and O.R.D. of heptahelicene"
DOI: 10.1016/S0040-4039(01)99095-1

[072] Chem. Ber. 1983, #116-10, p. 3487 - 3503
Heinz A. Staab and François Diederich
"Cycloarenes, a New Class of Aromatic Compounds, I - Synthesis of Kekulene"
DOI: 10.1002/cber.19831161021

[073] ACIE 2012, #51-51, p. 12795 - 12800; und Innencover der Ausgabe
Bharat Kumar, Ruth L. Viboh, Margel C. Bonifacio, William B. Thompson, Jonathan C. Buttrick, Babe C. Westlake, Min-Soo Kim, Robert W. Zoellner, Sergey A. Varganov, Philipp Mörschel, Jaroslav Teteruk, Martin U. Schmidt and Benjamin T. King
"Septulene: The Heptagonal Homologue of Kekulene"
DOI: 10.1002/anie.201203266
(Angew. 2012, #124-51, p. 12967 - 12972; dito, dito; DOI: 10.1002/ange.201203266)

[074] ACIE 2006, #45-44, p. 7367 - 7370 (und Cover; loc. cit. p. 7305)
Konstantin Yu. Chernichenko, Viktor V. Sumerin, Roman V. Shpanchenko, Elizabeth S. Balenkova and Valentine G. Nenajdenko
""Sulflower": A New Form of Carbon Sulfide"
DOI: 10.1002/anie.200602190
(Angew. 2006, #118-44, p. 7527 - 7570; dito, dito; DOI: 10.1002/ange.200602190)

[075] http://www.nobelprize.org/nobel_prizes/chemistry/laureates/1996/press.html
(Stand Okt. 2015)

[076] Nature 1985, #318 p. 162 - 163
Harold Walter Kroto, J. R. Heath, S. C. O'Brien, Robert Floyd Curl and Richard Errett Smalley
"C60: Buckminsterfullerene"
DOI: 10.1038/318162a0

[077] Chem. Eng. News 2006, #84-41, p. 13 - 19 (*via* Subito)
Bethany Halford
"The world according to Rick"
DOI: 10.1021/cen-v084n041.p013

[078] Journal of Crystal Growth 1976, #32-3, p. 335 - 349
Agnés Oberlin, Morinobu Endo and T. Koyama
"Filamentous growth of carbon through benzene decomposition"
DOI: 10.1016/0022-0248(76)90115-9

[079] Nature 1991, #354-6348, p. 56 - 58
Sumio Iijima
"Helical microtubules of graphitic carbon"
DOI: 10.1038/354056a0

[080] Die englischsprachige Wikipedia bietet eine Übersicht über die vergleichsweise lange Geschichte der Annäherung an das Graphen.
https://en.wikipedia.org/wiki/Graphene (Stand Dez. 2015)

[081] ACIE 2015, #127-32, p. 9262 - 9263
Andreas Hirsch
"Das "Graphen Flagship" - ein europäisches Großforschungsprojekt"
DOI: 10.1002/ange.201504842

[082] http://www.mpip-mainz.mpg.de/38085/Director
(Stand Okt. 2015)

[083] http://www-organik.chemie.uni-wuerzburg.de/lehrstuehlearbeitskreise/wuerthner/home/frank_wuerthner/
(Stand Apr. 2015)

[084] Maximilian Zander
"Polycyclische Aromaten: Kohlenwasserstoffe Und Fullerene"
Teubner Verlag, 1995
ISBN-13: 978-3519035374

[085] Heinrich Zollinger
"Color Chemistry - Syntheses, Properties and Applications of Organic Dyes and Pigments"
3. Auflage Wiley VCH
ISBN 3-906390-23-3 (3. Auflage)

[086] Willy Herbst and Klaus Hunger
"Industrial Organic Pigments - Production, Properties, Applications"
VCH Weinheim, 3. Auflage, 2004
ISBN 3-527-30576-9
("Industrielle Organische Pigmente - Herstellung, Eigenschaften, Anwendung")
(VCH Weinheim, 1. Auflage, 1987; ISBN 3-527-26319-5)

[087] http://www.uni-heidelberg.de/institute/fak12/OC/bunz/heteroacenes.html
(Stand Nov. 2015)

[088] http://www.light2015.org/Home.html
(Stand Juli 2015)

[089] http://www.iapp.de/~leo
Persönlicher Besuch des Vortrags, Vortrag liegt vor.

[090] a) A. N. Witt, U. P. Vijh and K. D. Gordon
American Astronomical Society Meeting #203; Jan. 2004 id.#110.17 (Session 110-17)
Bulletin of the American Astronomical Society, Vol. 35, p. 1381
http://adsabs.harvard.edu/abs/2003AAS...20311017W
http://aas.org/archives/BAAS/v35n5/aas203/S1100.htm
http://aas.org/archives/BAAS/v35n5/aas203/189.htm
(Stand Dez. 2015)

b) Astronomy & Astrophysics 2006, #446, p. 537 - 549
Giacomo Mulas, Giuliano Malloci, Christine Joblin and Dominique Toublanc
"Estimated IR and phosphorescence emission fluxes for specific polycyclic aromatic hydrocarbons in the Red Rectangle"
DOI: 10.1051/0004-6361:20053738

[091] Astrophysical Journal 2005, #632-1, p. 316 - 332 (kostenfrei zugänglich)
Douglas M. Hudgins, Charles W. Bauschlicher (Jr.) and Louis J. Allamandola
"Variations in the Peak Position of the 6.2 µm Interstellar Emission Feature: A Tracer of N in the Interstellar Polycyclic Aromatic Hydrocarbon Population"
DOI: 10.1086/432495

[092] a) http://www.astrochemistry.org/pahdb/
(Stand Dez. 2015)

b) The Astrophysical Journal Supplement Series 2014, #211-1, article 8 (12 pages) (kostenfrei zugänglich)
Christiaan Boersma, Charles W. Bauschlicher (Jr.), Alessandra Ricca, Andrew L. Mattioda, J. Cami, E. Peeters, F. Sánchez de Armas, G. Puerta Saborido, D. M. Hudgins and Louis J. Allamandola
"The NASA Ames PAH IR Spectroscopic Database Version 2.00: Updated Content, Website And On(Off)line Tools"
DOI: 10.1088/0067-0049/211/1/8

[093] Astrophysics - Instrumentation and Methods for Astrophysics 2014 (kostenfrei zugänglich)
arXiv:1411.7230 [astro-ph.IM]
Junfeng Zhen, Pablo Castellanos, Daniel M. Paardekooper, Harold Linnartz and Alexander G. G. M. Tielens
"Laboratory formation of fullerenes from PAHs: Top-down interstellar chemistry"
DOI: 10.1088/2041-8205/797/2/L30

[094] a) http://www.iaa.es/content/pahs-titans-upper-atmosphere
(Stand Dez. 2015)

b) The Astrophysical Journal 2013, #770-2, p. 132 (8 pages)
Manuel López-Puertas, B. M. Dinelli, A. Adriani, B. Funke, M. García-Comas, M. L. Moriconi, E. D'Aversa, Christiaan Boersma and L. J. Allamandola
"Large Abundances Of Polycyclic Aromatic Hydrocarbons In Titan's Upper Atmosphere"
DOI: 10.1088/0004-637X/770/2/132

[095] a) Nature 1990, #343-6260, p. 728 - 731
Everett L. Shock & Mitchell D. Schulte
"Amino-acid synthesis in carbonaceous meteorites by aqueous alteration of polycyclic aromatic hydrocarbons"
DOI: 10.1038/343728a0

b) Alessandra Ricca
http://www.seti.org/seti-institute/project/formation-and-detection-biogenic-aromatics-dense-molecular-clouds-around
(Stand Dez. 2015)

c) http://www.nasa.gov/content/nasa-ames-reproduces-the-building-blocks-of-life-in-laboratory
(Stand Dez. 2015)

[096] http://www.spitzer.caltech.edu/images/3230-sig10-013-Bright-Lights-Green-City
https://en.wikipedia.org/wiki/File:Polycyclic_Aromatic_Hydrocarbons_In_Space.jpg
von der NASA unter PD-Lizenz freigegeben
und Bild HD44179 "Red Rectangle" von Judy Schmidt unter CC-BY v2

[097] Wolfgang Kaim and Brigitte Schwederski
"Bioanorganische Chemie (Zur Funktion chemischer Elemente in Lebensprozessen)"
Vieweg + Teubner Verlag, 3. Aufl., 2004
ISBN-13: 978-3519235057

[098] Justus von Liebig, Philipp Lorenz Geiger
"Handbuch der organischen Chemie mit Rücksicht auf Pharmacie"
Heidelberg 1843
S. 712 Idrialin

[099] Chem. Geol. 1975, #16-4, p. 245 - 256
Max Blumer
"Curtisite, idrialite and pendletonite, polycyclic aromatic hydrocarbon minerals: Their composition and origin"
DOI: 10.1016/0009-2541(75)90064-9

[100] https://en.wikipedia.org/wiki/Idrialite
(Stand Okt. 2015)

[101] Spectrochimica Acta *A* 2007, #68-4, p. 1065 - 1069
Otakar Frank, Jan Jehlička and Howell G. M. Edwards
"Raman spectroscopy as tool for the characterization of thio-polyaromatic hydrocarbons in organic minerals"
DOI: 10.1016/j.saa.2006.12.033

[102] Die Quellen verweisen auf Strukturmessungen von Anthrachinon; bzw. geben Anthrachinon als Zusammensetzung an.

http://rruff.geo.arizona.edu/AMS/result.php?mineral=Hoelite
http://webmineral.com/data/Hoelite.shtml
http://www.mindat.org/min-1915.html
(Stand Okt. 2015)

[103] Mineralogicheskii Sbornik (Lvov) 1955, #9, p. 120 - 127 (*via* Subito)
Г. Л. Пиотровский
(G. L. Piotrovskii)
"Карпатит - новый органический минерал из закарпатья"
("Karpatite (Carpathite) a new organic mineral from Transcarpathia")
Das Mineral wird hier beschrieben, elementaranalytisch untersucht (C/H/O 33 : 17 : 1; damit C : H etwa 2 : 1 - vgl. Coronen $C_{24}H_{12}$) und ein Schmelzpunkt von ~ 430 °C angegeben (Coronen etwa 440 °C). Aufgrund der Herkunft des Minerals schlägt Piotrovskii den Namen Karpathit vor.

[104] Mineralogicheskii Sbornik (Lvov) 1967, #21-3, p. 275 - 278 (*via* Subito)
В. А. Франк-Каменецкий, С. К. Филатов и Я. Л. Гиллер
(W. A. Frank-Kamenetskii, S. K. Filatov and Y. L. Giller)
"8. On crystalline structure and chemical formula of Carpathite"
auch als eine Art Abstract erschienen in
American Mineralogist 1969, #54_1-2, p. 326 - 330 (kostenfrei zugänglich); (Karpathit S. 329)
Michael Fleischer
"New Mineral Names"
http://www.minsocam.org/msa/collectors_corner/amtoc/toc1969.htm
http://www.minsocam.org/ammin/AM54/AM54_326.pdf
(Stand Okt. 2015)

[105] http://www.mindat.org/min-2269.html
http://webmineral.com/data/Kratochvilite.shtml
http://rruff.geo.arizona.edu/AMS/result.php?mineral=Kratochvilite
(Stand Okt. 2015)
Meist wird hier die Untersuchung eines Fluorenkristalls zitiert; in der Schrift finden sich jedoch keine Hinweise darauf, daß es sich dabei um Kratochvilit handelte (sondern um eine kommerzielle Probe von Fluoren).
Vermutlich hat man hier mit der Fluorenstruktur verglichen:
Acta Cryst. C 1984, #C40-11, p. 1892 - 1894
Roger E. Gerkin, Alan P. Lundstedt and William J. Reppart
"Structure of fluorene, $C_{13}H_{10}$, at 159 K"
DOI: 10.1107/S0108270184009963

[106] a) https://en.wikipedia.org/wiki/Simonellite
(Stand Okt. 2015)

b) American Mineralogist 1970, #55_9-10, p. 1810 - 1818 (Simonellit S. 1818, kostenfrei zugänglich)
kein Autor angegeben
"New Mineral Names"
http://www.minsocam.org/msa/collectors_corner/amtoc/toc1970.htm
http://www.minsocam.org/ammin/AM55/AM55_1810.pdf
sowie
http://webmineral.com/data/Simonellite.shtml
(Stand Okt. 2015)
Hier findet sich jeweils auch ein Verweis auf die Originalquelle für die Struktur [106] c).

c) Atti della Accademia Nazionale dei Lincei 1969, #47, p. 41 - 54 (*via* Subito)
E. Foresti and L. Riva di Sanseverino
"The X-ray crystal and molecular structure of an organic mineral: Simonellite, $C_{19}H_{24}$"

[107] a) https://de.wikipedia.org/wiki/Abelsonit
(Stand Okt. 2015)

b) Amc. Mineral. 1978, #63_9-10, p. 930 - 937 (kostenfrei zugänglich)
Charles Milton, Edward J. Dwornik, Patricia A. Estep-Barnes, Robert B. Finkelman, Adolf Pabst and Susan Palmer
"Abelsonite, nickel porphyrin, a new mineral from the Green River Formation, Utah"
http://www.minsocam.org/msa/collectors_corner/amtoc/toc1978.htm
http://www.minsocam.org/ammin/AM63/AM63_930.pdf
(Stand Okt. 2015)

c) Science 1984, #223-4640, p. 1075 - 1076
Carlyle B. Storm, Jostein Krane, Tore Skjetne, Nils Telnaes, Jan F. Branthaver and Earl W. Baker
"The Structure of Abelsonite"
DOI: 10.1126/science.223.4640.1075
(Erratum http://www.sciencemag.org/content/224/4644/6.3)

[108] a) Eur. J. Mineral. 1993, #5-4, p. 699 - 705 (Subito)
Lutz Nasdala and Igor V. Pekov
"Ravatite, C14H10, a new organic mineral species from Ravat, Tadzhikistan"
DOI: n.v. http://eurjmin.geoscienceworld.org/content/5/4/699.short

b) American Mineralogist 1994, #79, p. 387 - 391 (kostenfrei zugänglich, Juli 2015)
John L. Jambor and Edward S. Grew
"New Mineral Names"
http://www.minsocam.org/msa/collectors_corner/amtoc/toc1994.htm
http://www.minsocam.org/ammin/AM79/AM79_387.pdf

c) http://rruff.geo.arizona.edu/AMS/result.php?mineral=Ravatite
(Stand Okt. 2015)
und
http://webmineral.com/data/Ravatite.shtml
(Stand Okt. 2015)

[109] http://www.americangilsonite.com/index.php?id=6
http://www.gilsonite-roads.com/de/was-ist-gilsonite.html
(http://www.gilsonite-roads.com/en/was-ist-gilsonite.html (Schreibweise tatsächlich deutsch))
(Stand Okt. 2015)

[110] a) Chemical Geology 1979, #26_1-2, p. 165 - 182
Ganjavar Khavari-Khorasani and Duncan G. Murchison
"The nature of Karelian shungite"
DOI: 10.1016/0009-2541(79)90037-8

b) Carbon 1995, #33-2, p. 237 - 239 (*via* Subito)
Dieter Heymann
"Search for ancient fullerenes in anthraxolite, shungite, and thucolite"
DOI: 10.1016/0008-6223(95)92804-N

c) Carbon 1995, #33-6, p. 862 - 863 (*via* Subito)
Y. Gu, M. A. Wilson, K. J. Fisher, I. G. Dance, G. D. Willett, D. Ren and Idea B. Volkova
"Fullerenes and shungite"
DOI: 10.1016/0008-6223(95)99784-R

[111] Ann. Phy. 1817, #55-2, p. 121 - 164
Karl Gustav Fiedler
"Ueber die Blitzröhren und ihre Entstehung"
DOI: 10.1002/andp.18170550202

[112] Science 1993, #259-5101, p. 1599 - 1601
Terry K. Daly, Peter R. Buseck, Peter Williams and Charles F. Lewis
"Fullerenes from a Fulgurite"
DOI: 10.1126/science.259.5101.1599

[113] IJSEM 2005, #55-5, p. 2033 - 2037
Kae Kyoung Kwon, Hee-Soon Lee, Sung Hyun Yang and Sang-Jin Kim
"Kordiimonas gwangyangensis gen. nov., sp. nov., a marine bacterium isolated from marine sediments that forms a distinct phyletic lineage (Kordiimonadales ord. nov.) in the 'Alphaproteobacteria'"
DOI: 10.1099/ijs.0.63684-0

[114] Chem. Soc. Rev. 2013, #42, p. 9333 - 9391 (freiheitlich zugänglich, CC-BY)
Ian J. Keyte, Roy M. Harrison and Gerhard Lammel
"Chemical reactivity and long-range transport potential of polycyclic aromatic hydrocarbons - a review"
DOI: 10.1039/C3CS60147A

[115] Pure Appl. Chem. 1998, #70-1 p. 143 - 216
G. P. Moss
"Nomenclature of fused and bridged fused ring systems (IUPAC Recommendations 1998)"
DOI: 10.1351/pac199870010143
http://www.iupac.org/publications/pac/70/1/0143/

[116] IUPAC draft Nomenclature of Organic Chemistry, March 31, 2005
draft ab S. 172 - 182 und ff. für Heterocyclen, Zeichenhinweise und dgl. mehr
http://www.iupac.org/home/publications/provisional-recommendations/published/published-container/nomenclature-of-organic-chemistry.html
(Juli 2015)

[117] Env. Health Persp. 1996, #104-11, p. 1166 - 1170; Tabelle S. 1168 (kostenfrei zugänglich)
Giuseppe Mastrangelo, Emanuela Fadda and Vita Marzia1
"Polycyclic Aromatic Hydrocarbons and Cancer in Man"
PMCID: PMC1469515

[118] British Journal of Industrial Medicine 1983, #40-4, p. 390 - 401
H. A. Waldron
"A brief history of scrotal cancer"

[119] Sir James Earle (FRS), (surgeon extraodinary to the king)
"Chirurgical Works of Percivall Pott, F. R. S.", Volume 2
1819, publ. by James Webster, Philadelphia
ab S. 291, Zitat von S. 293, Anmerkungen unten
Das Werk ist online hier einsehbar (Stand März 2015)
https://archive.org/details/chirurgicalworks02pott

[120] J. Cancer Res. 3 1918, #1 (Jan. - April), p. 1 - 29
Katsusaburō Yamagiwa and Kōichi Ichikawa
"Experimental Study of the Pathogenesis of Carcinoma"
(Experimentelle Studie ueber die Pathogenese der Epithelialgeschwuelste, teils als ~geschwuerste zu finden)

[121] CA: A Cancer Journal for Clinicians 1977, #27-3, p. 174 - 181
Aus der Reihe "Classics in Oncology" in gekürzter Form
Katsusaburō Yamagiwa and Kōichi Ichikawa
"Experimental Study of the Pathogenesis of Carcinoma"

[122] https://www.youtube.com/watch?v=kpMXvt6UH-o
"The Nobel Prize That Wasn't - The World's First Artificial Cancer - Hokkaido University"
(Stand Juli 2015)

[123] Kōichi Ichikawa
http://www.nobelprize.org/nomination/archive/show_people.php?id=4436
Katsusaburō Yamagiwa
http://www.nobelprize.org/nomination/archive/show_people.php?id=10342

[124] a) Z. phys. Chem. 1939, #42, p. 83 - 110 (*via* Subito)
Otto Schmidt
"Die Charakterisierung der einfachen und Krebs erzeugenden aromatischen Kohlenwasserstoffe durch die Dichteverteilung bestimmter Valenzelektronen (B-Elektronen). (Zweite Mitteilung über Dichteverteilungen der B-Elektronen)."
Otto Schmidt verweist dort (S. 99) u.a. auf die Arbeiten von Kennaway, Cook und Fieser, die sich bereits mit konkreten Bezügen zwischen (PAK-)Substanz und Krebsentstehung befassen. Der Bericht von Cook gibt einen guten Einblick in den damaligen Stand der Versuche zur Erforschung der Ursachen und Zusammenhänge.

b) BMJ 1930 #1 (June), p. 1044 - 1046
Ernest Laurence Kennaway and Izrael Hieger
"Carcinogenic Substances And Their Fluorescence Spectra"
DOI: 10.1136/bmj.1.3622.1044

c) Act. Internat. Union Against Canc. 1937, #2, p. 101 - 135 (*via* Subito)
Ernest Laurence Kennaway and Nina Marion Kennaway [*]
International Union against Cancer / Acta - Unio Internationalis Contra Cancrum
(superseded by: International Journal of Cancer)

[*] Namen via Biogr. Mems Fell. R. Soc. 1958, #4 p. 138 - 154
J. W. Cook
"Ernest Laurence Kennaway. 1881-1958"
DOI: 10.1098/rsbm.1958.0013
Published 1 November 1958

d) Chem. Ber. (Ber. dt. chem. Ges. A) 1936, #69-3, p. A38 - A49
J. W. Cook
"Chemische Beiträge zum Krebs-Problem"
DOI: 10.1002/cber.19360690338

e) Amer. J. Canc. 1938, #34-1 (Sept.), p. 37 - 124
Louis Frederick Fieser
"Carcinogenic Activity, Structure, and Chemical Reactivity of Polynuclear Aromatic Hydrocarbons"
DOI: 10.1158/ajc.1938.37

[125] Die Naturwissenschaften 1941, #29-10, p. 146 - 150
Otto Schmidt
"Charakterisierung und Mechanismen der Krebs erzeugenden Kohlenwasserstoffe."
DOI: 10.1007/BF01486238
http://link.springer.com/article/10.1007/BF01486238

[126] "Cancerisation par les substances chimiques et structure moleculaire" (Chemical Carcinogens and Their Molecular Structure)
Das Buch selbst lag mir nicht vor, allerdings finden sich einige reviews dazu in Fachzeitschriften.

a) Angew. 1956, #68_17-18, p. 598
H. Oettel
""Cancérisation par les Substances Chimiques et Structure Moléculaire", von A. u. B. Pullman. Verlag Masson et Cie., Paris. 1955. 1. Aufl. 306 S., 50 Abb. …"
(Buchrezension)
DOI: 10.1002/ange.19560681743

b) Cancer 1956, #9-5, p. 1071
M. Rosoff
"Pullman, Alberte, & Pullman, Bernard: Cancerisation par les substances chimiques et structure moléculaire. [Chemical carcinogens and their molecular structure.] …"
(Buchrezension)
DOI: 10.1002/1097-0142(195609/10)9:5<1071::AID-CNCR2820090533>3.0.CO;2-T

[127] International Journal of Quantum Chemistry 1979, #16-3, p. 669 - 689
Bernard Pullman
"Recent developments on the mechanism of chemical carcinogenesis by aromatic hydrocarbons"
DOI: 10.1002/qua.560160321

[128] Adv. Canc. Res. 1955, #3, p. 117 - 169 (Subito)
Alberte Pullman and Bernard Pullman
"Electronic Structure and Carcinogenic Activity of Aromatic Molecules New Developments"
DOI: 10.1016/S0065-230X(08)60919-7
ISBN: 978-0-12-006603-2

[129] Pascaline Daudel (geb. Salzedo)
Radiochemikerin, Krebsforschung
https://www.whoswho.fr/decede/biographie-raymond-daudel_7579
http://www.springer.com/de/book/9781402054594
siehe Abschnitt Obituary

[130] International Journal of Quantum Chemistry 1977, #12-S4, p. 169 - 177
(Supplement: Proceedings of the International Symposium on Quantum Biology and Quantum Pharmacology)
Raymond Daudel
"Recent progress in chemical carcinogenesis"
DOI: 10.1002/qua.560120718

[131] Raymond Daudel
Polycyclic Hydrocarbons and Cancer, Vol. 2, p. 37 - 41

"Recent Work of Pascaline Daudel"
Acad. Press, New York 1978

[132] Cancer Research 1972, #32-12, p. 2856A - 2856D
Joseph C. Arcos
"In Memory of Nguyen Phuc Buu-Hoi: 1915-1972"
Nachruf auf Prinz Nguyễn Phúc Bửu Hội; PMID: 4566291

[134] Interview mit Raymond Daudel
http://www.quantum-chemistry-history.com/Daudel1.htm
Interview mit Alberte Pullman
http://www.quantum-chemistry-history.com/Pull1.htm
Eine Übersicht zu einigen der benannten Chemiker (Mitglieder der International Academy of Quantum Molecular Science) finden sich hier:
Alberte Pullman
http://www.iaqms.org/deceased/pullmana.php
Bernard Pullman
http://www.iaqms.org/deceased/pullmanb.php
Raymond Daudel
http://www.iaqms.org/deceased/daudel.php
Jaroslav Koutecký
http://www.iaqms.org/deceased/koutecky.php
(Stand August 2015)

[135] British Journal of Cancer 1962, #16-2, p. 347 - 360
Eric Boyland and B. Green
"The Interaction of Polycyclic Hydrocarbons and Purines"
DOI: 10.1038/bjc.1962.40

[136] BJC 1957, #11-2, p. 212 - 228.3
M. J. Allen, E. Boyland, C. E. Dukes, E. S. Horning and J. G. Watson
"Cancer of the Urinary Bladder Induced in Mice with Metabolites of Aromatic Amines and Tryptophan"
PMCID: PMC2073743

[137] http://www.theguardian.com/news/2002/jun/18/guardianobituaries.obituaries
(Stand August 2015)

[138] Cancer Res. 1961, #21-4, p. 457 - 462
Jaroslav Koutecký and R. Zahradník
"On the Problem of the Connection between the Electronic Structure of Polynuclear Aromatic Hydrocarbons and Their Carcinogenic Effect"
DOI: n.v.

[139] a) Biochemistry 1970, #9-1, p. 147 - 156
Donald M. Jerina, John W. Daly, Bernhard Witkop, P. Zaltzman-Nirenberg and S. Udenfriend
"1,2-Naphthalene oxide as an intermediate in the microsomal hydroxylation of naphthalene"
DOI: 10.1021/bi00803a019

b) Nature 1974, #252-5481, p. 326 - 328
P. Sims, P. L. Grover, A. Swaisland, K. Pal and A. Hewer
"Metabolic activation of benzo(a)pyrene proceeds by a diol-epoxide"
DOI: 10.1038/252326a0

[140] Raymond Daudel in Harry Victor Gelboin; Paul On Pong Ts'o [Hrsg.] (*via* Subito)
"Polycyclic Hydrocarbons and Cancer"
1978, Volume 2, New York, p. 37 - 41
"Recent work of Pascaline Daudel"

[141] a) U.S. Environmental Protection Agency
EPA on Polycyclic organic matter (POM)
http://www.epa.gov/ttnatw01/hlthef/polycycl.html
und
http://www.epa.gov/osw/hazard/wastemin/minimize/factshts/pahs.pdf
Kurzbroschüre von 2008 (Download geprüft: Juli 2015)

b) und zur Ölkatastrophe im Golf von Mexico
http://www.epa.gov/bpspill/pahs.html
(Stand Juli 2015)

[142] http://www.reach-info.de/
und http://echa.europa.eu/de/regulations/reach
(Stand Juli 2015)

[143] Umweltbundesamt (Hauptsitz 06844 Dessau-Roßlau, Wörlitzer Platz 1)
http://www.umweltbundesamt.de/sites/default/files/medien/publikation/long/4372.pdf (Deutsch)
http://www.umweltbundesamt.de/sites/default/files/medien/publikation/long/4395.pdf (English)
(Stand Juli 2015)

[144] "Polycyclische aromatische Kohlenwasserstoffe - Forschungsbericht"
Jürgen Jacob und Helmut Greim (Hrsg.); Mitarbeiter: Jürgen Angerer, Hans-Ruedi Glatt, Andreas Luch, Karl-Heinz Norpoth, Bernd Roßbach, Rudolf Schwabe, Albrecht Seidel
DFG / Wiley VCH 2004
ISBN 3-527-27771-4

[145] J. Mol. Struct. (Theochem) 1988 (1987?), #179, p. 49 - 81
John P. Lowe and B. D. Silverman
"Carcinogenicity of polycyclic aromatic hydrocarbons: A dialogue"
Der Artikel scheint online beim eigentlichen Magazin nicht verfügbar, kann aber hier bezogen werden:
http://www.sciencedirect.com/science/article/pii/0166128088801131 (Stand Juli 2015)
DOI: 10.1016/0166-1280(88)80113-1

[146] a) Carcinogenesis, Vol. 3: Polynudear Aromatic Hydrocarbons (*via* Subito)
Editors: Jones and Freudenthal
p. 231 - 241
R. E. Lehr, H. Yagi, D. R. Thakker, W. Levin, A. W. Wood, A. H. Conney and D. M. Jerina
"The bay region theory of polycyclic aromatic hydrocarbon-induced carcinogenity"
Raven Press, NY 1978

b) Carcinogenesis: Fundamental Mechanisms and Environmental Effects (*via* Subito)
The Jerusalem Symposia on Quantum Chemistry and Biochemistry 1980, Volume 13, p. 1 - 12
D. M. Jerina, J. M. Sayer, D. R. Thakker, H. Yagi, W. Levin, A. W. Wood, A. H. Conney
"Carcinogenicity of Polycyclic Aromatic Hydrocarbons: The Bay-Region Theory"
Print ISBN: 978-94-009-9106-4
DOI: 10.1007/978-94-009-9104-0_1

[147] Carcinogenesis 2011, #32-9, p. 1403
Allan H. Conney
"Donald M. Jerina (1940 - 2011)"
DOI: 10.1093/carcin/bgr185

[148] Carcinogenesis 1985, #6-1, p. 1 - 6
Lei-Sheng Yan
"Study of the carcinogenic mechanism for polycyclic aromatic hydrocarbons - extended bay region theory and its quantitative model"
DOI: 10.1093/carcin/6.1.1

[149] Cancer Res. 1954, #14-7, p. 471 - 477 (kostenfrei zugänglich, relativ medizinische Schrift)
I. Berenblum
"A Speculative Review: The Probable Nature of Promoting Action and its Significance in the Understanding of the Mechanism of Carcinogenesis"
http://cancerres.aacrjournals.org/content/14/7.toc

[150] K. P. C. Vollhardt and N. E. Schore
"Organische Chemie", S. 767
Wiley VCH, 3. Auflage 2000
ISBN 3-527-29819-3

[151] https://de.wikipedia.org/wiki/Pyranin
(Stand Okt. 2015)
und

Nachrichtenblatt des dt. Pflanzenschutzdienstes 2006, #58-3, p. 79 - 85
Andreas Herbst and Hans-Jürgen Wygoda
"Pyranin - ein fluoreszierender Farbstoff für applikationstechnische Versuche"

[152] http://www.baua.de/de/Themen-von-A-Z/Gefahrstoffe/TRGS/TRGS-900.html
(Stand Dez. 2015)

[153] Angew. 2015, #127-37, p. 10834 - 10835
Susumu Kitagawa
"Poröse Materialien und das Gaszeitalter" (Editorial)
DOI: 10.1002/ange.201503835
ACIE 2015, #54-37, p.10686 - 10687
Susumu Kitagawa
"Porous Materials and the Age of Gas" (Editorial)
DOI: 10.1002/anie.201503835

[154] Pure Appl. Chem. 1985, #57-3, p. 603 - 619
K. S. W. Sing, D. H. Everett, R. A. W. Haul, L. Moscou, R. A. Pierotti, J. Rouquerol and T. Siemieniewska
"Reporting physisorption data for gas/solid systems with special reference to the determination of surface area and porosity"
DOI: 10.1351/pac198557040603

[155] Pure and Applied Chemistry 1994, #66-8, p. 1739 - 1758
J. Rouquerol, D. Avnir, C. W. Fairbridge, D. H. Everett, J. M. Haynes, N. Pernicone, J. D. F. Ramsay, K. S. W. Sing and K. K. Unger
"Recommendations for the characterization of porous solids (Technical Report)"
DOI: 10.1351/pac199466081739

[156] http://www.engineersedge.com/materials/activated_carbon.htm
(Stand Okt. 2015)

[157] Labor & more 2012, #7, p. 20 - 25
Dirk Enke und Björn Reinhardt
"Poröse Gläser"
ISSN 1866-5217
bzw. http://www.laborundmore.com/archive/743472/Poroese-Glaeser.html (Stand Juli 2015)

[158] Journal of Chromatography A 1968, #35, p. 489 - 496
F. Wolf and W. Heyer
Modifizierte poröse gläser als träger in der gaschromatographie
DOI: 10.1016/S0021-9673(01)82414-6

[159] Angew. 1994, #106-4, p. 389 - 398
Ralf Hoss and Fritz Vögtle
"Templatsynthesen"
DOI: 10.1002/ange.19941060404
ACIE 1994, #33-4
Ralf Hoss and Fritz Vögtle
"Template Syntheses"
DOI: 10.1002/anie.199403751

[160] Angew. 2008, #120-3, p. 456 - 458
Christoph Weder
"Mikroporöse Polymere mit einstellbarer Porengröße"
DOI: 10.1002/ange.200704697
ACIE 2008, #47-3, p. 448 - 450
Christoph Weder
"Hole Control in Microporous Polymers"
DOI: 10.1002/anie.200704697

[161] Kungl. Svenska Vetenskaps Akademiens Handlingar 1756, #17 (XVII), p. 120 - 123
(Königlich Schwedische Wissenschafts-Akademie, Abhandlungen; je nach Zeitraum der Erstellung unterschiedliche Schreibweisen)
Axel Frederic Cronstedt
"Om en obekant baerg art, som kallas Zeolites"

http://centrumdb.kva.se/kvah/search.html
http://www.archive.org/download/swenskawetensk1171756horr/swenskawetensk1171756horr.pdf
(Stand Juni 2015)

[162] American Mineralogist 1954, #39, p. 92 - 96 (kostenfrei zugänglich)
Walter Löwenstein (Loewenstein)
"The distribution of aluminum in the tetrahedra of silicates and aluminates"
http://www.minsocam.org/msa/collectors_corner/amtoc/toc1954.htm
bzw. http://www.minsocam.org/ammin/AM39/AM39_92.pdf

[163] Fakultät für Mathematik, Informatik und Naturwissenschaften der Rheinisch-Westfälischen Technischen Hochschule Aachen
Dissertationsschrift, 2005; Tabelle S. 30 histor. Entwicklung
Jairo Antonio Cubillos Lobo
"Heterogeneous asymmetric epoxidation of cis-ethyl cinnamte over Jacobsen's catalyst immobilized in inorganic porous materials"

[164] Angew. 2003, #115-31, p. 3730 - 3750
Ferdi Schüth
"Endo- und Exotemplate zur Erzeugung von anorganischen Materialien mit großer spezifischer Oberfläche"
DOI: 10.1002/ange.200300593
ACIE 2003, #42-31, p. 3604 - 3622
Ferdi Schüth
"Endo- and Exotemplating to Create High-Surface-Area Inorganic Materials"
DOI: 10.1002/anie.200300593

[165] J. Phys. Chem. 1987, #91-6, p. 1469 - 1475
J. L. Tallon and R. G. Buckley
"Thermal decomposition of the zeolite catalyst ZSM-5"
DOI: 10.1021/j100290a038

[166] Bull. Acad. Sci. Russ. Chem. 1969, #18-3, p. 465 - 470
Yu. S. Khodakov, I. D. Mikheikin, V. S. Nakhshunov, V. A. Shvets, V. B. Kazanskii and Kh. M. Minachev
"Investigation of the structure and thermal stability of zeolites of types A, X, and Y, containing trivalent chromium"
(Translated from Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya, No.3, pp. 523 - 529, March, 1969.)
DOI: 10.1007/BF00906959

[167] Res. Chem. Interm. 2015, #41-2, p. 575 - 582 (*via* Subito)
Nicholas M. Musyoka, Leslie F. Petrik, Eric Hums, Andreas Kuhnt and Wilhelm Schwieger
"Thermal stability studies of zeolites A and X synthesized from South African coal fly ash"
DOI: 10.1007/s11164-013-1211-3

[168] ChiuZ 1986, #20-4, p. 117 - 127
Lothar Puppe
"Zeolithe - Eigenschaften und technische Anwendungen"
DOI: 10.1002/ciuz.19860200404

[169] Acc. Rem. Res. 2010, #43-1, p. 58 - 67 (+Supp)
Anh Phan, Christian J. Doonan, Fernando J. Uribe-Romo, Carolyn B. Knobler, Michael O'Keeffe and Omar M. Yaghi
"Synthesis, Structure, and Carbon Dioxide Capture Properties of Zeolitic Imidazolate Frameworks"
DOI: 10.1021/ar900116g

[170] Chem. Rev. 2012, #112-2, p. 1001 - 1033
Jie-Peng Zhang, Yue-Biao Zhang, Jian-Bin Lin and Xiao-Ming Chen
"Metal Azolate Frameworks: From Crystal Engineering to Functional Materials"
DOI: 10.1021/cr200139g

[171] Can. J. Chem. 1999, #77-4, 425 - 433 (*via* Subito)
Steven J Rettig, Alan Storr, David A Summers, Robert C Thompson and James Trotter
"Iron(II) 2-methylimidazolate and copper(II) 1,2,4-triazolate complexes: systems exhibiting long-range ferromagnetic ordering at low temperatures"
DOI: 10.1139/v99-063

[172] ACIE 2002, #41-8, 1384 - 1386
Yun-Qi Tian, Chen-Xin Cai, Yong Ji, Xiao-Zeng You, Shie-Ming Peng and Gene-Hsiang Lee
"[$Co_5(im)_{10}\cdot 2$ MB]$_\infty$: A Metal-Organic Open-Framework with Zeolite-Like Topology"
DOI: 10.1002/1521-3773(20020415)41:8<1384::AID-ANIE1384>3.0.CO;2-6
(Angew. 2002, #114-8, p. 1442 - 1444; dito, dito; DOI: 10.1002/1521-3757(20020415)114:8<1442::AID-ANGE1442>3.0.CO;2-4)

[173] PNAS (Proc. Natl. Acad. Sci. U.S.A.) 2006, #103-27 (July), p. 10186 - 10191
Kyo Sung Park, Zheng Ni, Adrien P. Côté, Jae Yong Choi, Rudan Huang, Fernando J. Uribe-Romo, Hee K. Chae, Michael O'Keeffe and Omar M. Yaghi
"Exceptional chemical and thermal stability of zeolitic imidazolate frameworks"
DOI: 10.1073/pnas.0602439103

[174] JACS 2010, #132-1, p. 76 - 78 (+Supp)
Surendar R. Venna and Moises A. Carreon
"Highly Permeable Zeolite Imidazolate Framework-8 Membranes for CO_2/CH_4 Separation"
DOI: 10.1021/ja909263x

[175] Science, 2005, #310-5751, p. 1166 - 1170
Adrien P. Côté, Annabelle I. Benin, Nathan W. Ockwig, Michael O'Keeffe, Adam J. Matzger and Omar M. Yaghi
"Porous, Crystalline, Covalent Organic Frameworks"
DOI: 10.1126/science.1120411

[176] ACIE 2008, #47-3, p. 445 - 447
Michael Mastalerz
"The Next Generation of Shape-Persistant Zeolite Analogues: Covalent Organic Frameworks"
DOI: 10.1002/anie.200703871
Angew. 2008, #120-3, p. 453 - 455
Michael Mastalerz
"Die nächste Generation formstabiler Zeolith-Analoga: kovalent gebundene organische Netzwerkverbindungen"
DOI: 10.1002/ange.200703871

[177] Angew. 2008. #120-18, p. 3499 - 3502
Pierre Kuhn, Markus Antonietti and Arne Thomas
"Ionothermalsynthese von porösen kovalenten Triazin-Polymernetzwerken"
DOI: 10.1002/ange.200705710
ACIE 2008, #47-18, p.3450 - 3453
Pierre Kuhn, Markus Antonietti and Arne Thomas
"Porous, Covalent Triazine-Based Frameworks Prepared by Ionothermal Synthesis"
DOI: 10.1002/anie.200705710

[178] Science 2007, #316-5822, p. 268 - 272
Hani M. El-Kaderi, Joseph R. Hunt, José L. Mendoza-Cortés, Adrien P. Côté, Robert E. Taylor, Michael O'Keeffe and Omar M. Yaghi
"Designed Synthesis of 3D Covalent Organic Frameworks"
DOI: 10.1126/science.1139915

[179] JACS 2006, #128-51, p. 16466 - 16467
Weijun Niu, Mark D. Smith and John J. Lavigne
"Self-Assembling Poly(dioxaborole)s as Blue-Emissive Materials"
DOI: 10.1021/ja065986c

[180] Chem. Comm. 2005, #34, p. 4342 - 4344
Weijun Niu, Caroline O'Sullivan, Brett M. Rambo, Mark D. Smith and John J. Lavigne
"Self-repairing polymers: poly(dioxaborolane)s containing trigonal planar boron"
DOI: 10.1039/B504634C

[181] Chem. Comm. 2004, #10, p. 1158 - 1159
Nicolas Christinat, Rosario Scopelliti and Kay Severin
"A new method for the synthesis of boronate macrocycles"
DOI: 10.1039/B402510E

[182] JOC 2007, #72-6, p. 2192 - 2200
Nicolas Christinat, Rosario Scopelliti and Kay Severin
"Multicomponent Assembly of Boron-Based Dendritic Nanostructures"
DOI: 10.1021/jo062607p

[183] ACIE 2007, #46-21, p. 3909 - 3911
Ming-Sheng Wang, Guo-Cong Guo, Wen-Tong Chen, Gang Xu, Wei-Wei Zhou, Ke-Jun Wu and Jin-Shun Huang
"A White-Light-Emitting Borate-Based Inorganic-Organic Hybrid Open Framework"
DOI: 10.1002/anie.200604946
(Angew. 2007, #119-21, p. 3983 - 3985; dito, dito; DOI: 10.1002/ange.200604946)

[184] Nano Lett. 2010, #10-2, p. 537 - 541
Carine E. Chan-Thaw, Alberto Villa, Phisan Katekomol, Dangsheng Su, Arne Thomas and Laura Prati
"Covalent Triazine Framework as Catalytic Support for Liquid Phase Reaction"
DOI: 10.1021/nl904082k

[185] Chem. Mater. 2013, #25-9, p. 1542 - 1548
Phisan Katekomol, Jérôme Roeser, Michael Bojdys, Jens Weber and Arne Thomas
"Covalent Triazine Frameworks Prepared from 1,3,5-Tricyanobenzene"
DOI: 10.1021/cm303751n

[186] Chem. Soc. Rev. 2011, #40, p. 789 - 800
Norihiro Mizoshita, Takao Tani and Shinji Inagaki
"Syntheses, properties and applications of periodic mesoporous organosilicas prepared from bridged organosilane precursors"
DOI: 10.1039/C0CS00010H

[187] JACS 2002, #124-46, p. 13886 - 13895
Masakatsu Kuroki, Tewodros Asefa, Wesley Whitnal, Michal Kruk, Chiaki Yoshina-Ishii, Mietek Jaroniec and Geoffrey A. Ozin
"Synthesis and Properties of 1,3,5-Benzene Periodic Mesoporous Organosilica (PMO): Novel Aromatic PMO with Three Point Attachments and Unique Thermal Transformations"
DOI: 10.1021/ja027877d

[188] J. Phys. Chem. B 2003, #107-46, p. 12628 - 12634
Mark C. Burleigh, Michael A. Markowitz, Shalini Jayasundera, Mark S. Spector, Chris W. Thomas and Bruce P. Gaber
"Mechanical and Hydrothermal Stabilities of Aged Periodic Mesoporous Organosilicas"
DOI: 10.1021/jp035189q

[189] J. Mater. Chem. 2005, #15, p. 3716 - 3724
William J. Hunks and Geoffrey A. Ozin
"Challenges and advances in the chemistry of periodic mesoporous organosilicas (PMOs)"
DOI: 10.1039/B504511H

[190] Chem. Soc. Rev. 2013, #42, p. 3913 - 3955
Pascal Van Der Voort, Dolores Esquivel, Els De Canck, Frederik Goethals, Isabel Van Driessche and Francisco J. Romero-Salguero
"Periodic Mesoporous Organosilicas: from simple to complex bridges; a comprehensive overview of functions, morphologies and applications"
DOI: 10.1039/C2CS35222B

[191] Die Universität Gent (Belgien) hält eine Übersicht zum Thema PMO bereit:
http://www.comoc.ugent.be/content/pmo-periodic-mesoporous-organosilicas
(Stand Juli 2015)

[192] J. Mater. Chem. 2009, #19, p. 8009 - 8014
Peiyuan Wang, Xiao Liu, Jie Yang, Yan Yang, Lei Zhang, Qihua Yang and Can Li
"Chirally functionalized mesoporous organosilicas with built-in BINAP ligand for asymmetric catalysis"
DOI: 10.1039/B913808K

[193] Chem. Mater. 2008, #20-13, p. 4495 - 4498
Yasutomo Goto, Norihiro Mizoshita, Osamu Ohtani, Tadashi Okada, Toyoshi Shimada, Takao Tani and Shinji Inagaki
"Synthesis of Mesoporous Aromatic Silica Thin Films and Their Optical Properties"
DOI: 10.1021/cm800492s

[194] Adv. Mater. 2009, #21-47, p. 4798 - 4801
Norihiro Mizoshita, Yasutomo Goto, Takao Tani and Shinji Inagaki
"Efficient Visible-Light Emission from Dye-Doped Mesostructured Organosilica"
DOI: 10.1002/adma.200901168

[195] Chem. Mater. 2010, #22-8, p. 2548 - 2554
Norihiro Mizoshita, Yasutomo Goto, Yoshifumi Maegawa, Takao Tani and Shinji Inagaki
"Tetraphenylpyrene-Bridged Periodic Mesostructured Organosilica Films with Efficient Visible-Light Emission"
DOI: 10.1021/cm9034787

[196] ACIE 2009, #48-22, p. 4042-4046
Shinji Inagaki, Osamu Ohtani, Yasutomo Goto, Kentaro Okamoto, Masamichi Ikai, Ken-ichi Yamanaka, Takao Tani and Tadashi Okada
"Light Harvesting by a Periodic Mesoporous Organosilica Chromophore"
DOI: 10.1002/anie.200900266

[197] Dalton Trans. 2010, #39, p. 4223 - 4231
Andrey B. Lysenko, Ganna A. Senchyk, Jörg Lincke, Daniel Lässig, Andrey A. Fokin, Ekaterina D. Butova, Peter R. Schreiner, Harald Krautscheid and Konstantin V. Domasevitch
"Metal oxide-organic frameworks (MOOFs), a new series of coordination hybrids constructed from molybdenum(VI) oxide and bitopic 1,2,4-triazole linkers"
DOI: 10.1039/B922732F

[198] In Lothar Puppes Review zu den Zeolithen findet sich ein Hinweis auf ein Werk von Walter Max Meier. Es gibt ein Werk der Herausgeber und Mitautoren W. M. Meier und J. B. Uytterhoeven "Molecular Sieves (Advances in Chemistry Series)"; Ausgabe von 1973, ISBN13: 9780841201804, DOI: 10.1021/ba-1973-0121
Möglicherweise bezieht sich Puppe auch auf einen Beitrag W. M. Meiers zur Internationalen Zeolith-Konferenz 1968.

[199] Pure and Applied Chemistry 2013, #85-8, p. 1715 - 1724 (kostenfrei zugänglich)
Stuart R. Batten, Neil R. Champness, Xiao-Ming Chen, Javier Garcia-Martinez, Susumu Kitagawa, Lars Öhrström, Michael O'Keeffe, Myunghyun Paik Suh and Jan Reedijk
"Terminology of metal-organic frameworks and coordination polymers (IUPAC Recommendations 2013)"
DOI: 10.1351/PAC-REC-12-11-20; http://www.iupac.org/publications/pac/85/8/1715/

[200] ACIE 2004, #43-18, p. 2334 - 2375 (kostenfrei zugänglich)
Susumu Kitagawa, Ryo Kitaura and Shin-ichiro Noro
"Functional Porous Coordination Polymers"
DOI: 10.1002/anie.200300610
Angew. 2004, #116-18, p. 2388 - 2430 (nicht kostenfrei zugänglich)
Susumu Kitagawa, Ryo Kitaura and Shin-ichiro Noro
"Funktionale poröse Koordinationspolymere"
DOI: 10.1002/ange.200300610

[201] JACS 1995, #117-41, p. 10401 - 10402
Omar. M. Yaghi and Hailian Li
"Hydrothermal Synthesis of a Metal-Organic Framework Containing Large Rectangular Channels"
DOI: 10.1021/ja00146a033

[202] JACS 1989, #111-15, p. 5962 - 5964
Bernard F. Hoskins and Richard Robson
"Infinite polymeric frameworks consisting of three dimensionally linked rod-like segments"
DOI: 10.1021/ja00197a079

[203] Dalton Trans. 2011, #40, p. 10311 - 10315
Neil R. Champness
"The future of metal-organic frameworks"
DOI: 10.1039/c1dt11184a

[204] a) Richard Robson
http://abrahams.chemistry.unimelb.edu.au/
b) Omar (Mwannes) Yaghi
http://yaghi.berkeley.edu/
c) Gérard Férey
http://www.gerard-ferey.org/
d) Wenbin Lin
https://newfaculty.uchicago.edu/page/wenbin-lin
e) Susumu Kitagawa
http://www.sbchem.kyoto-u.ac.jp/kitagawa-lab/index-e.html
f) Stuart Batten
http://www.monash.edu/science/schools/chemistry/academic/staff/sbatten
g) Michael O'Keeffe
http://chemistry.asu.edu/faculty/M_Okeeffe.asp
h) Randall "Randy" Q. Snurr
http://www.iec.northwestern.edu/
i) Joseph T. Hupp
http://chemgroups.northwestern.edu/hupp/
j) Omar K. Farha
http://faculty.wcas.northwestern.edu/omarfarha/index.html
k) Stefan Kaskel
http://www.chm.tu-dresden.de/ac1/index.shtml
l) Matthew (Jonathan) Rosseinsky, FRS
https://www.liv.ac.uk/chemistry/research/rosseinsky-group/
m) Mohamed Eddaoudi
https://fmd3.kaust.edu.sa/Pages/Home.aspx
http://chemistry.usf.edu/faculty/eddaoudi/
n) Hans-Jürgen Holdt; MOFs und ZIFs
http://www.chem.uni-potsdam.de/groups/anorganik/holdt.htm
http://www.chem.uni-potsdam.de/groups/anorganik/publikationen.htm
o) Wei Zhou
http://www.ncnr.nist.gov/staff/wzhou/index.html
p) Christoph Janiak
http://www.bioinorganic.hhu.de/
q) porous materials project der Univ. Oslo (UiO)
http://www.mn.uio.no/kjemi/english/research/projects/porous-materials/index.html
r) Peter Behrens
http://www.acb.uni-hannover.de/
http://www.acb.uni-hannover.de/behrens.html
s) Rhett Kempe
http://www.ac2.uni-bayreuth.de/catalyst-design.php
http://www.ac2.uni-bayreuth.de/research.php
(website nutzt referer check)
t) Hong-Cai Joe Zhou
https://www.chem.tamu.edu/rgroup/zhou/
(Schüler von F. A. Cotton)
u) Mircea Dincă
http://web.mit.edu/dincalab/index.html
v) Jing Li
http://rutchem.rutgers.edu/li-jing
(Stand für alle Aug. 2015)

[205] Chem. Soc. Rev. 2009, #38, p. 1257 - 1283
David J. Tranchemontagne, José L. Mendoza-Cortés, Michael O'Keeffe and Omar M. Yaghi
"Secondary building units, nets and bonding in the chemistry of metal-organic frameworks"
DOI 10.1039/b817735j

[206] JACS 2010, #132-32, p. 10978 - 10981
Steffen Hausdorf, Felix Baitalow, Tony Böhle, David Rafaja and Florian O. R. L. Mertens
"Main-Group and Transition-Element IRMOF Homologues"
DOI: 10.1021/ja1028777

[207] Inorg. Chem. 2008, #47-19, p. 8451 - 8463
Partha Mahata, Manikanda Prabu and Srinivasan Natarajan
"Role of Temperature and Time in the Formation of Infinite -M-O-M- Linkages and Isolated Clusters in MOFs: A Few Illustrative Examples"
DOI: 10.1021/ic800621q

[208] Chem. Soc. Rev. 2014, #43, p. 5896 - 5912 (freiheitlich zugänglich, CC-BY)
Pravas Deria, Joseph E. Mondloch, Olga Karagiaridi, Wojciech Bury, Joseph T. Hupp and Omar K. Farha
"Beyond post-synthesis modification: evolution of metal-organic frameworks via building block replacement"
DOI: 10.1039/C4CS00067F

[209] Chem. Soc. Rev. 2012, #41, p. 1088 - 1110
Filipe A. Almeida Paz, Jacek Klinowski, Sérgio M. F. Vilela, João P. C. Tomé, José A. S. Cavaleiro and João Rochaa
"Ligand design for functional metal-organic frameworks"
DOI: 10.1039/C1CS15055C

[210] Chem. Soc. Rev. 2014, #43, p. 5561 - 5593
Weigang Lu, Zhangwen Wei, Zhi-Yuan Gu, Tian-Fu Liu, Jinhee Park, Jihye Park, Jian Tian, Muwei Zhang, Qiang Zhang, Thomas Gentle III, Mathieu Bosch and Hong-Cai "Joe" Zhou
"Tuning the structure and function of metal-organic frameworks via linker design"
DOI: 10.1039/C4CS00003J

[211] Nat. Commun. 2013, #4 (Feb), art. 1538
Jian-Rong Li, Jiamei Yu, Weigang Lu, Lin-Bing Sun, Julian Sculley, Perla B. Balbuena and Hong-Cai Zhou
"Porous materials with pre-designed single-molecule traps for CO_2 selective adsorption"
DOI: 10.1038/ncomms2552

[212] Nachr. 2005, #53-4, p. 394 - 399 (*via* Subito)
Stefan Kaskel
"Poren aus dem Bauksten"
DOI: 10.1002/nadc.20050530407

[213] Science 2002, #295-5554, p. 469 - 472
Mohamed Eddaoudi, Jaheon Kim, Nathaniel Rosi, David Vodak, Joseph Wachter, Michael O'Keeffe and Omar M. Yaghi
"Systematic Design of Pore Size and Functionality in Isoreticular MOFs and Their Application in Methane Storage"
DOI: 10.1126/science.1067208

[214] Science, 2012, #336-6084, p. 1018 - 1023 (+Supp)
Hexiang Deng, Sergio Grunder, Kyle E. Cordova, Cory Valente, Hiroyasu Furukawa, Mohamad Hmadeh, Felipe Gándara, Adam C. Whalley, Zheng Liu, Shunsuke Asahina, Hiroyoshi Kazumori, Michael O'Keeffe, Osamu Terasaki, J. Fraser Stoddart and Omar M. Yaghi
"Large-Pore Apertures in a Series of Metal-Organic Frameworks"
DOI: 10.1126/science.1220131

[215] Adv. Mater. 2011, #23-2, p. 249 - 267
Scott T. Meek, Jeffery A. Greathouse and Mark D. Allendorf
"Metal-Organic Frameworks: A Rapidly Growing Class of Versatile Nanoporous Materials"
DOI: 10.1002/adma.201002854

[216] Eur. J. Inorg. Chem. 2009, #24, p. 3552 - 3561
Wolfgang Kleist, Fabian Jutz, Marek Maciejewski and Alfons Baiker
"Mixed-Linker Metal-Organic Frameworks as Catalysts for the Synthesis of Propylene Carbonate from Propylene Oxide and CO_2"
DOI: 10.1002/ejic.200900509

[217] ACIE 2004, #43-38, p. 5033 - 5036
Danil N. Dybtsev, Hyungphil Chun and Kimoon Kim
"Rigid and Flexible: A Highly Porous Metal-Organic Framework with Unusual Guest-Dependent Dynamic Behavior"
DOI: 10.1002/anie.200460712

[218] Adv. Funct. Mat. 2007, #17-8, p. 1255 - 1262
Jeong Yong Lee, David H. Olson, Long Pan, Thomas J. Emge, and Jing Li
"Microporous Metal-Organic Frameworks with High Gas Sorption and Separation Capacity"
DOI: 10.1002/adfm.200600944 (ted = DABCO)

[219] Dissertationsschrift von Ioana (Georgeta) Grosu
AK Hey-Hawkins / AK Silaghi-Dumitrescu
http://doctorat.ubbcluj.ro/sustinerea_publica/rezumate/2010/chimie/GROSU_GEORGETA_EN.pdf

[220] ACIE 2008, #47-4, p. 677 - 680 + Supp.
Kyoungmoo Koh, Antek G. Wong-Foy and Adam J. Matzger
"A Crystalline Mesoporous Coordination Copolymer with High Microporosity"
DOI: 10.1002/anie.200705020
(Angew. 2008, #120-4, p. 689 - 692; dito, dito; DOI: 10.1002/ange.200705020)

[221] Progress in Colloid and Polymer Science 1988, #77, 207 - 210 (*via* Subito)
Gunter Sperka
"Crystal Grwoth in Gels - a survey"
DOI: 10.1007/BFb0116785

[222] ZAAC 1983, #496-1, p. 24 - 28
H. D. Lutz, W. Buchmeier, W. Eckers and Bernward Engelen
"Zur Kenntnis der Sulfite des Strontiums, Bariums, Bleis, Cadmiums und Mangans. Darstellung von Einkristallen durch Gelkristallisation"
DOI: 10.1002/zaac.19834960103

[223] Materials Letters 2003, #57_13-14, p. 2066 - 2070
M. Ashok, N. Meenakshi Sundaram and S. Narayana Kalkura
"Crystallization of hydroxyapatite at physiological temperature"
DOI: 10.1016/S0167-577X(02)01140-0

[224] Chem. Mater. 2010, #22-18, p. 5216 - 5221
Maria Klimakow, Peter Klobes, Andreas F. Thünemann, Klaus Rademann and Franziska Emmerling
"Mechanochemical Synthesis of Metal-Organic Frameworks: A Fast and Facile Approach toward Quantitative Yields and High Specific Surface Areas"
DOI: 10.1021/cm1012119

[225] Inorg. Chem. 2009, #48-1, p. 296 - 306
Zhenqiang Wang, Kristine K. Tanabe and Seth M. Cohen
"Accessing Postsynthetic Modification in a Series of Metal-Organic Frameworks and the Influence of Framework Topology on Reactivity"
DOI: 10.1021/ic801837t

[226] Chem. Soc. Rev. 2009, #38, p. 1315 - 1329
Zhenqiang Wang and Seth M. Cohen
"Postsynthetic modification of metal-organic frameworks"
DOI: 10.1039/b802258p

[227] Chem. Soc. Rev. 2014, #43, p. 5933 - 5951
Jack D. Evans, Christopher J. Sumby and Christian J. Doonan
"Post-synthetic metalation of metal-organic frameworks"
DOI: 10.1039/C4CS00076E

[228] Inorg. Chem. 2008, #47-18, p. 7936 - 7938
Karen L. Mulfort and Joseph T. Hupp
"Alkali Metal Cation Effects on Hydrogen Uptake and Binding in Metal-Organic Frameworks"
DOI: 10.1021/ic800700h

[229] Chem. Sci. 2012, #3, p. 3256 - 3260
Olga Karagiaridi, Wojciech Bury, Amy A. Sarjeant, Charlotte L. Stern, Omar K. Farha and Joseph T. Hupp
"Synthesis and characterization of isostructural cadmium zeolitic imidazolate frameworks via solvent-assisted linker exchange"
DOI: 10.1039/C2SC20558K

[230] J. Phys. Chem. A 2013, #117A-18, p. 3771 - 3776
Adam F. Gross, Elena Sherman, Sky L. Mahoney and John J. Vajo
"Reversible Ligand Exchange in a Metal-Organic Framework (MOF): Toward MOF-Based Dynamic Combinatorial Chemical Systems"
DOI: 10.1021/jp401039k

[231] Chem. Mater. 2013, #25-17, p. 3499 - 3503
Olga Karagiaridi, Wojciech Bury, Emmanuel Tylianakis, Amy A. Sarjeant, Joseph T. Hupp and Omar K. Farha
"Opening Metal-Organic Frameworks Vol. 2: Inserting Longer Pillars into Pillared-Paddlewheel Structures through Solvent-Assisted Linker Exchange"
DOI: 10.1021/cm401724v

[232] JACS 2013, #135-40, p. 14916 - 14919
Nicolaas A. Vermeulen, Olga Karagiaridi, Amy A. Sarjeant, Charlotte L. Stern, Joseph T. Hupp, Omar K. Farha and J. Fraser Stoddart
"Aromatizing Olefin Metathesis by Ligand Isolation inside a Metal-Organic Framework"
DOI: 10.1021/ja407333q

[233] Angew. 2010, #122-50, p. 9924 - 9927
Kristine K. Tanabe, Corinne A. Allen and Seth M. Cohen
"Photochemical Activation of a Metal-Organic Framework to Reveal Functionality"
DOI: 10.1002/ange.201004736
(ACIE 2010, #49-50, p. 9730 - 9733; dito, dito; DOI: 10.1002/anie.201004736)

[234] Chem. Soc. Rev. 2014, #43, p. 5456 - 5467 (freiheitlich zugänglich, CC-BY)
Carl K. Brozek and Mircea Dincă
"Cation exchange at the secondary building units of metal-organic frameworks"
DOI: 10.1039/C4CS00002A

[235] Chem. Soc. Rev. 2005, #34, p. 109 - 119
Susumu Kitagawa and Kazuhiro Uemura
"Dynamic porous properties of coordination polymers inspired by hydrogen bonds"
DOI: 10.1039/B313997M

[236] Materials 2014, #7-4, p. 3189 - 3250 (freiheitlich zugänglich, CC-BY)
Mays Alhamami, Huu Doan and Chil-Hung Cheng
"A Review on Breathing Behaviors of Metal-Organic-Frameworks (MOFs) for Gas Adsorption"
DOI: 10.3390/ma7043198
(http://www.mdpi.com/1996-1944/7/4/3198)

[237] Chem. Soc. Rev. 2014, #43, p. 6062 - 6096 (freiheitlich zugänglich, CC-BY)
Andreas Schneemann, Volodymyr Bon, Inke Schwedler, Irena Senkovska, Stefan Kaskel and Roland A. Fischer
"Flexible metal-organic frameworks"
DOI: 10.1039/C4CS00101J

[238] Eur. J. Inorg. Chem. 2010, #24, p. 3701 - 3714
Mikhail Meilikhov, Kirill Yusenko, Daniel Esken, Stuart Turner, Gustaaf Van Tendeloo and Roland A. Fischer
"Metals@MOFs - Loading MOFs with Metal Nanoparticles for Hybrid Functions"
DOI: 10.1002/ejic.201000473

[240] Nature Chemistry 2012, #4, p. 83 - 89 (*via* Subito)
Christopher E. Wilmer, Michael Leaf, Chang Yeon Lee, Omar K. Farha, Brad G. Hauser, Joseph T. Hupp and Randall Q. Snurr
"Large-scale screening of hypothetical metal-organic frameworks"
DOI: 10.1038/nchem.1192

[241] Chem. Soc. Rev. 2014, #43, p. 5735 - 5749
Yamil J. Colón and Randall Q. Snurr
"High-throughput computational screening of metal-organic frameworks"
DOI: 10.1039/C4CS00070F

[242] Chem. Soc. Rev. 2014, #43, p. 5431 - 5443
Darren Bradshaw, Samir El-Hankari and Lucia Lupica-Spagnolo
"Supramolecular templating of hierarchically porous metal-organic frameworks"
DOI: 10.1039/C4CS00127C

[243] Gespräche mit und Vorträge von Randy Snurr während seines Aufenthaltes in Leipzig.

[244] Nature, 2004, #427-6974, p. 523 - 527
Hee K. Chae, Diana Y. Siberio-Pérez, Jaheon Kim, YongBok Go, Mohamed Eddaoudi, Adam J. Matzger, Michael O'Keeffe and Omar M. Yaghi
"A route to high surface area, porosity and inclusion of large molecules in crystals"
DOI: 10.1038/nature02311

[245] als ein Bsp.: SAF Technical Bulletin, AL-143; III. Activated Carbon
http://www.sigmaaldrich.com/chemistry/chemical-synthesis/learning-center/technical-bulletins/al-1430/activated-carbon.html
(Stand Okt. 2015)

[246] Science 2005, #309-5743, p. 2040 - 2042
Gérard Ferey, Caroline Mellot-Draznieks, Christian Serre, Franck Millange, Julien Dutour, Suzy Surblé and Irène Margiolaki
"A chromium terephthalate-based solid with unusually large pore volumes and surface area"
DOI: 10.1126/science.1116275

[247] Nature, 2007, #448-7155, p. 746 - 748
Katharine Sanderson
"Materials chemistry: Space invaders"
DOI: 10.1038/448746a

[248] Science 2010, #329-5990, p. 424 - 428
Hiroyasu Furukawa, Nakeun Ko, Yong Bok Go, Naoki Aratani, Sang Beom Choi, Eunwoo Choi, A. Özgür Yazaydin, Randall Q. Snurr, Michael O'Keeffe, Jaheon Kim and Omar M. Yaghi
"Ultrahigh Porosity in Metal-Organic Frameworks"
DOI: 10.1126/science.1192160

[249] Science 2013, #341-6149, article 1230444 (13 pages)
Hiroyasu Furukawa, Kyle E. Cordova, Michael O'Keeffe and Omar M. Yaghi
"The Chemistry and Applications of Metal-Organic Frameworks"
DOI: 10.1126/science.1230444

[250] JACS 2012, #134-36, p. 15016 - 15021
Omar K. Farha, Ibrahim Eryazici, Nak Cheon Jeong, Brad G. Hauser, Christopher E. Wilmer, Amy A. Sarjeant, Randall Q. Snurr, SonBinh T. Nguyen, A. Özgür Yazaydın (Yazaydin) and Joseph T. Hupp
"Metal-Organic Framework Materials with Ultrahigh Surface Areas: Is the Sky the Limit?"
DOI: 10.1021/ja3055639

[251] J. Phys. Chem. Lett. 2013, #4-6, p. 925 - 930
Hui Wu, Taner Yildirim and Wei Zhou
"Exceptional Mechanical Stability of Highly Porous Zirconium Metal-Organic Framework UiO-66 and Its Important Implications"
DOI: 10.1021/jz4002345

[252] a) US 2006099398 (A1); 2006-05-11 (BASF / University of Michigan)
Michael Hesse and Ulrich Müller incl. Omar M. Yaghi
"Shaped bodies containing metal-organic frameworks"

b) US 2003222023 (A1), 2003-12-04 (BASF / University of Michigan)
Ulrich Müller, Lisa Lobree, Michael Hesse, Omar Yaghi and Mohamed Eddaoudi
"Shaped bodies containing metal-organic frameworks"

[253] Chem. Soc. Rev. 2014, #43, p. 6116 - 6140
Shilun Qiu, Ming Xue and Guangshan Zhu
"Metal-organic framework membranes: from synthesis to separation application"
DOI: 10.1039/C4CS00159A

[254] Chem. Soc. Rev. 2014, #43, p. 5468 - 5512
Qi-Long Zhu and Qiang Xu
"Metal-organic framework composites"
DOI: 10.1039/C3CS60472A

[255] Chem. Soc. Rev. 2014, #43, p. 5513 - 5560 (freiheitlich zugänglich, CC-BY)
Paolo Falcaro, Raffaele Ricco, Cara M. Doherty, Kang Liang, Anita J. Hill and Mark J. Styles
"MOF positioning technology and device fabrication"
DOI: 10.1039/C4CS00089G

[256] Bull. Chem. Soc. Jpn. 1954, #27-2, p. 112 - 114 (kostenfrei zugänglich)
Hirozo Koyama, Yoshihiko Saito
"The Crystal Structure of Zinc Oxyacetate, $Zn_4O(CH_3COO)_6$"
DOI: 10.1246/bcsj.27.112

[257] JACS 2015, #137-7, p. 2651 - 2657
Ping Guo, Dhanadeep Dutta, Antek G. Wong-Foy, David W. Gidley and Adam J. Matzger
"Water Sensitivity in Zn_4O-Based MOFs is Structure and History Dependent"
DOI: 10.1021/ja512382f

[258] Chem. A. Eur. J. 2001, #7-23, p. 5168 - 5175
Mark Edgar, Robert Mitchell, Alexandra M. Z. Slawin, Philip Lightfoot and Paul A. Wright
"Solid-State Transformations of Zinc 1,4-Benzenedicarboxylates Mediated by Hydrogen-Bond-Forming Molecules"
DOI: 10.1002/1521-3765(20011203)7:23<5168::AID-CHEM5168>3.0.CO;2-S

[259] Langmuir 2012, #28-49, p. 16874 - 16880
Himanshu Jasuja, You-gui Huang and Krista S. Walton
"Adjusting the Stability of Metal-Organic Frameworks under Humid Conditions by Ligand Functionalization"
DOI: 10.1021/la304151r

[260] Chem. A Eur. J. 2012, #18-39, p. 12260 - 12266
Luca Bellarosa, Juan Manuel Castillo, Thijs Vlugt, Sofía Calero and Núria López
"On the Mechanism Behind the Instability of Isoreticular Metal-Organic Frameworks (IRMOFs) in Humid Environments"
DOI: 10.1002/chem.201201212

[260] JACS 2014, #136-11, p. 4369 - 4381
Hiroyasu Furukawa, Felipe Gándara, Yue-Biao Zhang, Juncong Jiang, Wendy L. Queen, Matthew R. Hudson and Omar M. Yaghi
"Water Adsorption in Porous Metal-Organic Frameworks and Related Materials"
DOI: 10.1021/ja500330a

[261] Chem. Soc. Rev. 2014, #43, p. 5594 - 5617
Jérôme Canivet, Alexandra Fateeva, Youmin Guo, Benoit Coasne and David Farrusseng
"Water adsorption in MOFs: fundamentals and applications"
DOI: 10.1039/C4CS00078A

[262] Chem. Soc. Rev. 2014, #43, p. 5657 - 5678
Yabing He, Wei Zhou, Guodong Qian and Banglin Chen
"Methane storage in metal-organic frameworks"
DOI: 10.1039/C4CS00032C

[263] New J. Chem. 2015, #39, p. 2396 - 2399
Jared B. DeCoste, Tyler J. Demasky, Michael J. Katz, Omar K. Farha and Joseph T. Hupp
"A UiO-66 analogue with uncoordinated carboxylic acids for the broad-spectrum removal of toxic chemicals"
DOI: 10.1039/C4NJ02093F

[264] Nature Materials 2012, #11, p. 710 - 716 (*via* Subito)
Sihai Yang, Xiang Lin, William Lewis, Mikhail Suyetin, Elena Bichoutskaia, Julia E. Parker, Chiu C. Tang, David R. Allan, Pierre J. Rizkallah, Peter Hubberstey, Neil R. Champness, K. Mark Thomas, Alexander J. Blake and Martin Schröder
"A partially interpenetrated metal-organic framework for selective hysteretic sorption of carbon dioxide"
DOI: 10.1038/nmat3343

[265] Chem. Soc. Rev. 2014, #43, p. 5419 - 5430 (freiheitlich zugänglich, CC-BY)
Elisa Barea, Carmen Montoro and Jorge A. R. Navarro
"Toxic gas removal - metal-organic frameworks for the capture and degradation of toxic gases and vapours"
DOI: 10.1039/C3CS60475F

[266] Chem. Soc. Rev. 2014, #43, p. 5766 - 5788 (freiheitlich zugänglich, CC-BY)
Ben Van de Voorde, Bart Bueken, Joeri Denayer and Dirk De Vos
"Adsorptive separation on metal-organic frameworks in the liquid phase"
DOI: 10.1039/C4CS00006D

[267] a) Chem. Rev. (ACS) 2015, #115-22, p. 12205 - 12250
Martijn F. de Lange, Karlijn J. F. M. Verouden, Thijs J. H. Vlugt, Jorge Gascon and Freek Kapteijn
"Adsorption-Driven Heat Pumps: The Potential of Metal-Organic Frameworks"
DOI: 10.1021/acs.chemrev.5b00059

b) International Journal of Heat and Mass Transfer 2012, #55_25-26, p. 7366 - 7374 (freiheitlich zugänglich, CC-BY 3.0)
Ahmed Rezk, Raya Al-Dadah, Saad Mahmoud and Ahmed Elsayed
"Characterisation of metal organic frameworks for adsorption cooling"
DOI: 10.1016/j.ijheatmasstransfer.2012.07.068

[268] a) Getränkeindustrie 2003, #06, p. 35 - 37
http://fzarchiv.sachon.de/pdf/Getraenke-Fachzeitschriften/Getraenkeindustrie/2003/06_03/GI_06-03_Das_selbstkuehlende_Fass.pdf
(Stand Dez. 2015)

b) https://de.wikipedia.org/wiki/Selbstk%C3%BChlendes_Bierfass
(Stand Aug. 2015)

[269] Angew. 2006, #118-36, p. 6120 - 6124
Patricia Horcajada, Christian Serre, María Vallet-Regí, Muriel Sebban, Francis Taulelle and Gérard Férey
"Metal-Organic Frameworks as Efficient Materials for Drug Delivery"
DOI: 10.1002/ange.200601878
(ACIE 2006, #45-36, p. 5974 - 5978; dito, dito; DOI: 10.1002/anie.200601878)

[270] Nat. Comm. 2013, #4 (Oct.), article 2684 (freiheitlich zugänglich, CC-BY-NC-ND)
Stéphane Diring, Dan Ohtan Wang, Chiwon Kim, Mio Kondo, Yong Chen, Susumu Kitagawa, Ken-ichiro Kamei and Shuhei Furukawa
"Localized cell stimulation by nitric oxide using a photoactive porous coordination polymer platform"
DOI: 10.1038/ncomms3684

[271] Chem. Comm. 2015, #51, p. 17764 - 17767
Alexandr V. Vinogradov, Haldor Zaake-Hertling, Andrey S. Drozdov, Peter Lönnecke, Gulaim A. Seisenbaeva, Vadim G. Kessler, Vladimir V. Vinogradov and Evamarie Hey-Hawkins
"Anomalous adsorption of biomolecules on a Zn-based metal-organic framework obtained via a facile room-temperature route"
DOI: 10.1039/c5cc07808c

[272] Chem. Soc. Rev. 2009, #38, p. 1330 - 1352
Mark D. Allendorf, Christina A. Bauer, Raghunandan K. Bhakta and Ronald J. T. Houk
"Luminescent metal-organic frameworks"
DOI: 10.1039/b802352m

[273] Chem. Rev. 2012, #112-2, p. 1126 - 1162
Yuanjing Cui, Yanfeng Yue, Guodong Qian and Banglin Chen
"Luminescent Functional Metal-Organic Frameworks"
DOI: 10.1021/cr200101d

[274] Chem. Soc. Rev. 2014, #43, p. 5815 - 5840
Zhichao Hu, Benjamin J. Deibert and Jing Li
"Luminescent metal-organic frameworks for chemical sensing and explosive detection"
DOI: 10.1039/C4CS00010B

[275] JACS 2013, #135-21, p. 7807 - 7810
Jun He, Meiqin Zha, Jieshun Cui, Matthias Zeller, Allen D. Hunter, Shek-Man Yiu, Shuit-Tong Lee and Zhengtao Xu
"Convenient Detection of Pd(II) by a Metal-Organic Framework with Sulfur and Olefin Functions"
DOI: 10.1021/ja401479j

[276] ACIE 2013, #52-10, p. 2881 - 2885
Sanjog S. Nagarkar, Biplab Joarder, Abhijeet K. Chaudhari, Soumya Mukherjee and Sujit K. Ghosh
"Highly Selective Detection of Nitro Explosives by a Luminescent Metal-Organic Framework"
DOI: 10.1002/anie.201208885
(Angew. 2013, #125-10, p. 2953 - 2957; dito, dito; DOI: 10.1002/ange.201208885)

[277] Chem. Comm. 2013, #49, p. 10575 - 10577 (freiheitlich zugänglich, CC-BY)
Maxim A. Nasalevich, Maarten G. Goesten, Tom J. Savenije, Freek Kapteijn and Jorge Gascon
"Enhancing optical absorption of metal-organic frameworks for improved visible light photocatalysis"
DOI: 10.1039/C3CC46398B

[278] ACIE 2013, #52-2, p. 710 - 713
Yu Li, Shanshan Zhang and Datong Song
"A Luminescent Metal-Organic Framework as a Turn-On Sensor for DMF Vapor"
DOI: 10.1002/anie.201207610
(Angew. 2013, #125-2, p. 738 - 741; dito, dito; DOI: 10.1002/ange.201207610)

[279] JACS 2012, #134-22, 9050-9053
Marcela M. Wanderley, Cheng Wang, Chuan-De Wu and Wenbin Lin
"A Chiral Porous Metal-Organic Framework for Highly Sensitive and Enantioselective Fluorescence Sensing of Amino Alcohols"
DOI: 10.1021/ja302110d

[280] Chem. Soc. Rev. 2014, #43, p. 5994 - 6010
Vitalie Stavila, A. Alec Talin and Mark D. Allendorf
"MOF-based electronic and opto-electronic devices"
DOI: 10.1039/C4CS00096J

[281] https://www1.aps.anl.gov/APS-Science-Highlight/2015/A-Framework-for-Next-Gen-Optical-Sensors-and-LEDs
(Stand Nov. 2015; Inwiefern rare earth metals wirklich "rare" sind, sei dahingestellt.
"…whereas the new MOFs herein do not contain such rare elements…")

[282] Chem. Soc. Rev. 2014, #43, p. 3259 - 3302 (freiheitlich zugänglich, CC-BY)
Hui Xu, Runfeng Chen, Qiang Sun, Wenyong Lai, Qianqian Su, Wei Huang and Xiaogang Liu
"Recent progress in metal-organic complexes for optoelectronic applications "
DOI: 10.1039/C3CS60449G

[283] Chem. A Eur. J. 2011, #17-41, p. 11372 - 11388
Mark D. Allendorf, Adam Schwartzberg, Vitalie Stavila and A. Alec Talin
"A Roadmap to Implementing Metal-Organic Frameworks in Electronic Devices: Challenges and Critical Directions"
DOI: 10.1002/chem.201101595

[284] Chem. Comm. 2015, #51, p. 3501 - 3510
Monica C. So, Gary P. Wiederrecht, Joseph E. Mondloch, Joseph T. Hupp and Omar K. Farha
"Metal-organic framework materials for light-harvesting and energy transfer"
DOI: 10.1039/C4CC09596K

[285] https://en.wikipedia.org/wiki/BODIPY
(Stand Nov. 2015)

[286] Nachr. 2015, #63 (Okt.), p. 995 - 998
Guido Clever
"Schaltbare Wirt-Gast-Systeme"
DOI: 10.1002/nadc.201590352

[287] JACS 1990, #112-4, p. 1546 - 1554
B. F. Hoskins and Richard Robson
"Design and construction of a new class of scaffolding-like materials comprising infinite polymeric frameworks of 3D-linked molecular rods. A reappraisal of the zinc cyanide and cadmium cyanide structures and the synthesis and structure of the diamond-related frameworks $[N(CH_3)_4][CuIZnII(CN)_4]$ and CuI[4,4',4'',4'''-tetracyanotetraphenylmethane]BF_4 * x $C_6H_5NO_2$"
DOI: 10.1021/ja00160a038

[288] Nature 2000, #404, p. 982 - 986
Jung Soo Seo, Dongmok Whang, Hyoyoung Lee, Sung Im Jun, Jinho Oh, Young Jin Jeon and Kimoon Kim
"A homochiral metal-organic porous material for enantioselective separation and catalysis"
DOI: 10.1038/35010088

[289] Chem. Soc. Rev. 2009, #38, p. 1450 - 1459
JeongYong Lee, Omar K. Farha, John Roberts, Karl A. Scheidt, SonBinh T. Nguyen and Joseph T. Hupp
"Metal-organic framework materials as catalysts"
DOI: 10.1039/b807080f

[290] Chem. Rev. 2011, #112-2, p. 1196 - 1231
Minyoung Yoon, Renganathan Srirambalaji and Kimoon Kim
"Homochiral Metal-Organic Frameworks for Asymmetric Heterogeneous Catalysis"
DOI: 10.1021/cr2003147

[291] Chem. Soc. Rev. 2014, #43, p. 6011 - 6061
Jiewei Liu, Lianfen Chen, Hao Cui, Jianyong Zhang, Li Zhang and Cheng-Yong Su
"Applications of metal-organic frameworks in heterogeneous supramolecular catalysis"
DOI: 10.1039/C4CS00094C

[292] Chem. Soc. Rev. 2014, #43, p. 5750 - 5765
Amarajothi Dhakshinamoorthy and Hermenegildo Garcia
"Metal-organic frameworks as solid catalysts for the synthesis of nitrogen-containing heterocycles."
DOI: 10.1039/C3CS60442J

[293] JEC 2013, #22-1, p. 130 - 135
Olga V. Zalomaeva, Nataliya V. Maksimchuk, Andrey M. Chibiryaev, Konstantin A. Kovalenko, Vladimir P. Fedin and Bair S. Balzhinimaeva
"Synthesis of cyclic carbonates from epoxides or olefins and CO_2 catalyzed by metal-organic frameworks and quaternary ammonium salts"
DOI: 10.1016/S2095-4956(13)60017-0

[294] Chem. A Eur. J. 2010, #16-32, p. 9789 - 9795
Avelino Corma, Marta Iglesias, Francesc X. Llabrés i Xamena and Félix Sánchez
"Cu and Au Metal-Organic Frameworks Bridge the Gap between Homogeneous and Heterogeneous Catalysts for Alkene Cyclopropanation Reactions"
DOI: 10.1002/chem.201000278

[295] https://de.wikipedia.org/wiki/Bis%28salicyliden%29ethylendiamin
(Stand Nov. 2015)

[296] http://www.organische-chemie.de/OC/Namen/jacobsen-katsuki-epoxidierung.htm
http://www.organic-chemistry.org/namedreactions/jacobsen-katsuki-epoxidation.shtm
(Stand Nov. 2015)

[297] JACS 2005, #127-25, p. 8940 - 8941
Chuan-De Wu, Aiguo Hu, Lin Zhang and Wenbin Lin
"A Homochiral Porous Metal-Organic Framework for Highly Enantioselective Heterogeneous Asymmetric Catalysis"
DOI: 10.1021/ja052431t

[298] Chem. Soc. Rev. 2014, #43, p. 5841 - 5866
Wen-Yang Gao, Matthew Chrzanowski and Shengqian Ma
"Metal-metalloporphyrin frameworks: a resurging class of functional materials"
DOI: 10.1039/C4CS00001C

[299] JACS 2009, #131-12, p. 4204 - 4205
Abraham M. Shultz, Omar K. Farha, Joseph T. Hupp and SonBinh T. Nguyen
"A Catalytically Active, Permanently Microporous MOF with Metalloporphyrin Struts"
DOI: 10.1021/ja900203f

[300] JACS 2013, #135-45, p. 17105 - 17110
Dawei Feng, Wan-Chun Chung, Zhangwen Wei, Zhi-Yuan Gu, Hai-Long Jiang, Ying-Pin Chen, Donald J. Darensbourg and Hong-Cai Zhou
"Construction of Ultrastable Porphyrin Zr Metal-Organic Frameworks through Linker Elimination"
DOI: 10.1021/ja408084j

[301] Chem. Comm. 2015, #51, p. 12463 - 12466
Megumi Mukoyoshi, Hirokazu Kobayashi, Kohei Kusada, Mikihiro Hayashi, Teppei Yamada, Mitsuhiko Maesato, Jared M. Taylor, Yoshiki Kubota, Kenichi Kato, Masaki Takata, Tomokazu Yamamoto, Syo Matsumura and Hiroshi Kitagawa
"Hybrid materials of Ni NP@MOF prepared by a simple synthetic method"
DOI: 10.1039/C5CC04663G

[302] Angew. 2005, #117-38, p. 6394 - 6397
Stephan Hermes, Marie-Katrin Schröter, Rochus Schmid, Lamma Khodeir, Martin Muhler, Arno Tissler, Richard W. Fischer and Roland A. Fischer
"Metall@MOF: Beladung hoch poröser Koordinationspolymergitter durch Metallorganische Chemische Dampfabscheidung"
DOI: 10.1002/ange.200462515
ACIE 2005, #44-38, p. 6237 - 6241
dito
"Metal@MOF: Loading of Highly Porous Coordination Polymers Host Lattices by MO-CVD"
DOI: 10.1002/anie.200462515

[303] JACS 2013, #135-28, p. 10210 - 10213
Qi-Long Zhu, Jun Li and Qiang Xu
"Immobilizing Metal Nanoparticles to Metal-Organic Frameworks with Size and Location Control for Optimizing Catalytic Performance"
DOI: 10.1021/ja403330m

[304] ACIE 2010, #49-24, p. 4054 - 4058
Bizhen Yuan, Yingyi Pan, Yingwei Li, Biaolin Yin and Huanfeng Jiang
"A Highly Active Heterogeneous Palladium Catalyst for the Suzuki-Miyaura and Ullmann Coupling Reactions of Aryl Chlorides in Aqueous Media"
DOI: 10.1002/anie.201000576
(Angew. 2010, #122-24, p. 4148 - 4152; dito, dito; DOI: 10.1002/ange.201000576)

[305] Die Wikipedia stellt hier eine praktische Übersicht bereit:
https://en.wikipedia.org/wiki/Polyoxometalate
(Stand: Okt. 2015)

[306] Chem A. Eur. J. 2010, #16-13, p. 3926 - 3932
Sneha R. Bajpe, Christine E. A. Kirschhock, Alexander Aerts, Eric Breynaert, Gregory Absillis, Tatjana N. Parac-Vogt, Lars Giebeler and Johan A. Martens
"Direct Observation of Molecular-Level Template Action Leading to Self-Assembly of a Porous Framework"
DOI: 10.1002/chem.200903239

[307] Fuel Proc. Tech. 2013, #116, p. 350 - 357
Susana Ribeiro, André D. S. Barbosa, Ana C. Gomes, Martyn Pillinger, Isabel S. Gonçalves, Luís Cunha-Silva, Salete S. Balula
"Catalytic oxidative desulfurization systems based on Keggin phosphotungstate and metal-organic framework MIL-101"
DOI: 10.1016/j.fuproc.2013.07.011

[308] a) ACIE 2007, #46-21, p. 3900 - 3904
Yu-Fei Song, De-Liang Long and Leroy Cronin
"Noncovalently Connected Frameworks with Nanoscale Channels Assembled from a Tethered Polyoxometalate-Pyrene Hybrid"
DOI: 10.1002/anie.200604734

[308] b) Angew. 2007, #119-21, p. 3974 - 3978
Yu-Fei Song, De-Liang Long and Leroy Cronin
"Noncovalently Connected Frameworks with Nanoscale Channels Assembled from a Tethered Polyoxometalate-Pyrene Hybrid"
DOI: 10.1002/ange.200604734

[309] Chem. Soc. Rev. 2014, #43, p. 5679 - 5699
Haralampos N. Miras, Laia Vilà-Nadal and Leroy Cronin
"Polyoxometalate based open-frameworks (POM-OFs)"
DOI: 10.1039/C4CS00097H

[310] Chem. Soc. Rev. 2014, #43, p. 5982 - 5993
Teng Zhang and Wenbin Lin
"Metal-organic frameworks for artificial photosynthesis and photocatalysis"
DOI: 10.1039/C4CS00103F

[311] JACS 2013, #135-39, p. 14488 - 14491
Katrien G. M. Laurier, Frederik Vermoortele, Rob Ameloot, Dirk E. De Vos, Johan Hofkens and Maarten B. J. Roeffaers
"Iron(III)-Based Metal-Organic Frameworks As Visible Light Photocatalysts"
DOI: 10.1021/ja405086e

[312] ACS Appl. Mater. Interfaces, 2013, #5-15, p. 7654 - 7658
Yuanyuan Liu, Yanmei Yang, Qilong Sun, Zeyan Wang, Baibiao Huang, Ying Dai, Xiaoyan Qin and Xiaoyang Zhang
"Chemical Adsorption Enhanced CO_2 Capture and Photoreduction over a Copper Porphyrin Based Metal Organic Framework"
DOI: 10.1021/am4019675

[313] JACS 2012, #134-48, p. 19895 - 19908
Cheng Wang, Jin-Liang Wang and Wenbin Lin
"Elucidating Molecular Iridium Water Oxidation Catalysts Using Metal-Organic Frameworks: A Comprehensive Structural, Catalytic, Spectroscopic, and Kinetic Study"
DOI: 10.1021/ja310074j

[314] Dalton Transactions, 2011, #40-13, p. 3325 - 3335
Taotao Chen, Xuebing Ma, Xiaojia Wang, Qiang Wang, Jinqin Zhou and Qian Tang
"Organosoluble zirconium phosphonate nanocomposites and their supported chiral ruthenium catalysts: The first example of homogenization of inorganic-supported catalyst in asymmetric hydrogenation"
DOI: 10.1039/C0DT00786B

[315] Ber. d. Deut. Chem. Ges. 1894, #27-3, p. 2985 - 2993
Emil Fischer
"Einfluss der Configuration auf die Wirkung der Enzyme"
DOI: 10.1002/cber.18940270364
speziell S. 2992 unten "Um ein Bild zu gebrauchen, will ich sagen, daß Enzym und Glucosid wie Schloß und Schlüssel zueinander passen müssen, um eine chemische Wirkung auf einander ausüben zu können."
S. 2993 "Die Erfahrung, daß die Wirksamkeit der Enzyme in so hohem Grade durch die molekulare Geometrie beschränkt ist, dürfte auch der physiologischen Forschung einigen Nutzen bringen."

[316] Ber. d. Deut. Chem. Ges. 1894, #27-3, p. 3189 - 3232
Emil Fischer
"Synthesen in der Zuckergruppe II"
DOI: 10.1002/cber.189402703109
S. 3229 Mitte "Ganz anders liegt die Sache bei der Wirkung der Enzyme und der Gärungsfermente, wo ein tief eingreifender chemischer Prozeß je nach der Konfiguration des Gärmaterials leicht oder gar nicht stattfindet. Hier übt offenbar der geometrische Bau auf das Spiel der chemischen Affinitäten einen so großen Einfluss (aus), daß mir der Vergleich der beiden in Wirkung tretenden Moleküle mit Schlüssel und Schloß erlaubt zu sein schien. Will man auch der Tatsache, daß einige Hefen eine größere Zahl von Hexosen als andere vergären können, gerecht werden, so ließe sich das Bild noch durch die Unterscheidung von Haupt- und Spezialschlüssel vervollständigen."

[317] (Vorangehende Arbeit und Erkenntnisse zur Selektivität von Hefen bei der Vergärung diverser Zucker.) Ber. d. Deut. Chem. Ges. 1894, #27-2, p. 2031 - 2037
Emil Fischer and Hans Thierfelder

"Verhalten der verschiedenen Zucker gegen reine Hefen"
DOI: 10.1002/cber.189402702170

[318] J. Chem. Soc. Perkin Trans. 1977, #1, p. 1756 - 1769
W. David Curtis, Dale A. Laidler, J. Fraser Stoddart and Graham H. Jones
"To enzyme analogues by lock and key chemistry with crown compounds. Part 1. Enantiomeric differentiation by configurationally chiral cryptands synthesised from L-tartaric acid and D-mannitol."
DOI: 10.1039/P19770001756
Siehe S. 1767 / 1768 für eine Veranschaulichung im Bild.

[319] a) O. M. Yaghi; Progress report, Mai 2007, PDF p. 45 - 47
http://hydrogen.energy.gov/pdfs/review07/st_10_yaghi.pdf
"Hydrogen storage in metal-organic frameworks"
(Stand Okt. 2015)

b) Eunwoo Choi
"The Construction of Metal-Organic Framework with Active Backbones by the Utilization of Reticular Chemistry"
PhD thesis, supervised by Omar M. Yaghi
ISBN: 9781267144829
Aus dem Abstract der Arbeit: "A successful thermal polymerization reaction at 325 °C inside of the pores of highly porous MOF, MOF-177, was performed and verified the integrity of the MOF structure even after the thermal reaction. 1,4-Diphenylbutadiyne that is known to polymerize upon heating to form a conjugated backbone was impregnated via solution-diffusion into MOF-177 and then subsequently polymerized by heat to form polymer impregnated MOF-177."
(http://gradworks.umi.com/34/93/3493446.html Stand Okt. 2015)

[320] Tet. Asy. 2005, #16-11, p. 2031 - 2038
Petr Holý, Martin Kováč, Miloš Tichý, Jiří Závada, Miloš Buděšínský and Ivana Císařová
"Interpenetrating chiral 2D grid nets: hetero- versus homochiral 3D polycatenation in the crystal self-assembly of (RS)- and (R)-1,1'-binaphthalene-2,2',6,6'-tetracarboxylic acids"
DOI: 10.1016/j.tetasy.2005.04.018

[321] Vortrag von Susumu Kitagawa an unserer Fakultät.

[322] Angew. 2011, #123-45, p. 10696 - 10707
Madhab C. Das, Shengchang Xiang, Zhangjing Zhang and Banglin Chen
"Funktionelle Gemischtmetall-organische Gerüste mit Metalloliganden"
DOI: 10.1002/ange.201101534
ACIE 2011, #50-45, p. 10510 - 10520
Madhab C. Das, Shengchang Xiang, Zhangjing Zhang and Banglin Chen
"Functional Mixed Metal-Organic Frameworks with Metalloligands"
DOI: 10.1002/anie.201101534

[323] JACS 1963, #85-22, p. 3533 - 3539
Ralph G. Pearson
"Hard and Soft Acids and Bases"
DOI: 10.1021/ja00905a001

[324] Chem. Soc. Rev. 2014, #43, p. 5867 - 5895
Zu-Jin Lin, Jian Lü, Maochun Hong and Rong Cao
"Metal-organic frameworks based on flexible ligands (FL-MOFs): structures and applications"
DOI: 10.1039/C3CS60483G

[325] Chem. Comm. 2015, #51, p. 6521 - 6523
Daniel J. Clingerman, William Morris, Joseph E. Mondloch, Robert D. Kennedy, Amy A. Sarjeant, Charlotte Stern, Joseph T. Hupp, Omar K. Farha and Chad A. Mirkin
"Stabilization of a highly porous metal-organic framework utilizing a carborane-based linker"
DOI: 10.1039/C4CC09212K

[326] Dissertationsvortrag Matthias Scholz im AK Hey-Hawkins.

[327] u.a. hier: Nature 1999, #402, p. 276 - 279
Hailian Li, Mohamed Eddaoudi, Michael O'Keeffe and Omar Mwannes Yaghi
"Design and synthesis of an exceptionally stable and highly porous metal-organic framework"

[328] Chem. Ber. 1901, #34-2, p. 2174 - 2185
Fritz Ullmann und Jean Bielecki
"Ueber Synthesen in der Biphenylreihe"
DOI: 10.1002/cber.190103402141

[329] Chem. Rev. 2002, #102-5, p. 1359 - 1470
Jwanro Hassan, Marc Sévignon, Christel Gozzi, Emmanuelle Schulz and Marc Lemaire
"Aryl-Aryl Bond Formation One Century after the Discovery of the Ullmann Reaction"
DOI: 10.1021/cr000664r

[330] Chem. Comm. 1979, #19, p. 866 - 867
Norio Miyaura and Akira Suzuki
"Stereoselective synthesis of arylated (E)-alkenes by the reaction of alk-1-enylboranes with aryl halides in the presence of palladium catalyst"
DOI: 10.1039/C39790000866

[331] JACS 1986, #108-11, p. 3033 - 3040
William J. Scott and John Kenneth Stille
"Palladium-catalyzed coupling of vinyl triflates with organostannanes. Synthetic and mechanistic studies"
DOI: 10.1021/ja00271a037

[332] Angew. 2004, #116-36, p. 4808 - 4839
Pablo Espinet and Antonio M. Echavarren
"Die Mechanismen der Stille-Reaktion" / "The Mechanisms of the Stille Reaction"
DOI: 10.1002/ange.200300638
(ACIE 2004, #43-36, p. 4704 - 4734; DOI: 10.1002/anie.200300638)

[333] Angew. 2004, #116-9, p. 1152 - 1156
Simon P. H. Mee, Victor Lee, and Jack E. Baldwin
"Stille Coupling Made Easier - The Synergic Effect of Copper(I) Salts and the Fluoride Ion"
DOI: 10.1002/ange.200352979
(ACIE 2004, #43-9, p. 1132 - 1136; DOI: 10.1002/anie.200352979)

[334] a) JACS 1980, #102-27, p. 7932 - 7934
A. Miyashita, A. Yasuda, H. Takaya, K. Toriumi, T. Ito, T. Souchi and R. Noyori
"Synthesis of 2,2'-bis(diphenylphosphino)-1,1'-binaphthyl (BINAP), an atropisomeric chiral bis(triaryl)phosphine, and its use in the rhodium(I)-catalyzed asymmetric hydrogenation of α-(acylamino)acrylic acids"
DOI: 10.1021/ja00547a020

b) Tetrah. 1984, #40-8, p. 1245 - 1253
A. Miyashita, H. Takaya, T. Souchi, R. Noyori
"2,2'-bis(diphenylphosphino)-1,1'-binaphthyl (BINAP): A new atropisomeric bis(triaryl)phosphine. Synthesis and its use in the Rh(I)-catalyzed asymmetric hydrogenation of α-(acylamino)acrylic acids."
DOI: 10.1016/S0040-4020(01)82411-X
In der zweiten Schrift findet sich übrigens auch ein Hinweis auf eine mögliche Wechselwirkung des Rhodiums mit den Ph-Gruppen des "gegenüberliegenden" BINAPs in dem dimeren Rh(I)-Komplex $[Rh_2(BINAP)_2](ClO_4)_2$. Die Autoren verweisen auf eine ähnliche Publikation mit einer Kristallstruktur.[335]

[335] JACS 1977, #99-24, p. 8055 - 8057
Jack Halpern, Dennis P. Riley, Albert S. C. Chan and Joseph J. Pluth
"Novel coordination chemistry and catalytic properties of cationic 1,2-bis(diphenylphosphino)ethanerhodium(I) complexes"
DOI: 10.1021/ja00466a051

[336] http://www.nobelprize.org/nobel_prizes/chemistry/laureates/2001/noyori-bio.html
http://www.nobelprize.org/nobel_prizes/chemistry/laureates/2001/noyori-lecture.html
(http://www.nobelprize.org/nobel_prizes/chemistry/laureates/2001/noyori-lecture.pdf)
(Stand April 2015)

[337] Dirk Steinborn
"Grundlagen der metallorganischen Komplexkatalyse"
S. 79, Tabelle mit Vergleich von Bißwinkeln verschiedener Phosphanchelate
Teubner Verlag, 1. Auflage 2007, ISBN 978-3-8351-0088-6

[338] JACS 2002, #124-23, p. 6649 - 6667
Masato Kitamura, Masaki Tsukamoto, Yuhki Bessho, Masahiro Yoshimura, Uwe Kobs, Michael Widhalm and Ryoji Noyori
"Mechanism of Asymmetric Hydrogenation of α-(Acylamino)acrylic Esters Catalyzed by BINAP-Ruthenium(II) Diacetate"
DOI: 10.1021/ja010982n

[339] JACS 2006, #128-11, p. 3584 - 3591
Shashank Shekhar, Per Ryberg, John F. Hartwig, Jinu S. Mathew, Donna G. Blackmond, Eric R. Strieter and Stephen L. Buchwald
"Reevaluation of the Mechanism of the Amination of Aryl Halides Catalyzed by BINAP-Ligated Palladium Complexes"
DOI: 10.1021/ja045533c

[340] JACS 1987, #109-5, p. 1596 - 1597
Hidemasa Takaya, Tetsuo Ohta, Noboru Sayo, Hidenori Kumobayashi, Susumu Akutagawa, Shinichi Inoue, Isamu Kasahara and Ryoji Noyori
"Enantioselective hydrogenation of allylic and homoallylic alcohols"
DOI: 10.1021/ja00239a065

[341] Topics in Catalysis 1997, #4_3-4, p. 271 - 274
Susumu Akutagawa
"Enantioselective isomerization of allylamine to enamine: practical asymmetric synthesis of (-)-menthol by Rh-BINAP catalysts"
DOI: 10.1023/A:1019112911246

[342] JACS 1990, #112-12, p. 4897 - 4905
Shinichi Inoue, Hidemasa Takaya, Kazuhide Tani, Sei Otsuka, Tsuneo Sato and Ryoji Noyori
"Mechanism of the asymmetric isomerization of allylamines to enamines catalyzed by 2,2'-bis(diphenylphosphino)-1,1'binaphthyl-rhodium complexes"
DOI: 10.1021/ja00168a040

[343] Beratungsfirma für Aromen (Geruch und Geschmack) Leffingwell and Associates
Menthol:
http://www.leffingwell.com/menthol10/menthol10.htm
Chirality & Odour Perception:
http://www.leffingwell.com/chirality/chirality.htm
(Stand: Juni 2015)

[344] ChiuZ 2006, #40, p. 112 - 124
Kilian Muñiz
"Asymmetrische Katalyse mit Metall-Komplexen"
DOI: 10.1002/ciuz.200600375

[345] Stuart Batten's website, about his research in interpenetrating networks
http://monash.edu/science/about/schools/chemistry/staff/sbatten/interpen/
vgl. auch [204] f)

[346] JACS 2009, #131-47, p. 17040 - 17041
JianJun Zhang, Lukasz Wojtas, Randy W. Larsen, Mohamed Eddaoudi and Michael J. Zaworotko
"Temperature and Concentration Control over Interpenetration in a Metal-Organic Material"
DOI: 10.1021/ja906911q

[347] F. Albert Cotton, Carlos A. Murillo and Richard A. Walton
"Multiple Bonds between Metal Atoms"
3rd edition, Springer Science and Business Media, 2005
ISBN: 0-387-25084-0
(ISBN: 0-387-25829-9)

[348] JACS 1972, #94-16, p. 5697 - 5702
F. A. Cotton and J. G. Norman Jr.
"Molybdenum(II) trifluoroacetate dimer. Bispyridine adduct."
DOI: 10.1021/ja00771a027

[349] Plant Growth Regulation 2001, #34-1 (May), p. 57 - 69
Kerry G. Gilbert (nee Stoker) and David T. Cooke
"Dyes from plants: Past usage, present understanding and potential"
DOI: 10.1023/A:1013374618870

[350] Chem. Ber. 1972, #105-9, p. 2922 - 2927
Wolfgang Steglich and Wolfgang Reininger
"Pilzpigmente, IX. Anthrachinon-Pigmente aus Dermocybe cinnabarina (Fr.) Wünsche"
DOI: 10.1002/cber.19721050915

[351] Liebigs Ann. Chem. 1925, #444-1, p. 1 - 7
Fritz Kögl and J. J. Postowsky
"Untersuchungen über Pilzfarbstoffe. II. Über die Farbstoffe des blutroten Hautkopfes (Dermocybe sanguinea Wulf.)"
DOI: 10.1002/jlac.19254440102

[352] ChiuZ 2015, #49-3, p. 196- 212
Klaus Roth
"Pilzragout nach Chemiker Art - Es kochen Maître Steglich und seine Küchenbrigade"
DOI: 10.1002/ciuz.201500712

[353] Anal. Chem. 2000, #72-20, p. 5097 - 5105
Jean-Claude Blais, Cédric-Olivier Turrin, Anne-Marie Caminade and Jean-Pierre Majoral
"MALDI TOF Mass Spectrometry for the Characterization of Phosphorus-Containing Dendrimers. Scope and Limitations"
DOI: 10.1021/ac0003854

[354] US Pat. 2158525, 16. Mai 1939
Hans-Joachim Riedl and Georg Pfleiderer (IG Farben AG)
"Production of Hydrogen Peroxide" (z.B. über google patents online verfügbar)

[355] ACIE 2006, #45-42 p. 6962 - 6984
Jose M. Campos-Martin, Gema Blanco-Brieva and Jose L. G. Fierro
"Hydrogen Peroxide Synthesis: An Outlook beyond the Anthraquinone Process"
DOI: 10.1002/anie.200503779
Angew. 2006, #118-42, p. 7116 - 7139
dito
"Wasserstoffperoxid-Synthese: Perspektiven jenseits des Anthrachinon-Verfahrens"
DOI: 10.1002/ange.200503779

[356] https://de.wikipedia.org/wiki/Wei%C3%9Fer_und_schwarzer_Rauch
http://www.ingenieur.de/Panorama/Am-Rande/Chemie-im-Ofen-PopeApp-informieren-Glaeubige
(Stand Aug. 2015)

[357] Klaus Müllen und Ullrich Scherf (editors)
"Organic Light-Emitting Devices"
Wiley VCH, ISBN 3-527-31218-8
E. Fred Schubert, Thomas Gressmann, Jong Kyu Kim, Arne C. Morteani, Richard H. Friend, Carlos Silva, Dirk Hertel, Heinz Bässler, Xiong Gong, Daniel Moses, Alan J. Heeger, Man-Keung Fung, Chun-Sing Lee, Shuit-Tong Lee, Andrew C. Grimsdale, Yarushiko Shirota, John M. Lupton (2 Kaptiel), Klaus Meerholz, Christoph-David Müller, Oskar Nuyken, Andrey L. Rogach, Xiaohui Yang, Dieter Neher, Daniel Schneider, Uli Lemmer, Wolfgang Kowalsky and Thomas Riedl.

[358] a) WO 2010027181
Chang-Ju Shin, Tae-Hyung Kim; Kyoung-Soo Kim and Jung-Sub Lee
(Doosan Corp. Korea)
"Preparation of anthracene derivatives as organic electroluminescent materials"

b) EP 2141214 A2
Chi-Sik Kim, Young Jun Cho, Hyuck Joo Kwon, Bong Ok Kim, Sung Min Kim and Seung Soo Yoon
"Novel organic electroluminescent compounds and organic electroluminescent device using the same"

c) WO 2007105917 A1
Ji-Eun Kim, Jae-Chol Lee, Tae-Yoon Park, Dae-Woong Lee, Kong-Kyeom Kim, Sung-Kil Hong, Hye-Young Jang, Yeon-Hwan Kim and Dong-Seob Jeong
"Novel anthracene derivatives, process for their preparation, and organic electronic devices, such as green-emitting electroluminescent devices, using the anthracene derivatives"

d) WO 2005097756 A1
Masahiro Kawamura, Hiroshi Yamamoto and Chishio Hosokawa
"Preparation of benzimidazole derivatives for use in organic electroluminescent elements"

[359] Synthetic Metals 2009, #159-13, p. 1359 - 1364 (*via* Subito)
Woo Jong Jo, Kwon-Hyeon Kim, Hyeon Chang No, Dong-Yun Shin, Se-Jin Oh, Joo-Hwan Son, Yun-Hi Kim, Yong-Kuk Cho, Qing-Hwa Zhao, Kyeong-Hoon Lee, Hyeong-Yun Oh and Soon-Ki Kwon
"High efficient organic light emitting diodes using new 9,10-diphenylanthracene derivatives containing bulky substituents on 2,6-positon"
DOI: 10.1016/j.synthmet.2009.03.007

[360] Polymer 2008, #49-9, p. 2282 - 2287
Jing Sun, Junwu Chen, Jianhua Zou, Shijie Ren, Hongliang Zhong, Danli Zeng, Junping Du, Erjian Xu and Qiang Fang
"π-Conjugated poly(anthracene-alt-fluorene)s with X-shaped repeating units: New blue-light emitting polymers"
DOI: 10.1016/j.polymer.2008.03.006

[361] Chem. Comm. 2008, p. 1017 - 1019
Weibin Cui, Yubo Wu, Hongkun Tian, Yanhou Geng and Fosong Wang
"The first soluble conjugated poly(2,6-anthrylene): synthesis and properties"
DOI: 10.1039/B713463K

[362] Chem. Comm. 2013, #49, p. 2252 - 2254
Mohammed S. Almeataq, Hunan Yi, Solyman Al-Faifi, Abdulaziz A. B. Alghamdi, Ahmed Iraqi, Nicholas W. Scarratt, Tao Wang and David G. Lidzey
"Anthracene-based donor-acceptor low band gap polymers for application in solar cells"
DOI: 10.1039/C3CC00128H

[363] JOC 1995, #60-23, p. 7508 - 7510
Tatsuo Ishiyama, Miki Murata and Norio Miyaura
"Palladium(0)-Catalyzed Cross-Coupling Reaction of Alkoxydiboron with Haloarenes: A Direct Procedure for Arylboronic Esters"
DOI: 10.1021/jo00128a024

[364] JACS 2002, #124-27, p. 8001 - 8006
Jun Takagi, Kou Takahashi, Tatsuo Ishiyama and Norio Miyaura
"Palladium-Catalyzed Cross-Coupling Reaction of Bis(pinacolato)diboron with 1-Alkenyl Halides or Triflates: Convenient Synthesis of Unsymmetrical 1,3-Dienes via the Borylation-Coupling Sequence"
DOI: 10.1021/ja0202255

[365] a) Inorg. Chem. 2009, #48-11, p. 4616 - 4618
Shengqian Ma, Daofeng Sun, Paul M. Forster, Daqiang Yuan, Wenjuan Zhuang, Yu-Sheng Chen, John B. Parise and Hong-Cai Zhou
"A Three-Dimensional Porous Metal-Organic Framework Constructed from Two-Dimensional Sheets via Interdigitation Exhibiting Dynamic Features"
DOI: 10.1021/ic900372t

b) Inorg. Chem. 2011, #50-17, p. 8367 - 8374
Ines Maria Hauptvogel, Ralf Biedermann, Nicole Klein, Irena Senkovska, Amandine Cadiau, Dirk Wallacher, Ralf Feyerherm and Stefan Kaskel
"Flexible and Hydrophobic Zn-Based Metal-Organic Framework"
DOI: 10.1021/ic200937u

[366] Tetrahedron Letters 2010, #51-51, p. 6730 - 6733
Pablo G. Del Rosso, Marcela F. Almassio, Mattia Bruno and Raúl O. Garay
"Mild persubstitution of di- and tetrabrominated arenes with arylthiolate nucleophiles"
DOI: 10.1016/j.tetlet.2010.10.069

[367] Chem. Rev. 2011, #111-11, p. 7260 - 7314
Teresa M. Figueira-Duarte and Klaus Müllen
"Pyrene-Based Materials for Organic Electronics"
DOI: 10.1021/cr100428a

[368] Persönlicher Besuch der Tagung 31. Mai - 01. Juni 2012 in Bitterfeld / Wolfen.
http://www.funktionelle-farbstoffe.de/

[369] JACS 2010, #132-12, p. 4119 - 4130
Kyriakos C. Stylianou, Romain Heck, Samantha Y. Chong, John Bacsa, James T. A. Jones, Yaroslav Z. Khimyak, Darren Bradshaw and Matthew J. Rosseinsky
"A Guest-Responsive Fluorescent 3D Microporous Metal-Organic Framework Derived from a Long-Lifetime Pyrene Core"
DOI: 10.1021/ja906041f

[370] Org. Lett 2006, #8-5, p. 867 - 870 (Bromierung in supplementary info)
Wenfeng Qiu, Shiyan Chen, Xiaobo Sun, Yunqi Liu and Daoben Zhu
"Suzuki Coupling Reaction of 1,6,7,12-Tetrabromoperylene Bisimide"
DOI: 10.1021/ol052923a

[371] Synth. Comm. 2010, #40-5, p. 759 - 765
Huicai Ren, Jiuyan Li, Renjie Wang, Qian Wang and Di Liu
"Synthesis And Characterization Of Novel Perylenediimide-Cored Dendrimer With Fluorinated Shell"
DOI: 10.1080/00397910903013754

[372] Org. Lett. 2014, #16-11, p. 2814 - 2817
Yulian Zagranyarski, Long Chen, Daniel Jänsch, Thomas Gessner, Chen Li and Klaus Müllen
"Toward Perylene Dyes by the Hundsdiecker Reaction"
DOI: 10.1021/ol5008586

[373] Dyes and Pigments 1983, #4-3, p. 171 - 177
Helmut Tröster
"Untersuchungen zur Protonierung von Perylen-3,4,9,10-tetracarbonsäurealkalisalzen"
DOI: 10.1016/0143-7208(83)80015-1

[374] a) DE2314051 (A1) - 1974-10-03 (s. S. 38)
Wolfgang Wiedemann / Kalle AG (Hoechst)
"Elektrophotographisches Aufzeichnungsmaterial"

b) Chem. Ber. 1983, #116-10, p. 3524 - 3528
Ivan Lukáč and Heinz Langhals
"Darstellung und Fluoreszenzverhalten von 2,3,4,4a,10a,11,12,13-Octahydro-1,4a,10a,14-tetraaza-violanthron-Derivaten"
DOI: 10.1002/cber.19831161027

c) Dyes and Pigments 1984, #5-3, p. 171 - 188
Yukinori Nagao and Takahisa Misono
"Synthesis and properties of N-alkyl-N'-aryl-3,4:9,10-perylenebis(dicarboximide)"
DOI: 10.1016/0143-7208(84)80013-3

d) Can. J. of Chem. 1985, #63-1, p. 134 - 139 (kostenfrei zugänglich, Juni 2015)
Zoran D. Popovic, Rafik O. Loutfy and Ah-Mee Hor
"Photoconductivity studies of perylene tetracarboxyl-diimides"
DOI: 10.1139/v85-022

[375] Chem. A Eur. J. 2007, #13-6, p. 1746 - 1753 (insbesondere S. 1748, Schema 4)
Sonia Alibert-Fouet, Isabelle Seguy, Jean-François Bobo, Pierre Destruel and Harald Bock
"Liquid-Crystalline and Electron-Deficient Coronene Oligocarboxylic Esters and Imides By Twofold Benzogenic Diels-Alder Reactions on Perylenes"
DOI: 10.1002/chem.200601416

[376] Chem. A Eur. J. 2011, #17-29, p. 8145 - 8155
Julien Kelber, Marie-France Achard, Bénédicte Garreau-de Bonneval and Harald Bock
"Columnar Benzoperylene-Hexa- and Tetracarboxylic Imides and Esters: Synthesis, Mesophase Stabilisation and Observation of Charge-Transfer Interactions between Electron-Donating Esters and Electron-Accepting Imides"
DOI: 10.1002/chem.201100939

[377] Gespräch mit Kollegin Katja Koßmann, die zu dem Thema Arbeiten durchführte.

[378] a) J. Appl. Phys. 2008, #103-1, p. 013702-1 - 013702-4
Kazuyuki Sato, Jin Mizuguchi, Yoshimasa Sakai and Shinji Aramaki
"Crystal structure of parallel-stacked peryleneimides and their application to organic field-effect transistor devices"
DOI: 10.1063/1.2827483

b) J. of Lumin. 2012, #132-10, p. 2747 - 2752
Samy A. El-Daly, Khalid A. Alamry, Abdullah M. Asiri and Mahmoud A. Hussein
"Spectral characteristics and fluorescence quenching of N,N'-bis(4-pyridyl)-3,4:9,10-perylenebis(dicarboximide) (BPPD)"
DOI: 10.1016/j.jlumin.2012.05.017

c) Chem. Mater. 1991, #3-6, p. 1046 - 1053
G. Tamizhmani, J. P. Dodelet, R. Côté and D. Gravel
"Photoelectrochemical Characterization of Thin Films of Perylenetetracarboxylic Acid Derivatives"
DOI: 10.1021/cm00018a019

[379] EurJOC, 2014, #24, p. 5178 - 5195
Bernard Pagoaga, Louis Giraudet and Norbert Hoffmann
"Synthesis and Characterisation of 1,7-Di- and Inherently Chiral 1,12-Di- and 1,6,7,12-Tetraarylperylenetetracarbox-3,4:9,10-diimides"
DOI: 10.1002/ejoc.201402625

[380] Adv. Mat. 2012, #24-5, p. 613 - 636
Chen Li and Henrike Wonneberger
"Perylene Imides for Organic Photovoltaics: Yesterday, Today, and Tomorrow"
(dedicated to Klaus Müllen on the occasion of his 65th birthday)
DOI: 10.1002/adma.201104447

[381] JOC 2011, #76-8, p. 2386 - 2407
Chun Huang, Stephen Barlow and Seth R. Marder
"Perylene-3,4,9,10-tetracarboxylic Acid Diimides: Synthesis, Physical Properties, and Use in Organic Electronics"
DOI: 10.1021/jo2001963

[382] Org. Lett. 2008, #10-12, p. 2337 - 2340
Yubai Shi, Hualei Qian, Yan Li, Wan Yue and Zhaohui Wang
"Copper-Mediated Domino Process for the Synthesis of Tetraiodinated Di(perylene bisimide)"
DOI: 7234.10.1021/ol800482y

[383] J. Mater. Chem., 2010, #20, p. 2934 - 2948
Fulvio G. Brunetti, Rajeev Kumar and Fred Wudl
"Organic electronics from perylene to organic photovoltaics: painting a brief history with a broad brush"
DOI: 10.1039/B921677D

[384] Christiane U. E. Berghof
Dissertation Universität Leipzig, November 2006
"Synthese, Charakterisierung und Komplexierungseigenschaften von Metallkomplexen mit S,O-Donorliganden"
http://d-nb.info/983598924

[385] Chem. Soc. Rev. 2014, #43, p. 5618 - 5656
Yabing He, Bin Li, Michael O'Keeffe and Banglin Chen
"Multifunctional metal-organic frameworks constructed from meta-benzenedicarboxylate units"
DOI: 10.1039/C4CS00041B

[386] a) JACS 1990, #112-14, p. 5662 - 5663
James M. Tour, Ruilian Wu and Jeffry S. Schumm
"Approaches to orthogonally fused conducting polymers for molecular electronics"
DOI: 10.1021/ja00170a053

b) JOC 1996, #61-20, p. 6906 - 6921
Ruilian Wu, Jeffry S. Schumm, Darren L. Pearson and James M. Tour
"Convergent Synthetic Routes to Orthogonally Fused Conjugated Oligomers Directed toward Molecular Scale Electronic Device Applications"
http://pubs.acs.org/doi/abs/10.1021/jo960897b

[387] J. Mater. Chem. 2011, #21, p. 18715 - 18722
Florian Moreau, Nathalie Audebrand, Cyril Poriel, Virginie Moizan-Basléb and Jean Ouvryb
"A 9,9'-spirobifluorene based Metal-Organic Framework: synthesis, structure analysis and gas sorption properties"
DOI: 10.1039/C1JM12859K

[388] D. D. Perrin and W. L. F. Armarego
"Purification of Laboratory Chemicals"
Pergamon Press, 3rd edition, 1988
neuere Auflagen:
Wilfred L.F. Armarego and Christina Li Lin Chai
"Purification of Laboratory Chemicals"
ISBN-13: 978-0123821614
7. Auflage, Butterworth-Heinemann
http://www.sciencedirect.com/science/book/9780123821614

[389] JOC 1978, #43-20, p. 3966 - 3968
David R. Burfield and Roger H. Smithers
"Desiccant Efficiency in Solvent Drying. 3. Dipolar Aprotic Solvents"
DOI: 10.1021/jo00414a038

[390] Angew. 2001, #113-2, p. 343 - 349
Thomas T. Tidwell
"Wilhelm Schlenks Leben und Werk - Aufstieg und Fall eines brillanten Wissenschaftlers"
DOI: 10.1002/1521-3757(20010119)113:2<343::AID-ANGE343>3.0.CO;2-R
ACIE 2001, #40-2, p. 331 - 337
Thomas T. Tidwell
"Wilhelm Schlenk: The Man Behind the Flask"
DOI: 10.1002/1521-3773(20010119)40:2<331::AID-ANIE331>3.0.CO;2-E

[391] Concepts in Magnetic Resonance 2002, #14-5, p. 326 - 346
Robin K. Harris, Edwin D. Becker, Sonia M. Cabral De Menezes, Robin Goodfellow and Pierre Granger
"NMR nomenclature: Nuclear spin properties and conventions for chemical shifts (IUPAC recommendations 2001)"
DOI: 10.1002/cmr.10035

[392] SpinWorks 3.x und 4.x, Copyright © 2015
Kirk Marat
University of Manitoba, Canada (Zitation so per email bei Kirk Marat erfragt)

[393] CrysAlis Pro: Data collection and data reduction software package, Agilent Technologies

[394] SCALE3 ABSPACK: Empirical absorption correction using spherical harmonics

[395] Diamond v 3.2k
Crystal Impact
Klaus Brandenburg, Holger Putz and Michael Berndt (2003 verstorben)
http://crystalimpact.de/company.htm

[396] Holzforschung 2009, #63-5, p. 627 - 632
Jan C. Namyslo and Dieter E. Kaufmann
"Chemical improvement of surfaces. Part 1: Novel functional modification of wood with covalently bound organoboron compounds"
DOI: 10.1515/HF.2009.112

[397] Org. Syn. 2005, #81, p. 89 - 97
Wenjie Li, Dorian P. Nelson, Mark S. Jensen, R. Scott Hoerrner, Dongwei Cai, and Robert D. Larsen
(checked by Scott E. Denmark, Geoff T. Halvorsen and Jeffrey M. Kallemeyn)
"Synthesis of 3-Pyridylboronic Acid and its Pinacol Ester. Application of 3-Pyridylboronic Acid in Suzuki Coupling to Prepare 3-Pyridin-3-YlQuinoline
DOI: 10.15227/orgsyn.081.0089

[398] JOC 2002, #67-15, p. 5394 - 5397
Wenjie Li, Dorian P. Nelson, Mark S. Jensen, R. Scott Hoerrner, Dongwei Cai, Robert D. Larsen and Paul J. Reider
"An Improved Protocol for the Preparation of 3-Pyridyl- and Some Arylboronic Acids"
DOI: 10.1021/jo025792p

[399] Inorg. Chem. 2001, #40-22, p. 5536 - 5540
Renata Dreos, Giorgio Nardin, Lucio Randaccio, Patrizia Siega, Giovanni Tauzher and Višnja Vrdoljak
"A Molecular Box Derived from Cobaloxime Units Held Together by 4-Pyridinylboronic Acid Residues"
DOI: 10.1021/ic0102034

[400] Tet. Lett. 2003, #44-21, p. 4085 - 4088
Punita V. Vyas, Anjani K. Bhatt, Gadde Ramachandraiah and Ashutosh V. Bedekar
"Environmentally benign chlorination and bromination of aromatic amines, hydrocarbons and naphthols"
DOI: 10.1016/S0040-4039(03)00834-7
(Achtung, $H_2O_2 \leftrightarrow$ R-O-R)

[401] a) Journal für praktische Chemie 1962, #17_1-2, p. 104 - 106
Kurt Madeja
"Über eine verbesserte Synthese für das 1,10-Phenanthrolin"
DOI: 10.1002/prac.19620170114

b) Journal für praktische Chemie 1962, #17_1-2, p. 97 - 103
Kurt Madeja
"Über eine verbesserte Methode zur Darstellung o- bzw. p-substituierter Methyl-1,10-Phenanthroline"
DOI: 10.1002/prac.19620170113

[402] Org. Syn. 1922, #2, p. 79
H. T. Clarke and Anne W. Davis (checked by Roger Adams and A. W. Sloan)
"Quinoline"
DOI: 10.15227/orgsyn.002.0079

[403] a) Inorg. Chem. 2000, #39-3, p. 447 - 457
Muriel Hissler, William B. Connick, David K. Geiger, James E. McGarrah, Donald Lipa, Rene J. Lachicotte and Richard Eisenberg
"Platinum Diimine Bis(acetylide) Complexes: Synthesis, Characterization, and Luminescence Properties"
DOI: 10.1021/ic991250n

b) Dalton Trans. 2007, #31, p. 3421 - 3426
C. Girardot, G. Lemercier, J.-C. Mulatier, J. Chauvin, P. L. Baldeck and C. Andraud
"Novel ruthenium(II) and zinc(II) complexes for two-photon absorption related applications"
DOI: 10.1039/B706715A

[404] Nicht auffindbar. :)

[405] Inorganic Syntheses 1972, #13 p. 121 - 124 (Bibliotheksbestand)
D. R. Coulson (checked by L. C. Satek / S. O. Grim)
"Tetrakis(triphenylphosphine)palladium(0)"
DOI: 10.1002/9780470132449.ch23

[406] J. Chem. Soc. (Res.) 1957, p. 1186 - 1188
L. Malatesta and M. Angoletta

"Palladium(0) compounds. Part II. Compounds with triarylphosphines, triaryl phosphites, and triarylarsines"
DOI: 10.1039/JR9570001186

[407] J. Chem. Soc. A 1968, p. 561 - 563
C. J. Nyman, C. T. Wymore and Geoffrey Wilkinson
"Reactions of Tris(triphenylphosphine)platinum(0) and Tetrakis(triphenylphosphine)palladium(0) with Oxygen and Carbon Dioxide"
DOI: 10.1039/J19680000561

[408] a) Chem. Ber. 1958, #91-12, p. 2871 - 2877 (exp. S. 2875 unten)
Wilhelm Kuchen and Hans Buchwald
"Zur Kenntnis der Organophosphorverbindungen, II. Das Tetraphenyldiphosphin"
DOI: 10.1002/cber.19580911246

b) ZAAC 1959, #299_1-2, p. 58 - 68
Kurt Issleib und G. Grams
"Zur Reduktion Aromatischer Phosphinoxyde mit Lithiumalanat"
DOI: 10.1002/zaac.19592990108

eine Alternative findet sich hier (z.T. mit anderen Ausgangsstoffen):
c) Chem. Ber. 1958, #91-8, p. 1583 - 1588
Leopold Horner, Hellmut Hoffman und Peter Beck
"Wege zur Darstellung primärer, sekundärer und tertiärer Phosphine"
DOI: 10.1002/cber.19580910803

[409] JOC 1962, #27-3, p. 1001 - 1005 (S. 1003)
A. M. Aguiar, J. Beisler and A. Mills
"Lithium Diphenylphosphide: A Convenient Source and Some Reactions"
DOI: 10.1021/jo01050a076

[410] http://www.chemgapedia.de/vsengine/vlu/vsc/de/ch/3/anc/nmr_spek/andere_kerne.vlu/Page/vsc/de/ch/3/anc/nmr_spek/m_46/nmr_8_6_2/p31koppl_m46te0403.vscml.html
(Stand Mai 2015)

[411] Org. Syn. 1999, #76, p. 6 - 11
Dongwei Cai, Joseph F. Payack, Dean R. Bender, David L. Hughes, Thomas R. Verhoeven and Paul J. Reider (Merck)
(checked by Rachel van Rijn and Amos B. Smith (III))
"(R)-(+)- and (S)-(-)-2,2'-Bis(Diphenylphosphino)-1,1'-Binaphthyl (BINAP)"
DOI:10.15227/orgsyn.076.0006
Inzwischen ist ein Addendum erschienen:
Org. Syn. 2014, #91, p. 1 - 11
David L. Hughes
"Discussion Addendum for …"
DOI: 10.15227/orgsyn.091.0001

[412] EurJOC 2001, #3, p. 477 - 481
Michael Kant, Stefan Bischoff, Rolf Siefken, Egon Gründemann and Angela Köckritz
"Synthesis and Characterization of 4- and 4,4'-Phosphorylated 2,2'-Bis(diphenylphosphanyl)-1,1'-binaphthyls"
DOI: 10.1002/1099-0690(200102)2001:3<477::AID-EJOC477>3.0.CO;2-3

[413] EP0235450 (A1)
1987-09-09
Okano Tamon, Shimano Yasunobu, Konishi Hisatoshi, Kiji Jitsuo, Fukuyama Keiichi, Kumobayashi Hidenori and Akutagawa Susmu
"Phosphine compounds for complex catalysts for asymmetric syntheses."

[414] EP0544455 (A1) 1993-06-02
Ishizaki Takerou and Kumobayashi Hidenori
"Water-soluble alkali metal sulfonate-substituted binaphthylphosphine transition metal complex and enantioselective hydrogenation method using it."

[415] Tet. Asy. 2004, #15-4, p. 639 - 645 (Vorschlag zur Regioselektivität)
Mikaël Berthod, Christine Saluzzo, Gérard Mignani and Marc Lemaire
"4,4' and 5,5'-DiamBINAP as a hydrosoluble chiral ligand: syntheses and use in Ru(II) asymmetric biphasic catalytic hydrogenation"
DOI: 10.1016/j.tetasy.2003.12.033

[416] a) die klassischen Publikationen von José Barluenga et. al.
Angew. 1985, #97-4, p. 341 - 342
José Barluenga, José M. González, Pedro J. Campos and Gregorio Asensio
"I(py)$_2$BF$_4$, ein neues Reagens: allgemeine Methode für die 1,2-Iodfunktionalisierung von Olefinen"
DOI: 10.1002/ange.19850970430
ACIE 1985, #24-4, p. 319 - 320
José Barluenga, José M. González, Pedro J. Campos and Gregorio Asensio
"I(py)$_2$BF$_4$, a New Reagent in Organic Synthesis: General Method for the 1,2-Iodofunctionalization of Olefins"
DOI: 10.1002/anie.198503191

b) JOC 1990, #55-10, p. 3104 - 3106
José Barluenga, Miguel A. Rodriguez and Pedro J. Campos
"Electrophilic Additions of Positive Iodine to Alkynes through an Iodonium Mechanism"
DOI: 10.1021/jo00297a027

c) die moderne Hg-freie Synthese
Org. Syn. 2010, #87, p. 288 - 298
Justin M. Chalker, Amber L. Thompson and Benjamin G. Davis; checked by Nilesh Zaware and Peter Wipf
"Safe And Scalable Preparation Of Barluenga’s Reagent (Bis(pyridine)iodonium(I) tetrafluoroborate)"
DOI: 10.15227/orgsyn.087.0288

[417] JOC 2005, #70-24, p. 10178 - 10181
Toyoshi Shimada, Masahiko Suda, Toyohiro Nagano and Kiyomi Kakiuchi
"Facile Preparation of a New BINAP-Based Building Block, 5,5'-DiiodoBINAP, and its Synthetic Application"
DOI: 10.1021/jo0517186

[418] JACS 1979, #101-11, p. 3035 - 3042
G. Dotsevi Yao Sogah and Donald J. Cram
"Host-Guest Complexation. 14. Host Covalently Bound to Polystyrene Resin for Chromatographic Resolution of Enantiomers of Amino Acid and Ester Salts"
DOI: 10.1021/ja00505a034

[419] JACS 1996, #118-29, p. 6841 - 6852 (S. 6842 unten links)
H.-J. Deussen, E. Hendrickx, C. Boutton, D. Krog, K. Clays, K. Bechgaard, A. Persoons and T. Bjørnholm
"Novel Chiral Bis-dipolar 6,6'-Disubstituted Binaphthol Derivatives for Second-Order Nonlinear Optics: Synthesis and Linear and Nonlinear Optical Properties"
DOI: 10.1021/ja960076o

[420] Jonas Schmidt
"Funktionalisierung von BINOL"
Bacherlorarbeit im AK Hey-Hawkins; 2012, Universität Leipzig

[421] JOC 1986, #51-5, p. 629 - 635
Hidemasa Takaya, Kazushi Mashima, Kinko Koyano, Misao Yagi, Hidenori Kumobayashi, Takanao Taketomi, Susumu Akutagawa and Ryoji Noyori
"Practical synthesis of (R)- or (S)-2,2'-bis(diarylphosphino)-1,1'-binaphthyls (BINAPs)"
DOI: 10.1021/jo00355a012

[422] Organic Syntheses 1951, #31, p. 29 - 31
Robert E. Buckles and Norris G. Wheeler
(checked by R. S. Schreiber, Wm. Bradley Reid (Jr.) and Robert W. Jackson)
"4,4'-Dibromobiphenyl"
DOI: 10.15227/orgsyn.031.0029

[423] a) JOC 1977, #42-14, p. 2426 - 2431
Michael P. Doyle, Bernard Siegfried and Joseph F. Dellaria Jr.
"Alkyl nitrite-metal halide deamination reactions. 2. Substitutive deamination of arylamines by alkyl nitrites and copper(II) halides. A direct and remarkably efficient conversion of arylamines to aryl halides"
DOI: 10.1021/jo00434a017

b) Inorg. Chem. 2010, #49-3, p. 796 - 804
Neus Vilà, Yu-Wu Zhong, Jay C. Henderson and Héctor D. Abruña
"Anthracene-Bridged Binuclear Ruthenium Complexes: Electrochemical and Spectroscopic Evidence of Electronic Communication Through the π System"
DOI: 10.1021/ic900100w

c) Org. Lett. 2005, #7-2, p. 323 - 326; (supporting info)
Seung Kyu Lee, Wen Jun Yang, Jin Joo Choi, Chang Ho Kim, Seung-Joon Jeon and Bong Rae Cho
"2,6-Bis[4-(p-dihexylaminostyryl)-styryl]anthracene Derivatives with Large Two-Photon Cross Sections"
DOI: 10.1021/ol047658s

d) Eine frühe Alternative findet sich hier (Nitrierung und anschließende Bromierung; m.p. mit 285 °C angegeben):
J. Chem. Soc. Transact. 1920, #117, p. 1001 - 1004
Surendra Nath Dhar
"Some nitro-derivatives of naphthalene and anthraquinone"
DOI: 10.1039/CT9201701001

[424] a) Chem. Comm. 2008, p. 1017 - 1019
Weibin Cui, Yubo Wu, Hongkun Tian, Yanhou Geng and Fosong Wang
"The first soluble conjugated poly(2,6-anthrylene): synthesis and properties"
DOI: 10.1039/B713463K

b) ACIE 2009, #48-49, p. 9300 - 9303 (+Supp; Achtung, hier kein Hypophosphit?!)
Khalid M. Omer, Sung-Yu Ku, Ken-Tsung Wong and Allen J. Bard
"Efficient and Stable Blue Electrogenerated Chemiluminescence of Fluorene-Substituted Aromatic Hydrocarbons"
DOI: 10.1002/anie.200904156
(Angew. 2009, #121-49, p. 9464 - 9467; dito, dito; 10.1002/ange.200904156)

c) sowie in etlichen Patenten zu finden, u.a.:
US 2008/0012006 A1; Bailey *et al.*; "Thin Film Transistor Comprising Novel Conductor And Dielectric Compositions"; p. 29 (pdf p. 37), Abschnitt [0160]

[425] Tetrahedron Letters, 2010, #51-17, p. 2225 - 2227
Takeo Nakai, Toshiyuki Iwai, Masatoshi Mihara, Takatoshi Ito and Takumi Mizuno
"Novel oxidation of toluenes catalyzed by reusable vanadyl(IV) sulfate under mild conditions with molecular oxygen"
DOI: 10.1016/j.tetlet.2010.02.069

[426] JOC 1974, #39-6, p. 770 - 774
Thomas R. Criswell and Bruce H. Klanderman
"Studies Related to the Conversion of 9,10-Anthraquinones to Anthracenes"
DOI: 10.1021/jo00920a006

[427] Phys. Chem. Chem. Phys. 2014, #16, p. 653 - 662
Hennie Valkenier, Constant M. Guédon, Troels Markussen, Kristian S. Thygesen, Sense J. van der Molen and Jan C. Hummelen
"Cross-conjugation and quantum interference: a general correlation?"
DOI: 10.1039/C3CP53866D

[428] Tet. Lett. 2011, #52-39, p. 5083 - 5085
Rambhoopal Kantam, Robin Holland, Bhanu Priya Khanna and Kevin D. Revell
"An optimized method for the synthesis of 2,6-diaminoanthracene"
DOI: 10.1016/j.tetlet.2011.07.106

[429] Polymer 1997, #38-13, p. 3395 - 3407 (hier S. 3398)
Michael A. Rabjohns, Philip Hedge and Peter A. Lovell
"Synthesis of aromatic polyamides containing anthracene units via a precursor polymer approach"
DOI: 10.1016/S0032-3861(96)00900-7

[430] a) Angew. 2010, #122-38, p. 7021 - 7024
Daniel Stern, Nils Finkelmeier, Kathrin Meindl, Julian Henn and Dietmar Stalke
"Schrittweiser Donorbasenaustausch in Anthracenyllithiumverbindungen"
DOI: 10.1002/ange.201002873
ACIE 2010, #49-38, p. 6869 - 6872
Daniel Stern, Nils Finkelmeier, Kathrin Meindl, Julian Henn and Dietmar Stalke
"Consecutive Donor-Base Exchange in Anthracenyllithium Compounds"
DOI: 10.1002/anie.201002873

b) Chem. Comm. 2011, #47-7, p. 2113 - 2115
Daniel Stern, Nils Finkelmeier and Dietmar Stalke
"Assessment of the LiX salt-effect in anthracenyl lithiums"
DOI: 10.1039/c0cc02772c

[431] $HBr + NaOH \longrightarrow NaBr + H_2O$
$(Br_2 + H_2O \longrightarrow HBr + HOBr)$
$Br_2 + NaHSO_3 + H_2O \longrightarrow 2\ Br^- + 2\ \text{"}H^{+}\text{"} + HSO_4^- + Na^+$
$Br_2 + Na_2S_2O_3 + H_2O \longrightarrow 2\ Br^- + 2\ Na^+ + 2\ \text{"}H^+\text{"} + SO_4^{2-} + S\downarrow$
$(S + 3\ Br_2 + 4\ H_2O \longrightarrow 6\ HBr + H_2SO_4)$

[432] Angew. 1986, #98-12, p. 1095 - 1099
Michael Grimm, Burkhard Kirste und Harry Kurreck
"^{13}C-ENDOR-Untersuchungeines organischen Tetraradikals im Quintettzustand; Synthese eines vierfach ^{13}C-markierten Tetrakisgalvinols"
DOI: 10.1002/ange.19860981208
ACIE 1986, #25-12, p. 1097 - 1098
Michael Grimm, Burkhard Kirste und Harry Kurreck
"^{13}C-ENDOR Investigation of an Organic Tetraradical in the Quintet State; Synthesis of a Fourfold ^{13}C-Labeled Tetrakisgalvinol"
DOI: 10.1002/anie.198610971

[433] Spectrochimica Acta Part A: Molecular Spectroscopy 1972, #28-2, p. 197 - 210
P. N. Preston, L. H. Sutcliffe and B. Taylor
"NMR investigation of tetraphenyl-, vinyltriphenyl-, azidotriphenyl- and dihalodiphenyl-derivatives of fourth main group elements"
DOI: 10.1016/0584-8539(72)80247-2

[434] CN100340558 (C) 03. Okt. 2007 / CN1785998 (A)
Liu Fusheng Sun
"N,N-dipyridyl 3,4,9,10-tetraformyl diimine derirative and its synthesis method"

[435] Bioorg. & Med. Chem. 2007, #15-1, p. 555 - 562
Claudia Sissi, Lorena Lucatello, A. Paul Krapcho, David J. Maloney, Matthew B. Boxer, Maria V. Camarasa, Gabriella Pezzoni, Ernesto Menta and Manlio Palumbo
"Tri-, tetra- and heptacyclic perylene analogues as new potential antineoplastic agents based on DNA telomerase inhibition"
DOI: 10.1016/j.bmc.2006.09.029

[436] Synth. Comm. 1989, #19-11/12, p. 1885 - 1889
Shih-Ying Hsu and Long Y. Chiang
"Efficient Reduction Of Aromatic Bis-Imides To Their Amine Derivatives"
DOI: 10.1080/00397918908052579

[437] Tet. Lett. 2007, #48-3, p. 357 - 359 (+Supp.)
Masaki Takahashi, Yousuke Suzuki, Yasunori Ichihashi, Mitsuji Yamashita and Hideki Kawai
"1,3,8,10-Tetrahydro-2,9-diazadibenzo[*cd,lm*]perylenes: Synthesis of reduced perylene bisimide analogues"
DOI: 10.1016/j.tetlet.2006.11.100

[438] Chem. Comm. 2005, p. 2172 - 2174
David N. Coventry, Andrei S. Batsanov, Andrés E. Goeta, Judith A. K. Howard, Todd B. Marder and Robin N. Perutz
"Selective Ir-catalysed borylation of polycyclic aromatic hydrocarbons: structures of naphthalene-2,6-bis(boronate), pyrene-2,7-bis(boronate) and perylene-2,5,8,11-tetra(boronate) esters"
DOI: 10.1039/B501778E

[439] Tet. Lett. 2013, #54-40, p. 5514 - 5517 (+ Suppl.)
Koichi Kodama, Akinori Kobayashi and Takuji Hirose
"Synthesis and spectral properties of ruthenium(II) complexes based on 2,2'-bipyridines modified by a perylene chromophore"
DOI: 10.1016/j.tetlet.2013.07.150

[440] Chem. Comm. 2008, p. 6594 - 6596 (+ Suppl.)
Zachary B. Hill, Deanna B. Rodovsky, Janelle M. Leger and Glenn P. Bartholomew
"Synthesis and utilization of perylene-based *n*-type small molecules in light-emitting electrochemical cells"
DOI: 10.1039/b814913e

[441] Inorg. Chim. Acta 1991, #186-1, p. 51 - 60
William Clegg, Dale R. Harbron, Christopher D. Homan, Paul A. Hunt, Ian R. Little and Brian P. Straughan
"Crystal structures of three basic zinc carboxylates together with infrared and FAB mass spectrometry studies in solution"
DOI: 10.1016/S0020-1693(00)87930-X

[442] Monatshefte 1912, #33-3, p. 235 - 251
Ernst Späth
"Über die Einwirkung von Essigssäureanhydrid auf Nitrate"
DOI: 10.1007/BF01519254

[443] Compt. rend. 1924 (01-06), #178, p. 1546 - 1548
Mr. V. Auger and Ms. I. Robin (präsentiert / verlesen durch Mr. G. Urbain)
Chimie Minérale: "Sur un acétate basique de zinc analogue à l'acétate de glucinium"
http://gallica.bnf.fr/ark:/12148/bpt6k3131z/f1546.image (bislang nicht als OCR verfügbar)
allg. Übersicht Compt. Rend. http://gallica.bnf.fr/ark:/12148/cb343481087/date

[444] ZAAC 1959, #301_5-6, p. 267 - 270
Horst-Dietrich Hardt and Fritz Stavenow
"Über Zink-oxy-acetat"
DOI: 10.1002/zaac.1959301050

[445] Ind. Eng. Chem. Res. 2012, #51-50, p. 16165 - 16170
Elisenda Reixach, Robert M. Haak, Stefan Wershofen and Anton Vidal-Ferran
"Alkoxycarbonylation of Industrially Relevant Anilines Using Zn4O(O2CCH3)6 as Catalyst"
DOI: 10.1021/ie301315k

[446] Can. J. Chem. 1983, #61-6, p. 1218 - 1221; kostenfrei zugänglich
Rhianydd M. Gordon and Howard B. Silver
"Preparation and properties of tetrazinc μ_4-oxohexa-µ-carboxylates (basic zinc carboxylates)"
DOI: 10.1139/v83-217

[447] Inorg. Synth. 1966, #8, p. 125 - 129
L. R. Ocone and B. P. Block
(checked by James P. Collman and David A. Buckingham)
"Anyhdrous Chromium(II) Acetate, Chromium(II) Acetate 1-Hydrate, and Bis(2,4-Pentanedionato)chromium(II)"
DOI: 10.1002/9780470132395.ch33

[448] Georg Brauer (Editor) und Mitautoren (Cr/Mo/W: S. Herzog, K. Gustav, J. Strähle)
"Handbuch der präparativen anorganischen Chemie", Band 3
Chrom(II)-actetat; $[Cr_2(OAc)_4(H_2O)_2]$ S. 1511 - 1512
Molybdän(II)-chorid; $[Mo_6Cl_8]Cl_4$ inkl. vorbereitender Schritte ($MoCl_3$) S. 1530 - 1533
$CrCl_2$ aus Cr^0_{met} und HCl S. 1478 - 1480
Cr^{2+} anderweitig bzw. auch per Jones-Reduktor S. 1509 - 1511
Verlag Ferdinand Enke, Stuttgart 1981
ISBN 3-432-87823-0, 3. Auflage

[449] a) Inorg. Synth. 1950, #3, p. 148 - 150
M. R. Hatfield, Helen Matheson and Jacob Kleinberg
"Chromium(II) Acetate (Chromous Acetate)"
DOI: 10.1002/9780470132340.ch39

b) Inorg. Synth. 1950, #3, p. 150 - 153
Anton B. Burg, Ralph C. Young and Chauncy Starr
"Anhydrous Chromium(II) Chloride (Chromous Chloride)"
DOI: 10.1002/9780470132340.ch40

[450] J. Chem. Edu. 1985, #62-5, p. 444 - 445
John C. Reeve
"A simple homogeneous precipitation preparation of chromium(II) acetate"
DOI: 10.1021/ed062p444

[451] Chem. Commun. 1999, p. 643 - 644
Frank E. Mabbs, Eric J. L. McInnes, Mark Murrie, Simon Parsons, Graham M. Smith, Chick C. Wilson and Richard E. P. Winpenny
"Characterisation of a dodecanuclear chromium(III) cage with an S = 6 ground state"
DOI: 10.1039/A900023B

[452] Polyhedron, 2002, #21-2, p. 155 - 165
April C. Royer, Robin D. Rogers, David L. Arrington, Shane C. Street and John B. Vincent
"Spectroscopic studies of the dodecanuclear chromium complex $Cr_{12}O_9(OH)_3(pivalate)_{15}$: confirmation of the presence of twelve Cr(III) centers and the crystal structure of $Cr_{12}O_9(OH)_3(pivalate)_{15} \cdot 2\ PrOH \cdot 9\ H_2O$"
DOI: 10.1016/S0277-5387(01)00955-X (10.5517/cc5jghm)

[453] Chem. A Eur. J. 2003, #9-20, p. 5142 - 5161
Guillem Aromí, Andrei S. Batsanov, Paul Christian, Madeleine Helliwell, Andrew Parkin, Simon Parsons, Andrew A. Smith, Grigore A. Timco and Richard E. P. Winpenny
"Synthetic and Structural Studies of Cobalt-Pivalate Complexes"
DOI: 10.1002/chem.200304993

[454] Liebigs Ann. Chem. 1873, #169-3, p. 344 - 359
L. Paul Liechti and Bernhard Kempe
"Ueber die Chloride des Molybdäns"
DOI: 10.1002/jlac.18731690303

[455] ZAAC 1923, #130-1, p. 209 - 228
Kurt Lindner, Emma Haller and Herbert Helwig
"Über die Chloride des zweiwertigen Molybdäns, Wolframs und Tantals. II. Mitteilung. Das 3-Molybdän-6-chlorid und seine Derivate"
DOI: 10.1002/zaac.19231300122

[456] JACS 2000, #122-26, p. 6293 - 6294
Samuel M-F. Lo, Stephen S-Y. Chui, Lai-Yung Shek, Zhenyang Lin, Xi Xiang Zhang, Ge-hei Wen and Ian D. Williams
"Solvothermal Synthesis of a Stable Coordination Polymer with Copper-I-Copper-II Dimer Units: $[Cu_4\{1,4\text{-}C_6H_4(COO)_2\}_3(4,4'\text{-bipy})_2]_n$"
DOI: 10.1021/ja000416c

[457] *Metallacetate*
J. of Thermal Analysis 1991, #37-5, p. 1015 - 1023
M. Afzal, P. K. Butt and H. Ahmad
"Kinetics of thermal decomposition of metal acetates"
DOI: 10.1007/BF01932799
(Untersucht wurden $Mg(OAc)_2 \times 4\ H_2O$, $Ni(OAc)_2 \times 4\ H_2O$, $Cu_2(OAc)_4 \times 2\ H_2O$, $Mn(OAc)_2 \times 4\ H_2O$, $Ba(OAc)_2$ und $NaOAc \times 3\ H_2O$.)

Metallnitrate, wasserfrei
Eine breite Zusammenfassung gibt Kurt Stern:
J. Phys. Chem. Ref. Data 1972, #1-3, p. 747 - 772
Kurt H. Stern
"High Temperature Properties and Decomposition of Inorganic Salts Part 3, Nitrates and Nitrites"
DOI: 10.1063/1.3253104
Untersucht bzw. beschrieben: Nitrate von Al^{3+}, Ba^{2+} (auch Nitrit), Be^{+2}, (Bi^{3+}), Cd^{2+} (auch Nitrit), Ca^{2+}, Cs^+ (auch $CsNO_2$), Cr^{3+}, Co^{2+}, Cu^{2+}, Ga^{2+}, Au^{3+}, (Hf^{4+} ($Hf(NO_3)_4 \times N_2O_5$)), In^{3+}, (Fe^{3+}), Pb^{2+} (auch Nitrit), Li^+ (auch $LiNO_2$), Mg^{2+}, Mn^{2+}, Hg^{2+}, Ni^{2+} (auch Nitrit), Pd^{2+} (auch Verweis auf Nitrit), (Po^{4+}), K^+ (auch KNO_2), Ra^{2+}, Nitrite von RE^{3+} (La, Pr, Nd, Sm, Dy, Yb), Nitrate der RE^{3+} (La, Nd, Dy, Yb, Lu), Rb^+ (auch Nitrit), Sc^{3+}, Ag^+ (auch Nitrit), Na^+ (ebenfalls mit Nitrit), Sr^{2+} (und Nitrit), Th^+ (Verweis auf Nitrit), Sn^{4+}, Ti^{4+}, Zn^{2+} und Zr^{4+}.

Metallnitrate mit Kristallwasser
J. of Thermal Analysis and Calorimetry 2015, #119-2, p. 1053 - 1061 (kostenfrei zugänglich)
Barbara Małecka, Agnieszka Łącz, Ewa Drożdż and Andrzej Małecki
"Thermal decomposition of d-metal nitrates supported on alumina"
DOI: 10.1007/s10973-014-4262-9
Untersucht: Nitrate von Ni^{2+}, Co^{2+}, Zn^{2+}, Cu^{2+}, Mn^{2+} (alle mit Kristallwasser)

[458] Inorg. Chem. 1999, #38-20, p. 4608 - 4611
Jack Y. Lu, Brenda R. Cabrera, Ru-Ji Wang and Jing Li
"Cu-X-bpy (X = Cl, Br; bpy = 4,4'-bipyridine) Coordination Polymers: The Stoichiometric Control and Structural Relations of [Cu_2X_2(bpy)] and [CuBr(bpy)]"
DOI: 10.1021/ic990536p

[459] a) https://de.wikipedia.org/wiki/DMSO
Abschnitt "chemische Eigenschaften", explosionsartige Zersetzung von DMSO, katalysierte Zersetzung, DMSO und Metallnitrate / -perchlorate und andere (Stand Okt 2015)
b) eigene Erfahrungen bei DMSO-bezogenen Unfällen von Kollegen im Labor

[460] Persönliche Gespräche / Korrespondenz mit Alexandr Vinogradov. Er bestätigte auch bei seinen Untersuchungen in St. Petersburg (ITMO) ein solches Verhalten.

[461] Zusätzlich zu den bei[457] genannten Schriften hier speziell für das System $Mn(NO_3)_2$

a) https://de.wikipedia.org/wiki/Mangan(II)-nitrat
Die Wikipedia bezieht sich in ihrer Angabe von 140 °C auf die GESTIS-Datenbank, die jedoch auch nur eine eher vage Angabe zur Substanz macht, und dabei auch die Kristallwassergehalte nicht explizit einbezieht.

b) Thermochimica Acta 1971, #2-5, p. 405 - 412
P. K. Gallagher, F. Schrey and B. Prescott
"The thermal decomposition of aqueous manganese (II) nitrate solution"
DOI: 10.1016/0040-6031(71)85016-5

c1) Eine vierteilige Veröffentlichung zu $Mn(NO_3)_2$:
Thermochimica Acta 1981, #45-3, p. 265 - 278
T. J. W. De Bruijn, W. A. De Jong and P. J. Van Den Berg
"Thermal decomposition of aqueous manganese nitrate solutions and anhydrous manganese nitrate. Part 1. Mechanism"
DOI: 10.1016/0040-6031(81)85087-3

c2) Thermochimica Acta 1981, #45-3, p. 279 - 292
T. J. W. De Bruijn, G. M. J. De Ruiter, W. A. De Jong and P. J. Van Den Berg
"Thermal decomposition of aqueous manganese nitrate solutions and anhydrous manganese nitrate. Part 2. Heats of reaction"
DOI: 10.1016/0040-6031(81)85088-5

c3) Thermochimica Acta 1981, #45-3, p. 293 - 303
T. J. W. De Bruijn, A. N. Ipekoğlu, W. A. De Jong and P. J. Van Den Berg
"Thermal decomposition of aqueous manganese nitrate solutions and anhydrous manganese nitrate. Part 3. Isothermal kinetics"
DOI: 10.1016/0040-6031(81)85089-7

c4) Thermochimica Acta 1981, #45-3, p. 305 - 314
T. J. W. De Bruijn, A. N. Ipekoğlu, W. A. de Jong and P. J. Van Den Berg
"Thermal decomposition of aqueous manganese nitrate solutions and anhydrous manganese nitrate. Part 4. Non-isothermal kinetics"
DOI: 10.1016/0040-6031(81)85090-3

d) Thermochimica Acta 1992, #196-2, p. 503 - 509
J. Pelovski, O. Matova and St. Shoumkov
"Thermal decomposition of aqueous solutions of manganese(II) nitrate"
DOI: 10.1016/0040-6031(92)80112-A

[462] JACS 1976, #98-21, p. 6729 - 6731 (S. 6731 oben links)
Shigeru Baba and Ei-Ichi Negishi

"A novel stereospecific alkenyl-alkenyl cross-coupling by a palladium- or nickel-catalyzed reaction of alkenylalanes with alkenyl halides"
DOI: 10.1021/ja00437a067

[463] Chem. Comm. 1976, p. 596b - 967b (S. 597b unten rechts)
Ei-ichi Negishi and Shigeru Baba
"Novel stereoselective alkenyl-aryl coupling via nickel-catalysed reaction of alkenylanes with aryl halides"
DOI: 10.1039/C3976000596B

[464] Tet. Lett. 1979, #20-36, p. 3437 - 3440
Norio Miyaura, Kinji Yamada and Akira Suzuki
"A new stereospecific cross-coupling by the palladium-catalyzed reaction of 1-alkenylboranes with 1-alkenyl or 1-alkynyl halides"
DOI: 10.1016/S0040-4039(01)95429-2

[465] Synth. Commun. 1981, #11-7, p. 513 - 519
Noyori Miyaura, Teiji Yanagi and Akira Suzuki
"The Palladium-Catalyzed Cross-Coupling Reaction of Phenylboronic Acid with Haloarenes in the Presence of Bases"
DOI:10.1080/00397918108063618

[466] Nachr. 2002, #50-10, p. 1122 - 1127
Valentin Wittmann
"Neues von der Suzuki-Reaktion"
DOI: 10.1002/nadc.20020501016
(http://kops.uni-konstanz.de/handle/123456789/9612 freiheitlich zugänglich; CC-BY-NC-ND 2.0)

[467] a) Christoph Elschenbroich
"Organometallchemie" 6. Auflage
S. 603 ff.

b) Reinhard Brückner
"Reaktionsmechanismen …"
3 Auflage, S. 701 ff.
Elsevier, München 2004, ISBN 3-8274-1579-9

[468] JACS 2011, #133-7, p. 2116 - 2119
Brad P. Carrow and John F. Hartwig
"Distinguishing Between Pathways for Transmetalation in Suzuki-Miyaura Reactions"
DOI: 10.1021/ja1108326

[469] Chem. Soc. Rev. 2014, #43, p. 412 - 443 (freiheitlich zugänglich CC-BY-Lizenz)
Alastair J. J. Lennox and Guy C. Lloyd-Jones
"Selection of boron reagents for Suzuki-Miyaura coupling"
DOI: 10.1039/c3cs60197h
(Nomenklatur S. 414 oben.)
(Boroxine als aromatische Grenzstruktur S. 422 oben links.)

[470] Chem. Rev. 1995, #95-7, p. 2457 - 2483
Norio Miyaura and Akira Suzuki
"Palladium-Catalyzed Cross-Coupling Reactions of Organoboron Compounds"
DOI: 10.1021/cr00039a007
(Gleichgewicht cis ↔ trans S. 2461 Gln. 24)
(Aminbase und Produktselektivität S. 2461 Tab. 1, unten rechts)
(Aminbase und Halo-en-one / Alkenylboronat S. 2464 oben bis Mitte, links)

[471] Cat. Comm. 2015, #58-5, p. 154 - 157
Man Wang, Xiaobin Yuan, Hongyu Li, Limin Ren, Zhizhong Sun, Yanjun Hou and Wenyi Chu
"Nickel-catalysed Suzuki-Miyaura cross-coupling reactions of aryl halides with arylboronic acids in ionic liquids"
DOI: 10.1016/j.catcom.2014.08.037

[472] Organometallics 1992, #11-9, p. 3009 - 3013
Christian Amatore, Anny Jutand and Mohamed Amine M'Barki
"Evidence of the formation of zerovalent palladium from $Pd(OAc)_2$ and triphenylphosphine"
DOI: 10.1021/om00045a012

[473] Chem. Soc. Rev. 2013, #42, p5270 - 5298
Fu-She Han
"Transition-metal-catalyzed Suzuki-Miyaura cross-coupling reactions: a remarkable advance from palladium to nickel catalysts"
DOI: 10.1039/C3CS35521G
(Bei den Nickel-gestützten Kupplungen scheint sich besonders [$NiCl_2$(dppp)] hervorzutun.)

[474] a) Angew. 2003, #115-12, p. 1445 - 1447
Nicholas E. Leadbeater and Maria Marco
"Transition-Metal-Free Suzuki-Type Coupling Reactions"
DOI: 10.1002/ange.200390334
und Cover
(ACIE 2003, #42-12, p. 1407 - 1409 (kostenfrei zugänglich); dito, dito; DOI: 10.1002/anie.200390362)
und Cover der ACIE 12/2003 (#42-12, p. 1319)

b) JOC 2003, #68-14, p. 5660 - 5667
Nicholas E. Leadbeater and Maria Marco
"Transition-Metal-Free Suzuki-Type Coupling Reactions: Scope and Limitations of the Methodology"
DOI: 10.1021/jo034230i

[475] Haraldur Gunnar Guðmundsson
"The Suzuki-Miyaura Reaction And Boron Reagents - Mechanism, Synthesis And Application"
http://anderson.chem.ox.ac.uk/files/reviews/hg-tt14-suzuki-boron.pdf
http://anderson.chem.ox.ac.uk/group.html
(Stand Sept. 2015)

[476] JOC 1998, #63-3, p. 458 - 460
Brian H. Ridgway and Keith A. Woerpel
"Transmetalation of Alkylboranes to Palladium in the Suzuki Coupling Reaction Proceeds with Retention of Stereochemistry"
DOI: 10.1021/jo970803d

[477] Appl. OMC 2011, #25-11, p. 283 - 288
Pankaj Das, Chandan Sarmah, Archana Tairai and Utpal Bora
"Highly efficient amine-based catalytic system for room temperature Suzuki-Miyaura reactions of aryl halides with arylboronic acids"
DOI: 10.1002/aoc.1755

[478] ACIE 2013, #52-29, p. 7362 - 7370 (Angew. Minireviews)
Alastair J. J. Lennox and Guy C. Lloyd-Jones
"Transmetalation in the Suzuki-Miyaura Coupling: The Fork in the Trail"
DOI: 10.1002/anie.201301737
Angew. 2013, #125-29, p. p. 7506 - 7515 (Angew. Minireviews)
dito
"Transmetallierung in der Suzuki-Miyaura-Kupplung: Gabelung des Reaktionsverlaufs"
DOI: 10.1002/ange.201301737

[479] JACS 2002, #124-46, p. 13662 - 13663
Jan H. Kirchhoff, Matthew R. Netherton, Ivory D. Hills and Gregory C. Fu
"Boronic Acids: New Coupling Partners in Room-Temperature Suzuki Reactions of Alkyl Bromides. Crystallographic Characterization of an Oxidative-Addition Adduct Generated under Remarkably Mild Conditions."
DOI: 10.1021/ja0283899

[480] Christian Amatore, Anny Jutand and Gaëtan Le Duc
"The Triple Role of Fluoride Ions in Palladium-Catalyzed Suzuki-Miyaura Reactions: Unprecedented Transmetalation from [$ArPdFL_2$] Complexes"
DOI: 10.1002/anie.201107202
(Angew. 2012, #124-6, p. 1408 - 1411; dito, dito; DOI: 10.1002/ange.201107202)

[481] Nobel Lecture 2010, December 8, p. 206 - 235 (Deboronierung S. 216, Abschnitt Kupplung mit ster. Hinderung oder EWG)
Akira Suzuki
"Cross-Coupling Reactions of Organoboranes: An Easy Way for C-C Bonding"
http://www.nobelprize.org/nobel_prizes/chemistry/laureates/2010/suzuki-bio.html
http://www.nobelprize.org/nobel_prizes/chemistry/laureates/2010/suzuki-lecture.html
(Stand April 2015)

[482] Reculeil 1965, #84-4, p. 439 - 440 (*via* Subito)
F. C. Fischer and Egbertus Havinga
"Pyridineboronic Acids"
DOI: 10.1002/recl.19650840407

[483] Reculeil 1974, #93-1, p. 21 - 24 (*via* Subito)
F. C. Fischer and Egbertus Havinga
"Thermal and photoinduced deboronations of some pyridine- and benzeneboronate anions"
DOI: 10.1002/recl.19740930110

[484] JACS 1961, #83-9, p. 2159 - 2163
Henry G. Kuivila and K. V. Nahabedian
"Electrophilic Displacement Reactions. X. General Acid Catalysis in the Protodeboronation of Areneboronic Acids"
DOI: 10.1021/ja01470a028

[485] Can. J. Chem. 1963, #41-12 p. 3081 - 3090 (kostenfrei zugänglich)
Henry G. Kuivila, Joseph F. Reuwer (Jr.) and John A. Mangravite
"Electrophilic Displacement Reactions: XV. Kinetics And Mechanism Of The Base-Catalyzed Protodeboronation Of Areneboronic Acids"
DOI: 10.1139/v63-451

[486] JACS 1964, #86-13, p. 2666 - 2670
Henry G. Kuivila, Joseph F. Reuwer (Jr.) and John A. Mangravite
"Electrophilic Displacement Reactions. XVI. Metal Ion Catalysis in the Protodeboronation of Areneboronic Acids"
DOI: 10.1021/ja01067a031

[487] Org. Lett. 2006, #8-18, p. 4071 - 4074
Andrew N. Cammidge, Victoria H. M. Goddard, Hemant Gopee, Nicola L. Harrison, David L. Hughes, Christopher J. Schubert, Benjamin M. Sutton, Gary L. Watts and Andrew J. Whitehead
"Aryl Trihydroxyborates: Easily Isolated Discrete Species Convenient for Direct Application in Coupling Reactions"
DOI: 10.1021/ol061564w
(siehe auch CIF-file in den supplementary informations)

[488] JOC 2014, #79-11, p. 5365 - 5368
Jerome Lozada, Zhibo Liu and David M. Perrin
"Base-Promoted Protodeboronation of 2,6-Disubstituted Arylboronic Acids"
DOI: 10.1021/jo500734z

[489] JOC 2014, #79-16, p. 7277 - 7285
Su-Jin Ahn, Chun-Young Lee, Nak-Kyoon Kim and Cheol-Hong Cheon
"Metal-Free Protodeboronation of Electron-Rich Arene Boronic Acids and Its Application to ortho-Functionalization of Electron-Rich Arenes Using a Boronic Acid as a Blocking Group"
DOI: 10.1021/jo500780b

[490] Org. Biomol. Chem. 2015, #13, p. 2555 - 2560 (freiheitlich zugänglich CC-BY-NC v3)
Gary Noonan and Andrew G. Leach
"A mechanistic proposal for the protodeboronation of neat boronic acids: boronic acid mediated reaction in the solid state"
DOI: 10.1039/C4OB02543A

[491] JACS 2006, #128-21, p. 6829 - 6836
Carlo Adamo, Christian Amatore, Ilaria Ciofini, Anny Jutand and Hakim Lakmini
"Mechanism of the Palladium-Catalyzed Homocoupling of Arylboronic Acids: Key Involvement of a Palladium Peroxo Complex"
DOI: 10.1021/ja0569959

[492] Synth. Comm. 2003, #33-6, p. 1057 - 1065
Ahmad Shaabani, Fatemeh Teimouri and Donald G. Lee
"Ion Exchange Catalysis in Oxidation of Organic Compounds with $KMnO_4$"
DOI: 10.1081/SCC-120016369

[493] Tet. Lett. 2005, #46-30, p. 4957 - 4960
Monika Gupta, Satya Paul, Rajive Gupta and André Loupy
"ZnO: a versatile agent for benzylic oxidations"
DOI: 10.1016/j.tetlet.2005.05.104

[494] Org. Lett. 2006, #8-2, p. 305 - 307
Xiao-jun Wang, Xiufeng Sun, Li Zhang, Yibo Xu, Dhileepkumar Krishnamurthy and Chris H. Senanayake
"Noncryogenic I/Br-Mg Exchange of Aromatic Halides Bearing Sensitive Functional Groups Using i-PrMgCl-Bis[2-(N,N-dimethylamino)ethyl] Ether Complexes"
DOI: 10.1021/ol052704p

[495] http://charette.corg.umontreal.ca/resume/EROS-ABC/Tetrabutylammonium_bromide.pdf
(Stand: April 2015)

[496] a) JACS 1971, #93-1, p. 195 - 199
Charles M. Starks
"Phase-transfer catalysis. I. Heterogeneous reactions involving anion transfer by quaternary ammonium and phosphonium salts"
DOI: 10.1021/ja00730a033

b) JACS 1975, #97-9, p. 2345 - 2349
Arthur W. Herriott and Donald Picker
"Phase transfer catalysis. Evaluation of catalysis"
DOI: 10.1021/ja00842a006

c) Pure and Applied Chemistry 2000, #72-7, p. 1399 - 1403
Mieczyslaw Makosza
"Phase-transfer catalysis. A general green methodology in organic synthesis"
DOI: 10.1351/pac200072071399
http://www.iupac.org/publications/pac/72/7/1399/ (hier kostenfrei zugänglich, Stand Okt. 2015)

[497] Tetrah. 2009, #65, p. 707 - 739
Sukalyan Dash, Sabita Patel and Bijay K. Mishra
"Oxidation by permanganate: synthetic and mechanistic aspects"
DOI: 10.1016/j.tet.2008.10.038

[498] IOSR-JAC 2014, #7-6, p. 16 - 27, speziell S. 21, Abschnitt D; kostenfrei zugänglich
Mukul Chauhan
"Permanganate Oxidation mechanisms of Alkylarenes"
DOI: 10.9790/5736-07611627

[499] Inorg. Chem. 1997, #36-10, p. 2069 - 2078
Kimberly A. Gardner, Linda L. Kuehnert and James M. Mayer
"Hydrogen Atom Abstraction by Permanganate: Oxidations of Arylalkanes in Organic Solvents"
DOI: 10.1021/ic961297y

[500] a) Poly. Int. 1994, #35-1, p. 67 -74
W. J. Feast and J. Tsibouklis
"The Self-Condensation of 4-Bromopyridine"
DOI: 10.1002/pi.1994.210350107

b) eigene Erfahrungen

[501] JACS 1952, #74-24 p. 6289 - 6290
Arthur Murray (III) and Wright H. Langham
"A synthesis of isonicotinic acid by halogen-metal exchange and its application to the preparation of isonicotinic-C^{14} acid hydrazide"
DOI: 10.1021/ja01144a515

[502] J. Poly. Sci. C Sym., 1967, #16-1, p. 369 - 375
A. A. Berlin and E. F. Razvodovskii
"Synthesis of Polymers with Charged Heteroatoms in the Chain by the "Onium Polymerization" Method"
DOI: 10.1002/polc.5070160133

[503] http://www.chemgapedia.de/vsengine/vlu/vsc/de/ch/12/oc/vlu_organik/heterocyclen/arom_gessaet_heterocyclen.vlu/Page/vsc/de/ch/12/oc/heterocyclen/sechsringaromat/sechsring_aromat.vscml.html (Stand März 2015)

[504] Tet. Lett. 2002, #43-23, p. 4285 - 4287 (speziell S. 4285 unten rechts)
Dongwei Cai, Robert D. Larsen and Paul J. Reider
"Effective lithiation of 3-bromopyridine: synthesis of 3-pyridine boronic acid and variously 3-substituted pyridines"
DOI: 10.1016/S0040-4039(02)00776-1

[505] siehe [363]
Anm.: Miki Murata später auch bei Buchwald (Postdoc). Ishiyama und Murata halten zur Zeit Professuren in Japan.
Zuvor (1994) gelang es bereits, B_2Pin_2 an Dreifachbindungen via $[Pt(PPh_3)_4]$ zu addieren[506].

[506] Liebigs Annalen der Chemie 1994, #1994-8, p. 827 - 830
Philip Kraft and Werner Tochtermann
"Synthesis of Medium and Large Ring Compounds, XXXVII. Synthesis and Olfactory Properties of (Z)-5,6-Dimethylcyclododec-5-en-1-one and (Z)-(±)-5,6-Dimethylcyclododec-5-en-1-ol"
DOI: 10.1002/jlac.199419940811

[507] Chemistry Letters 1983, #12-6, p. 927 - 928 (kostenfrei zugänglich)
Masanori Kosugi, Masayuki Kameyama and Toshihiko Migita
"Palladium-Catalyzed Aromatic Amination of Aryl Bromides with N,N-Di-Ethylamino-Tributyltin"
DOI: 10.1246/cl.1983.927

[508] a) JACS 1994, #116-13, p. 5969 - 5970
Frederic Paul, Joe Patt and John F. Hartwig
"Palladium-catalyzed formation of carbon-nitrogen bonds. Reaction intermediates and catalyst improvements in the hetero cross-coupling of aryl halides and tin amides"
DOI: 10.1021/ja00092a058

b) JACS 1994, #116-17, p. 7901 - 7902
Anil S. Guram and Stephen L. Buchwald
"Palladium-Catalyzed Aromatic Aminations with in situ Generated Aminostannanes"
DOI: 10.1021/ja00096a059

c) Nature Protocols 2007, #2, p. 2881 - 2887
Ryan A. Altman, Brett P. Fors and Stephen L. Buchwald
"Pd-catalyzed amination reactions of aryl halides using bulky biarylmonophosphine ligands"
DOI: 10.1038/nprot.2007.414

[509] Bioorg. & Med. Chem. Lett. 2009, #19-7, p. 1879 - 1882
Hannes Koolman, Timo Heinrich, Henning Böttcher, Wilfried Rautenberg and Michael Reggelin
"Syntheses of novel 2,3-diaryl-substituted 5-cyano-4-azaindoles exhibiting c-Met inhibition activity"
DOI: 10.1016/j.bmcl.2009.02.069

[510] Ich bin mir ziemlich sicher, zu einem frühen Zeitpunkt meiner Arbeiten noch eine weitere Möglichkeit zur Synthese von 4-Pyridylboronsäure in der Literatur erspäht zu haben. Soweit mich meine Erinnerung nicht trügt, beinhaltete diese jedoch einen Schritt mit Quecksilber, was ich vermeiden wollte. Ich konnte dieser Schrift jedoch später beim besten Willen nicht mehr habhaft werden. Ich vermute stark, daß ich sie via Reaxys entdeckt hatte, jedoch strich das Land / die Universität / die Universtitätsbibliothek die Gelder für die Nutzung derartiger Medien, bzw. Verzeichnisse und Suchdienste zusammen, so daß wir (u.a.) den Zugang zu Reaxys abschafften. Siehe dazu auch einen aktuellen Artikel in den Nachrichten aus der Chemie.[511]

[511] Nachr. 2015, #63, p. 1086 - 1088
Dominik Dworschak, Silke Tesch and Uwe Böhme
"Viele Quellen anzapfen"
bzw. auch
https://www.openpetition.de/petition/online/rettet-die-datenbanken-der-universitaetsbibliothek-leipzig-wissenschaft-braucht-zugang-zu-aktuellen
(Stand Okt. 2015)

[512] a) Heterocycles 2002, #57-5, p. 787 - 790 (*via* Subito)
Yuji Tokunaga, Hiroki Ueno, Youji Shimomura and Toshihiro Seo
"Formation of Boroxine: Its Stability and Thermodynamic Parameters in Solution"
DOI: 10.3987/COM-02-9464 (z.Z. nur über den Subito-Lieferdienst, Stand Mai 2015)

b) Analytical Sciences 2002, #18-3, p. 363 - 366; kostenfrei zugänglich
T. M. B. Islam, K. Yoshino, H. Nomura, T. Mizuno and A. Sasane
"^{1}H and ^{11}B NMR Study of p-Toluene Boronic Acid and Anhydride"
DOI: 10.2116/analsci.18.363

[513] Pure and Applied Chemistry 2006, #78-7, p. 1305 - 1321
Kenneth E. Maly, Nadia Malek, Jean-Hugues Fournier, Patricia Rodriguez-Cuamatzi, Thierry Maris and James D. Wuest
"Engineering crystals built from molecules containing boron"
DOI: 10.1351/pac200678071305
http://www.iupac.org/publications/pac/78/7/1305/ (hier kostenfrei zugänglich, Stand April 2015)

[514] Chem. Soc. Rev. 2015, #44, p. 8097 - 8123
Daojin Li, Yang Chena and Zhen Liu
"Boronate affinity materials for separation and molecular recognition: structure, properties and applications"
DOI: 10.1039/C5CS00013K

[515] Bruker Almanac 2009 ("der Bruker-Kalender")
www.bruker.com

[516] a) JCS Chem. Comm. 1985, p. 1310 - 1311
A. Guy Orpen and Neil G. Connelly
"Structural evidence for the participation of P-X σ* orbitals in metal-PX_3 bonding"
DOI: 10.1039/C39850001310

b) Organomet. 1990, #9-4, p. 1206 - 1210
A. Guy Orpen and Neil G. Connelly
"Structural Systematics: Role of P-A σ*-Orbitals in Metal-Phosphorus π-Bonding in Redox-Related Pairs of M-PA_3 Complexes (A = R, Ar, OR; R = Alkyl)"
DOI: 10.1021/om00118a048

c) Chem. Rev. 1994, #94-5, p. 1339 - 1374; speziell ab S. 1354
Declan G. Gilheany
"No d Orbitals but Walsh Diagrams and Maybe Banana Bonds: Chemical Bonding in Phosphines, Phosphine Oxides, and Phosphonium Ylides"
DOI: 10.1021/cr00029a008

[517] JACS 1970, #92-10, p. 2956 - 2965
Chadwick A. Tolman
"Phosphorus ligand exchange equilibriums on zerovalent nickel. Dominant role for steric effects."
DOI: 10.1021/ja00713a007

[518] Sigma-Aldrich-Fluka
"Phosphine Ligand Application Guide"

https://www.sigmaaldrich.com/content/dam/sigma-aldrich/docs/Aldrich/Datasheet/1/phosphine-ligand-application-guide.pdf (Stand April 2015)

[519] Karl-Heinz Hellwich
"Stereochemie Grundbegriffe" (S. 17)
Springer Verlag Berlin, Heidelberg, New York, 2002
ISBN: 3-540-42347-8

[520] Org. Synth. 1989, #67, p. 20 - 32
Hidemasa Takaya, Susumu Akutagawa and Ryoji Noyori
(checked by Marco Cereghetti, Alain Rageot, Max Vecchi and Gabriel Saucy)
"(R)-(+)- and (S)-(-)-2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl (BINAP)"
DOI: 10.15227/orgsyn.067.0020

[521] Chem. Comm. 1997, p. 2359 - 2360
David J. Ager and Scott A. Laneman
"Convenient and direct preparation of tertiary phosphines via nickel-catalysed cross-coupling"
DOI: 10.1039/A705106I
(NSC Technologies, subsidiary of Monsanto)

[522] Tet. Lett. 2007, #48-6, p. 949 - 953
David J. Morris, Gordon Docherty, Gary Woodward and Martin Wills
"Modification of ligand properties of phosphine ligands for C-C and C-N bond-forming reactions"
DOI: 10.1016/j.tetlet.2006.12.027

[523] Tetrah. 2000, #56-45, p. 8893 - 8899
Fuk Yee Kwong, Albert S. C. Chan and Kin Shing Chana
"Chelating Retardation Effect in Nickel Assisted Phosphination: Syntheses of Atropisomeric P,N Ligands"
DOI: 10.1016/S0040-4020(00)00816-4

[524] Chem. A Eur. J. 2011, #17-39, p. 10828 - 10831
Lei Liu, Hai-Chen Wu and Jin-Quan Yu
"Improved Syntheses of Phosphine Ligands by Direct Coupling of Diarylbromophosphine with Organometallic Reagents"
DOI: 10.1002/chem.201101467

[525] Synlett 1992; #10, p. 807 - 808
Antonio Dore, Serafino Gladiali, Sergio Cossu and Ottorino De Lucchi
"Binaphthothiophene: Source of 1,1'-Binaphthalene, Perylene, 2,2'-Diiodo- and 2,2'-Dimethyl-1,1'-Binaphthalene"
DOI: 10.1055/s-1992-21499

[526] JOC 1993, #58-7, p. 1945 - 1948
Yasuhiro Uozumi, Asako Tanahashi, Sang Yong Lee and Tamio Hayashi
"Synthesis of optically active 2-(diarylphosphino)-1,1'-binaphthyls, efficient chiral monodentate phosphine ligands"
DOI: 10.1021/jo00059a059

[527] J. Mol. Cat. 1989, #54-2, p. L5 - L7 (Subito)
H. Hotta, T. Suzuki, S. Miyano and Y. Inoue
"Convenient preparation of axially chiral 1,1'-binaphthyl-2-carboxylates via the palladium-catalyzed carbonylation of 1,1'-binaphthyl-2-yl triflates"
DOI: 10.1016/0304-5102(89)80202-0

[528] JOC 1994, #59-23, p. 7180 - 7181
Dongwei Cai, Joseph F. Payack, Dean R. Bender, David L. Hughes, Thomas R. Verhoeven and Paul J. Reider
"Synthesis of Chiral 2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl (BINAP) via a Novel Nickel-Catalyzed Phosphine Insertion"
DOI: 10.1021/jo00102a059

[529] Tet. Lett. 1990, #31-44, p. 6321 - 6324
Lilia Kurz, Gary Lee, David Morgans Jr., Michael Joe Waldyke and Timothy Ward
"Stereospecific functionalization of (R)-(-)-1,1'-bi-2-naphthol triflate"
DOI: 10.1016/S0040-4039(00)97053-9

[530] Org. Syn. 1999, #76, p. 1 - 5
Dongwei Cai, David L. Hughes, Thomas R. Verhoeven and Paul J. Reider
(checked by Rachel van Rijn and Amos B. Smith (III))
"Resolution of 1,1'-Bi-2-Naphthol"
DOI: 10.15227/orgsyn.076.0001

[531] CN 11982318 A (Juni 2007)
Yunfei Luo
"Synthesis of chiral 2,2'-bi(diphenyl phosphine)-1,1'-binaphthalene"

[532] JP 2000-007688 A
Masatoshi Kawashima
"Production / Preparation of optically active 2,2'-bis(disubstituted Phosphino)-1,1'-Binaphthyl as ligands for catalysts"

[532] a) J. Chem. Soc. (Res.) 1965, p. 3238 - 3241
G. Booth and J. Chatt
"Some complexes of ditertiary phosphines with nickel(II) and nickel(III)"
DOI: 10.1039/JR9650003238

b) J. Chem. Soc. A, 1968, 40 - 43
M. J. Hudson, R. S. Nyholm and M. H. B. Stiddard
"Ditertiary arsine and phosphine compounds of nickel(II), palladium(II), and platinum(II)"
DOI: 10.1039/J19680000040
(Achtung, dppe wird hier auch als diphos geführt, in anderen Publ. wird darunter eine o-Phenylen-diphosphin-Verbindung verstanden!)

c) J. Chem. Soc. Dalton Trans., 1993, 3767 - 3770 (A/B-Form des Ni-Komplexes)
Richard Busby, Michael B. Hursthouse, Penelope S. Jarrett, Christian W. Lehmann, K. M. Abdul Malik and Coral Phillips
"Dimorphs of [1,2-bis(diphenylphosphino)ethane]dichloronickel(II)"
DOI: 10.1039/DT9930003767

d) Acta Cryst. C 2001, #C57-6 p. 690 - 693 (C-Form des Ni-Komplexes)
Jo C. Davison, Mark R. St J. Foreman, R. Alan Howie, M. John Plater and Janet M. S. Skakle
"A new polymorph, form C, of [1,2-bis(diphenylphosphino)ethane]dichloronickel(II)"
DOI: 10.1107/S0108270101003961

e) Inorg. Chem., 1991, #30-9, p. 2098 - 2104
Penelope S. Jarrett and Peter J. Sadler
"Nickel(II) bis(phosphine) complexes"
DOI: 10.1021/ic00009a028

[533] Dalton Trans., 2008, p. 1989 - 1992
Adam J. Bridgeman
"On the origin of paramagnetism in planar nickel(II) complexes"
DOI: 10.1039/b717767d

[534] Org. Syn. 1978, #58, p. 127 ff.
Makoto Kumada, Kohei Tamao and Koji Sumitani
(checked by Teresa Y. L. Chan and S. Masamune.)
"Phosphine-Nickel Complex Catalyzed Cross-Coupling of Grignard Reagents with Aryl and Alkenyl Halides: 1,2-Dibutylbenzene"
DOI: 10.15227/orgsyn.058.0127

[535] Macromol. Rapid Commun. 2002, #23-1, p. 16 - 20
Paul-Gerhard Lassahn, Christoph Janiak and Jae-Seung Oh
"Borane Activators for Late-Transition Metal Catalysts in Norbornene Polymerization"
DOI: 10.1002/1521-3927(20020101)23:1<16::AID-MARC16>3.0.CO;2-K

[536] WO 2004056483 A1
Marc Lemaire, Christine Saluzzo and Mikaël Berthod
"Diphosphines, Preparation and Uses Thereof"
Methode mit CCl_4, Fe^0, Br_2

[537] Chem. Rev. 2005, #105-5, p. 1801 - 1836
Mikaël Berthod, Gérard Mignani, Gary Woodward and Marc Lemaire
"Modified BINAP: The How and the Why"
DOI: 10.1021/cr040652w

[538] Tet. Asy. 2004, #15-7, p. 1121 - 1126
Mikaël Berthod, Gérard Mignani and Marc Lemaire
"New perfluoroalkylated BINAP usable as a ligand in homogeneous and supercritical carbon dioxide asymmetric hydrogenation"
DOI: 10.1016/j.tetasy.2004.02.004

[539] a) Chem. Comm. 2012, #48, p. 6369 - 6371
Tomohiro Seki, Kevin McEleney and Cathleen M. Crudden
"Enantioselective catalysis with a chiral, phosphane-containing PMO material"
DOI: 10.1039/C2CC31247F

b) WO 2008018195 (A1)
Toyoshi Shimada, Naomi Takenaka, Gakuto Goshima and Hiroyuki Hosoi
"Polymer Having Bis(Diphenylphosphino)Binaphthyl Group"

c) Chem. Mater. 2014, #26-20, p. 5852 - 5859
Michael W. A. MacLean, Thomas K. Wood, Gang Wu, Robert P. Lemieux and Cathleen M. Crudden
"Chiral Periodic Mesoporous Organosilicas: Probing Chiral Induction in the Solid State"
DOI: 10.1021/cm501826b

[540] Polymers 2011, #3-1, p. 621 - 639
Toshimasa Suzuka, Kosuke Kimura and Takuya Nagamine
"Reusable Polymer-Supported Terpyridine Palladium Complex for Suzuki-Miyaura, Mizoroki-Heck, Sonogashira, and Tsuji-Trost Reaction in Water"
DOI: 10.3390/polym3010621

[541] Org. Lett. 2013, #15-15, p. 3950 - 3953
Stephen D. Ramgren, Liana Hie, Yuxuan Ye and Neil K. Garg
"Nickel-Catalyzed Suzuki-Miyaura Couplings in Green Solvents"
DOI: 10.1021/ol401727y

[542] Tetra. 2011, #67, p. 5432 - 5436
Rafael Cano, Diego J. Ramón and Miguel Yus
"Impregnated palladium on magnetite, a new catalyst for the ligand-free cross-coupling Suzuki-Miyaura reaction"
DOI: 10.1016/j.tet.2011.05.072

[543] J. Chem. Soc. Perkin Trans. 1996, p. 2391 - 2395
James M. Lovell and John A. Joule
"Synthesis of 1- and 2-substituted thianthrenes"
DOI: 10.1039/P19960002391

[544] JOC 2014, #79-14, p. 6517 - 6531
Keith W. Bentley and Christian Wolf
"Comprehensive Chirality Sensing: Development of Stereodynamic Probes with a Dual (Chir)optical Response"
DOI: 10.1021/jo500959y

[545] JOMC 1993, #458_1-2, p. C3 - C4
Richard D. Jackson, Stuart James, A. Guy Orpen and Paul G. Pringle
"1,8-Bis(diphenylphosphino)naphthalene: A rigid chelating, diphosphine analogue of proton sponge"
DOI: 10.1016/0022-328X(93)80482-Q

[546] Synth. Comm. 1995, #25-11, p. 1741 -1744
J. van Soolingen, R. J. De Lang, R. den Besten, P. A. A. Klusener, N. Veldman, A. L. Spek and L. Brandsmaa
"A Simple Procedure for the Preparation of 1,8-Bis(Diphenylphosphino)Naphthalene"
DOI: 10.1080/00397919508015858

[547] EurJOC 2011, #9, p. 1743 - 1754
Christine I. Schilling, Oliver Plietzsch, Martin Nieger, Thierry Muller and Stefan Bräse
"Fourfold Suzuki-Miyaura and Sonogashira Cross-Coupling Reactions on Tetrahedral Methane and Adamantane Derivatives"
DOI: 10.1002/ejoc.201001567

[548] Org. Synth. 1940, #20, p. 18 - 22 bzw. Coll. Vol. 1955, #3, p. 132
C. Frederick Koelsch
"6-Bromo-2-Naphthol"
DOI: 10.15227/orgsyn.020.0018

[549] JACS 1969, #91-25, p. 7012 - 7023
Klaus Naumann, Gerald Zon and Kurt Mislow
"Use of hexachlorodisilane as a reducing agent. Stereospecific deoxygenation of acyclic phosphine oxides"
DOI: 10.1021/ja01053a021

[550] Org. Lett. 2004, #6-25, p. 4675 - 4678
Hai-Chen Wu, Jin-Quan Yu and Jonathan B. Spencer
"Stereospecific Deoxygenation of Phosphine Oxides with Retention of Configuration Using Triphenylphosphine or Triethyl Phosphite as an Oxygen Acceptor"
DOI: 10.1021/ol048227c

[551] JOC 2012, #77-8, p. 3969 - 3977
Elizabeth H. Krenske
"Theoretical Investigation of the Mechanisms and Stereoselectivities of Reductions of Acyclic Phosphine Oxides and Sulfides by Chlorosilanes"
DOI: 10.1021/jo300346g

[552] Synlett 2008, #12, p. 1915 - 1916
Zhiguo Zhang
"Trichlorosilane ($HSiCl_3$) - A Cheap and Convenient Reducing Agent"
DOI: 10.1055/s-2008-1077884

[553] D. W. Allen
Organophosphorus Chemistry, 2014, #43, p. 1 - 51 (ab S. 7 P=O-Reduktion)
Chapter 1: Phosphines and related P-C-bonded compounds
DOI: 10.1039/9781782623977-00001

[554] JOC 2008, #73-4, p. 1524 - 1531
Carl A. Busacca, Ravinder Raju, Nelu Grinberg, Nizar Haddad, Paul James-Jones, Heewon Lee, Jon C. Lorenz, Anjan Saha and Chris H. Senanayake
"Reduction of Tertiary Phosphine Oxides with DIBAL-H"
DOI: 10.1021/jo7024064

[555] Chem. Comm. 2008, p. 4493 - 4494
Maria J. Petersson, Wendy A. Loughlin and Ian D. Jenkins
"Selective mono reduction of bis-phosphine oxides under mild conditions"
DOI: 10.1039/b807695b
(hier auch Monoreduktion beschrieben)

[556] FR2869313 (A1)
Mikaël Berthod, Marc Lemaire and Gerard Mignani
"Method of Reducing a Functional Group in an Oxidised Form"

[557] SynLett 2007, #10, p. 1545 - 1548
Mikaël Berthod, Alain Favre-Réguillon, Jahjah Mohamad, Gérard Mignani, Gordon Docherty and Marc Lemaire
"A Catalytic Method for the Reduction of Secondary and Tertiary Phosphine Oxides"
DOI: 10.1055/s-2007-982536

[558] Organometallics 2009, #28-22, p. 6379 - 6382
Christelle Petit, Alain Favre-Reguillon, Bélen Albela, Laurent Bonneviot, Gerard Mignani and Marc Lemaire
"Mechanistic Insight into the Reduction of Tertiary Phosphine Oxides by $Ti(O^iPr)_4$/TMDS"
DOI: 10.1021/om900747b

[559] Organic Electronics 2012, #13-9, p. 1516 - 1525 (*via* Subito)
Hui Xua, Guohua Xie, Chunmiao Han, Zhensong Zhang, Zhaopeng Deng, Yi Zhao, Pengfei Yan and Shiyong Liu
"Influence of molecular configuration and functional substituents on excited state energy levels in two naphthyl-based phosphine oxide hosts"
DOI: 10.1016/j.orgel.2012.05.003

[560] JACS 1977, #99-14, p. 4704 - 4707
Frank Albert Cotton, Catherine E. Rice and Gary W. Rice
"Crystal and molecular structure of anhydrous tetraacetatodichromium"
DOI: 10.1021/ja00456a029

[561] a) Pure Appl. Chem. 1999, #71-2, p. 247 - 251
F. Vögtle, O. Safarowsky, C. Heim, A. Affeld, O. Braun and A. Mohry
"Catenanes, rotaxanes and pretzelanes-template synthesis and chirality"
DOI: 10.1351/pac199971020247
(kostenfrei zugänglich http://www.iupac.org/publications/pac/71/2/0247/ Stand Nov. 2015)

b) J. f. prakt. Chem. 2000, #342-5, p. 437 - 444
O. Safarowsky, B. Windisch, A. Mohry and F. Vögtle
"Nomenclature for Catenanes, Rotaxanes, Molecular Knots, and Assemblies Derived from These Structural Elements"
DOI: 10.1002/1521-3897(200006)342:5<437::AID-PRAC437>3.0.CO;2-7

[562] a) Physik-Journal 2004, #10 p. 80 - 81
Helmut Schillinger und Petra Wallenta
"Kompakte Excimerlaser in der Industrie"
(http://www.pro-physik.de/details/physikjournalIssue/1089777/Issue_10_2004.html
kostenfrei zugänglich; Stand Nov. 2015)

b) 2nd International Symposium on Laser Precision Microfabrication 2001 (Jan. 2002), p. 14 - 22
Dirk Basting, Klaus Pippert and Uwe Stamm
"History and future prospects of excimer laser technology"

[563] http://omlc.org/spectra/PhotochemCAD/html/003.html
Scott Prahl
(Java Script erforderlich; Stand Aug. 2015)

[564] http://www.zeiss.de/meditec/de_de/produkte-loesungen/ophthalmologie/cornea-refraktiv/laserbehandlung/excimer-lasersysteme/mel-80.html
http://www.zeiss.de/meditec/de_de/produkte-loesungen/ophthalmologie/cornea-refraktiv/laserbehandlung/excimer-lasersysteme/mel-90.html
(s. Applikationen; Stand Nov. 2015)

[565] US3988437 (A) - 1976-10-26
Hugh Bradner; Research Corp.
"Suntan composition containing fluorescent compounds"
"The most preferred fluorescent compound, however, is p-terphenyl. It has been found that this compound combines excellent properties of radiation absorption and refluorescence and applicability to the human skin for sun-screening and tanning promotion effects."

[566] Adv. Funct. Mater. 2004, #14-7, p. 649 - 659
Véronique de Halleux, Jean-Philippe Calbert, Patrick Brocorens, Jérôme Cornil, Jean-Paul Declercq, Jean-Luc Brédas and Yves Geerts
"1,3,6,8-Tetraphenylpyrene Derivatives: Towards Fluorescent Liquid-Crystalline Columns?"
DOI: 10.1002/adfm.200400006

[567] JACS 2007, #129-6, p. 1520 - 1521
Yoshimitsu Sagara, Toshiki Mutai, Isao Yoshikawa and Koji Araki
"Material Design for Piezochromic Luminescence: Hydrogen-Bond-Directed Assemblies of a Pyrene Derivative"
DOI: 10.1021/ja0677362

[568] SciFinder listet wenigstens 35 Patente, die allein 2,7-Dibrompyren beinhalten, auf. Die meisten beschäftigen sich mit der Weiterfunktionalisierung für optisch aktive Materialien (OLEDs etc.).

[569] Chem. A. Eur. J. 2008, #14-32, p. 9968 - 9980
Vyacheslav V. Filichev, Irina V. Astakhova, Andrei D. Malakhov, Vladimir A. Korshun and Erik B. Pedersen
"1-, 2-, and 4-Ethynylpyrenes in the Structure of Twisted Intercalating Nucleic Acids: Structure, Thermal Stability, and Fluorescence Relationship"
DOI: 10.1002/chem.200800380

[570] ACIE 2014, #53-25, p. 6430 - 6434
Takahiro Iwamoto, Eiichi Kayahara, Nobuhiro Yasuda, Toshiyasu Suzuki and Shigeru Yamago
"Synthesis, Characterization, and Properties of [4]Cyclo-2,7-pyrenylene: Effects of Cyclic Structure on the Electronic Properties of Pyrene Oligomers"
DOI: 10.1002/anie.201403624

[571] Organic Reactions (Hoboken, NJ, USA) 1984 (Das Werk lag mir nicht vor (kein Zugang), es wurde aber im SciFinder darauf verwiesen.)
Frank B. Mallory and Clelia W. Mallory
"Photocyclization of stilbenes and related molecules"

[572] Acta Ch. Scand. B 1986, #B40-8, p. 665 - 677
Arne Berg, Jørgen Lam; Poul Erik Hansen
"Formation of sec-Alkylpyrenes by Friedel-Crafts and Cathodic Alkylation Methods. Structure and Spectroscopic Properties of Products. Catalytic Hydrogenation of Pyrene and Some Alkylpyrenes."
DOI: 10.3891/acta.chem.scand.40b-0665

[573] JOC 1979, #44-25, p. 4733 - 4735
Reginald H. Mitchell, Yee-Hing Lai and Richard V. Williams
"N-Bromosuccinimide-Dimethylformamide: A Mild, Selective Nuclear Monobromination Reagent for Reactive Aromatic Compounds"
DOI: 10.1021/jo00393a066

[574] Chem. Lett. 2011, #40-9, p. 941 - 943
Ryota Ozawa, Kenji Yoza and Kenji Kobayashi
"2,7-Diborylanthracene as a Useful Building Block for Extended π-Conjugated Aromatics"
DOI: 10.1246/cl.2011.941

[575] Org. Lett. 2009, #11-16, p. 3658 - 3661
Takakazu Kimoto, Kenro Tanaka, Yoshimasa Sakai, Akira Ohno, Kenji Yoza and Kenji Kobayashi
"2,8- and 2,9-Diboryltetracenes as Useful Building Blocks for Extended π-Conjugated Tetracenes"
DOI: 10.1021/ol901420p

[576] Chem. A. Eur. J. 2012, #18-16, p. 5022 - 5035
Andrew G. Crawford, Zhiqiang Liu, Ibraheem A. I. Mkhalid, Marie-Hélène Thibault, Nicolle Schwarz, Gilles Alcaraz, Andreas Steffen, Jonathan C. Collings, Andrei S. Batsanov, Judith A. K. Howard and Todd B. Marder
"Synthesis of 2- and 2,7-Functionalized Pyrene Derivatives: An Application of Selective C-H Borylation"
DOI: 10.1002/chem.201103774
(Bezug ^{1}H-NMR "It was observed that the chemical shifts of the signals in the 1H NMR spectra often differed by several hundredths of a ppm depending on sample concentration, which is presumably attributable to aggregation effects in solution.")

[577] JACS 2011, #133-34, 13349 - 13362
Andrew G. Crawford, Austin D. Dwyer, Zhiqiang Liu, Andreas Steffen, Andrew Beeby, Lars-Olof Pålsson, David J. Tozer and Todd B. Marder
"Experimental and Theoretical Studies of the Photophysical Properties of 2- and 2,7-Functionalized Pyrene Derivatives"
DOI: 10.1021/ja2006862

[578] Org. Biomol. Chem. 2014, #12, p. 212 - 232 (freiheitlich zugänglich; CC-BY)
Juan M. Casas-Solvas, Joshua D. Howgego and Anthony P. Davis
"Synthesis of substituted pyrenes by indirect methods"
DOI: 10.1039/C3OB41993B

[579] JACS 2012, #134-37, p. 15169 - 15172
Maria N. Eliseeva and Lawrence T. Scott
"Pushing the Ir-Catalyzed C-H Polyborylation of Aromatic Compounds to Maximum Capacity by Exploiting Reversibility"
DOI: 10.1021/ja307547j

[580] JOC 2015, #80-1, p. 661 - 665
Lei Ji, Katharina Fucke, Shubhankar Kumar Bose and Todd B. Marder
"Iridium-Catalyzed Borylation of Pyrene: Irreversibility and the Influence of Ligand on Selectivity"
DOI: 10.1021/jo5024014

[581] J. Chem. Educ. 1968, #45-10, p 633 - 637
Nelson F. Phelan and Milton Orchin
"Cross conjugation"
DOI: 10.1021/ed045p633

[582] WO2008120839 A1 (S. 38)
Kwon Soon-Ki, Kim Yun-Hi, Park Jong-Won, Kang Dong Min, Jung Sung Ouk, Baek Jang Yeol, Park Moon-Hak, Ju Jin Uk, Kim Tae Hoon, Jang Sang Hun, Lee Sang-Gyeong, Park Sung Jin, Kim Jung-Sik and Park Jung-Kyu
"Novel Organic Semiconductor Compound, And Organic Thin Film Transistor Using The Same"

[583] J. Chem. Edu. 2011, #88-8, p. 1155 - 1157
Kimberly D. M. Charleton and Ernest M. Prokopchuk
"Coordination Complexes as Catalysts: The Oxidation of Anthracene by Hydrogen Peroxide in the Presence of $VO(acac)_2$"
DOI: 10.1021/ed100843a

[584] H. G. O. Becker (Hrsg. und Mitautor), H. Böttcher, F. Dietz, D. Rehorek, G. Roewer, K. Schiller und H-J. Timpe
"Einführung in die Photochemie"
3. Aufl. Verlag dt. Wissenschaften Berlin, 1991

[585] a) Ber. dt. chem. Ges. 1897, #30-2, p. 2043 - 2047
Moses Gomberg
"Tetraphenylmethan"
DOI: 10.1002/cber.189703002177

b) JACS 1898, #20-10, p. 773 - 780
Moses Gomberg
"On Tetraphenylmethane"
DOI: 10.1021/ja02072a009

[586] J. Chem. Soc. Chem. Commun. 1980, p. 1202 - 1204
Manfred T. Reetz, Bernd Wenderoth, Roland Peter, Rainer Steinbach and Jürgen Westermann
"Efficient coupling of tertiary alkyl halides with dialkylzinc and titanium compounds"
DOI: 10.1039/C39800001202

[587] Chem. A Eur. J. 2009, #15-27, p. 6569 - 6572
Maggie C. C. Ng, Donald J. Craig, Jason B. Harper, Lambert van-Eijck and John A. Stride
"The Central Atom Size Effect on the Structure of Group 14 Tetratolyls"
DOI: 10.1002/chem.200900360

[588] Chem. Mater. 2001, #13-9, p. 2788 - 2796
Hsiu-Chih Yeh, Rong-Ho Lee, Li-Hsin Chan, Tzu-Yao Jeremy Lin, Chin-Ti Chen, Easwaramoorthy Balasubramaniam and Yu-Tai Tao
"Synthesis, Properties, and Applications of Tetraphenylmethane-Based Molecular Materials for Light-Emitting Devices"
DOI: 10.1021/cm0008056

[589] JOC 2004, #69-5, p. 1524 - 1530
Rajendra Rathore, Carrie L. Burns and Ilia A. Guzei
"Synthesis and Isolation of Polytrityl Cations by Utilizing Hexaphenylbenzene and Tetraphenylmethane Scaffolds"
DOI: 10.1021/jo035598i

[590] Synthesis 2002, #9, p. 1157 - 1162
Thomas J. Zimmermann and Thomas J. J. Müller
"Convenient Syntheses of Tetraarylmethane Starting Materials"
DOI: 10.1055/s-2002-32526

[591] JACS 1969, #91-6, p. 1563 - 1565
M. J. Shaw, H. H. Hyman and R. Filler
"Reaction of Xenon Difluoride with Benzene"
DOI: 10.1021/ja01034a066

[592] J.Phys. Chem. A 1998, #102-52, p. 10647 - 10654
Meng-Sheng Liao and Qian-Er Zhang
"Chemical Bonding in XeF_2, XeF_4, KrF_2, KrF_4, RnF_2, $XeCl_2$, and $XeBr_2$: From the Gas Phase to the Solid State"
DOI: 10.1021/jp9825516

[593] Polymer 2013, #54-2, p. 557 - 564
Huidong Qian, Jifu Zheng and Suobo Zhang
"Preparation of microporous polyamide networks for carbon dioxide capture and nanofiltration"
DOI: 10.1016/j.polymer.2012.12.005

[594] Tetrahedron 2014, #70-32, p. 4778 - 4783
Lan Chen, Shao-Chen Zhang, Hui Wang, Ya-Ming Zhou, Zhan-Ting Li and Dan-Wei Zhang
"Three-dimensional supramolecular polymers driven by rigid tetrahedral building blocks through tetrathiafulvalene radical cation dimerization"
DOI: 10.1016/j.tet.2014.05.035

[595] J. Mater. Chem. 2011, #21, p. 1700 - 1703
Prativa Pandey, Omar K. Farha, Alexander M. Spokoyny, Chad A. Mirkin, Mercouri G. Kanatzidis, Joseph T. Hupp and SonBinh T. Nguyen
"A "click-based" porous organic polymer from tetrahedral building blocks"
DOI: 10.1039/c0jm03483e

[596] Chem. Comm. 2011, #47, p. 8545 - 8547
Christopher B. Caputo, V. Nicholas Vukotic, Natalie M. Sirizzotti and Stephen J. Loeb
"A tetrapyridine ligand with a rigid tetrahedral core forms metal-organic frameworks with PtS type architecture"
DOI: 10.1039/c1cc12188j

[597] Dalton Trans. 2011, #40, p. 9189 - 9193
Ibrahim Eryazici, Omar K. Farha, Owen C. Compton, Charlotte Stern, Joseph T. Hupp and SonBinh T. Nguyen
"Luminescent infinite coordination polymer materials from metal-terpyridine ligation"
DOI: 10.1039/c1dt10671f

[598] ACIE 2013, #52-47, p. 12395 - 12399
Hakuba Kitagawa, Hiroyoshi Ohtsu and Masaki Kawano
"Kinetic Assembly of a Thermally Stable Porous Coordination Network Based on Labile CuI Units and the Visualization of I_2 Sorption"
DOI: 10.1002/anie.201306776
(Angew. 2013, #124-47, p. 12621 - 12625; dito, dito; DOI: 10.1002/ange.201306776)

[599] JACS 2014, #136-24, p. 8654 - 8660
Baiyan Li, Yiming Zhang, Rajamani Krishna, Kexin Yao, Yu Han, Zili Wu, Dingxuan Ma, Zhan Shi, Tony Pham, Brian Space, Jian Liu, Praveen K. Thallapally, Jun Liu, Matthew Chrzanowski and Shengqian Ma
"Introduction of pi-Complexation into Porous Aromatic Framework for Highly Selective Adsorption of Ethylene over Ethane"
DOI: 10.1021/ja502119z

[600] Crystal Growth & Design 2012, #12-12, p. 6158 - 6164
Yun-Shan Xue, Feng-Yan Jin, Lian Zhou, Mei-Pin Liu, Yan Xu, Hong-Bin Du, Min Fang and Xiao-Zeng You
"Structural Diversity and Properties of Coordination Polymers Built from a Rigid Octadentenate Carboxylic Acid"
DOI: 10.1021/cg301319u

[601] ACIE 2009, #48-52, p. 9905 - 9908
Liqing Ma, Athena Jin, Zhigang Xie and Wenbin Lin
"Freeze Drying Significantly Increases Permanent Porosity and Hydrogen Uptake in 4,4-Connected Metal-Organic Frameworks"
DOI: 10.1002/anie.200904983
(Angew. 2009, #121-52, p. 10089 - 10092; dito, dito; DOI: 10.1002/ange.200904983)

[602] Chem. Comm. 1987, #23, p. 1753 - 1754
Andrew R. Barron, Stephen W. Hall and Alan H. Cowley
"Cyclic carboxylic monophosphides: a new class of phosphorus heterocycle"
DOI: 10.1039/C39870001753

[603] Org. Lett. 2009, #11-15, p. 3426 - 3429 (+Supp)
Qifan Yan and Dahui Zhao
"Conjugated Dimeric and Trimeric Perylenediimide Oligomers"
DOI: 10.1021/ol9012734

[604] (zwei frühe Beispiele)
J. Chem. Soc. Trans. 1917, #111, p. 41 - 50
John Joseph Sudborough and Jamiat Vishindas Lakhumalani
"VI. - The displacement of sulphonic acid groups in amino-sulphonic acids by halogen atoms"
und
JACS 1921, #43-2, p. 303 - 315
Rasik Lal Datta and Jagadish Chandra Bhoumik
"Halogenation XX. The Replacement of Sulfonic Acid Groups by Halogens."

[605] Persönliches Gespräch mit Prof. Klaus Müllen am 16. April 2015.

[606] Ein sehr schönes Beispiel mit Verwendungszweck findet sich hier:
JACS 2007, #129-13, p. 3842 - 3843
Andrzej Sygula, Frank R. Fronczek, Renata Sygula, Peter W. Rabideau and Marilyn M. Olmstead
"A Double Concave Hydrocarbon Buckycatcher"
DOI: 10.1021/ja070616p

[607] JACS 2007, #129-46, p. 14319 - 14326
Peter Osswald and Frank Würthner
"Effects of Bay Substituents on the Racemization Barriers of Perylene Bisimides: Resolution of Atropo-Enantiomers"
DOI: 10.1021/ja074508e

[608] in JACS 2007, #129-46, p. 14319 - 14326 ([607]) zitierte [16] Dissertation von S. Hien, Uni Regensburg, 1995

[609] Журнал Неорганической Химии (Zhurnal njeorganitscheskoi Chimii) 1958, #3-4 p. 1008 - 1027
А. С. Котельникова и В. Г. Тронев (A.S. Kotelnikova and V. G. Tronev)
"Исследование Комплексных Соединений Двухвалентного Рения"
("Issljedowanie Komplexnyich Zoedinenii Dwuchvalentnogo Rhenija")
und
Zhurnal Strukturnoi Khimii 1963, #4-1 (Jan/Feb), p. 49 - 55
V. G. Kuznetsov i P. A. Koz'min
"A study of the structure of (PyH)HReCl$_4$"

[610] Inorg. Chem. 1965, #4-3, p. 330 - 333
F. A. Cotton and C. B. Harris
"The Crystal and Molecular Structure of Dipotassium Octachlorodirhenate(III) Dihydrate, $K_2[Re_2Cl_8]$ 2 H_2O"
DOI: 10.1021/ic50025a015

[611] JACS 2006, #128-35, p. 11643 - 11651
Vladimir Ya. Lee, Tomohide Fukawa, Masaaki Nakamoto, Akira Sekiguchi, Boris L. Tumanskii, Miriam Karni, and Yitzhak Apeloig
"$(tBu_2MeSi)_2Sn{=}Sn(SiMetBu_2)_2$: A Distannene with a >Sn=Sn< Double Bond That Is Stable Both in the Solid State and in Solution"
DOI: 10.1021/ja063322x

[612] a) CCAAS CheM 2012, #2, p. 35 - 46 (kostenfrei zugänglich)
Vladimir Ya. Lee

"Digermenes >Ge=Ge<, Distannenes >Sn=Sn< and Diplumbenes >Pb=Pb<"
DOI: 10.5618/chem.2012.v2.n1.5

b) Chem. Rev. 1999, #99-12, p. 3463 - 3504
Philip P. Power
"π-Bonding and the Lone Pair Effect in Multiple Bonds between Heavier Main Group Elements"
DOI: 10.1021/cr9408989

[613] a) Science 2005, #310-5749 p. 844 - 847
Tailuan Nguyen, Andrew D. Sutton, Marcin Brynda, James C. Fettinger, Gary J. Long and Philip P. Power
"Synthesis of a Stable Compound with Fivefold Bonding Between Two Chromium(I) Centers"
DOI: 10.1126/science.1116789

b) ACIE 2006, #45-19, p. 3006 - 3010
Udo Radius and Frank Breher
"To Boldly Pass the Metal-Metal Quadruple Bond"
DOI: 10.1002/anie.200504322
Angew. 2006, #118-19, p. 3072 - 3077
"Hinter dem Horizont der Metall-Metall-Vierfachbindung"
Udo Radius and Frank Breher
DOI: 10.1002/ange.200504322

[614] JACS 1980, #102-20, p. 6348 - 6349
Bruce E. Bursten, F. Albert Cotton and Michael B. Hall
"Dimolybdenum: nature of the sextuple bond"
DOI: 10.1021/ja00540a034

[615] J. Organomet. Chem. 2000. #614-615, p. 238 - 242
Malcolm H. Chisholm, Damon R. Click and John C. Huffman
"Octakis(trimethylsilylmethyl)dioxotetramolybdenum. A novel tetranuclear compound with two localized metal-metal triple bonds"
DOI: 10.1016/S0022-328X(00)00628-8

[616] ACIE 2007, #46-23, p. 4277 - 4280
Hua-Jin Zhai, Boris B. Averkiev, Dmitry Yu. Zubarev, Lai-Sheng Wang and Alexander I. Boldyrev
"δ-Aromaticity in $[Ta_3O_3]^-$"
DOI: 10.1002/anie.200700442
(Angew. 2007, #119-23, p. 4355 - 4358; dito, dito; DOI: 10.1002/ange.200700442)

[617] J. Chem. Edu. 1983, #60-9, p. 713 - 720
F. A. Cotton
"Multiple Metal-Metal Bonds"

[618] JACS 2005, #127-41, p. 14223 - 14230
Yan Lou, Travis P. Remarchuk and E. J. Corey
"Catalysis of Enantioselective [2+1]-Cycloaddition Reactions of Ethyl Diazoacetate and Terminal Acetylenes Using Mixed-Ligand Complexes of the Series $Rh_2(RCO_2)_n(L^*_{4-n})$. Stereochemical Heuristics for Ligand Exchange and Catalyst Synthesis"
DOI: 10.1021/ja052254w

[619] Inorg. Synth. 1972, #13, p. 90 - 91
G. A. Rempel, P. Legzdins, H. Smith, G. Wilkinson and D. A. Ucko
"Tetrakis(acetato)dirhodium(II) and Similar Carboxylato Compounds"
DOI: 10.1002/9780470132449.ch16

[620] Inorg. Chem. 1993, #32-14, p. 3125 - 3133
Charles A. Crawford, John H. Matonic, William E. Streib, John C. Huffman, Kim R. Dunbar and George Christou
"Reaction of 2,2'-bipyridine (bpy) with dirhodium carboxylates: mono-bpy products with variable chelate binding modes and insights into the reaction mechanism"
DOI: 10.1021/ic00066a026

[621] Synlett. 2014, #25-1, p. 133 - 137
Keisuke Takahashi, Daisuke Yamaguchi, Jun Ishihara and Susumi Hatakeyama
"Synthesis of Heterocycles Based on Rhodium-Catalyzed C-H Amination"
DOI: 10.1055/s-0033-1340159

[622] J. Chem. Soc. Chem. Commun., 1974, p. 580 - 581
C. David Garner and Roger G. Senior
"Chromium(II) molybdenum(II) tetra-acetate, $[CrMo(OAc)_4]$; a metal(II) carboxylate with a heteronuclear metal-metal bond"
DOI: 10.1039/C39740000580

[623] ACIE 1984, #23-2, p. 89 - 99
Gordon A. Stone
"Metal-Carbon and Metal-Metal Multiple Bonds as Ligands in Transition-Metal Chemistry: The Isolobal Connection"
DOI: 10.1002/anie.198400893
Angew. 1984, #96-2, p. 85 - 96
Gordon A. Stone
"Metall-Kohlenstoff- und Metall-Metall-Mehrfachbindungen als Liganden in der Übergangsmetallchemie: Die Isolobal-Beziehung"
DOI: 10.1002/ange.19840960204

[624] a) http://www.nobelprize.org/nobel_prizes/chemistry/laureates/1981/
(Stand Okt. 2015)

b) ACIE 1982, #22-11, p. 801 - 809
Kenichi Fukui
"The Role of Frontier Orbitals in Chemical Reactions (Nobel Lecture)"
DOI: 10.1002/anie.198208013
Angew. 1982, #94-11, p. 852 - 861
Kenichi Fukui
"Grenzorbitale - ihre Bedeutung bei chemischen Reaktionen (Nobel-Vortrag)"
DOI: 10.1002/ange.19820941105

c) ACIE 1982, #21-10, p. 711 - 724
Roald Hoffmann
"Building Bridges Between Inorganic and Organic Chemistry (Nobel Lecture)"
DOI: 10.1002/anie.198207113
Angew. 1982, #94-10, p. 725 - 739
Roald Hoffmann
"Brücken zwischen Anorganischer und Organischer Chemie (Nobel-Vortrag)"
DOI: 10.1002/ange.19820941002

[625] JACS 1991, #113-23, p. 8709 - 8724
Roger H. Cayton, Malcolm H. Chisholm, John C. Huffman and Emil B. Lobkovsky
"Metal-metal multiple bonds in ordered assemblies. 1. Tetranuclear molybdenum and tungsten carboxylates involving covalently linked metal-metal quadruple bonds. Molecular models for subunits of one-dimensional stiff-chain polymers"
DOI: 10.1021/ja00023a019

[626] Inorg. Chim. Act. 1998, #283-1, p. 268 - 274
Satoshi Takamizawa, Wasuke Mori, Masatoshi Furihata, Sadamu Takeda and Kizashi Yamaguchi
"Synthesis and gas-occlusion properties of dinuclear molybdenum(II) dicarboxylates (fumarate, terephthalate, trans-trans-muconate, pyridine-2,5-dicarboxylate, and trans-1,4-cyclohexanedicarboxylate)"
DOI: 10.1016/S0020-1693(98)00312-0

[627] Acc. Chem. Res., 2000, #33-1, p. 53 - 61
Malcolm H. Chisholm
"One-Dimensional Polymers and Mesogens Incorporating Multiple Bonds between Metal Atoms"
DOI: 10.1021/ar9800901

[628] https://artsandsciences.osu.edu/news/memoriam-malcolm-chisholm
(Stand Dez. 2015)

[629] http://chisholm.group.chemistry.ohio-state.edu/publications.php
(s. u.a. seine zahlreichen Beiträge zur Reihe "Reactions of metal-metal multiple bonds.")
(Stand Dez. 2015)

[630] PNAS 2007, #104-8, p. 2563 - 2570 (kostenfrei zugänglich)
Malcolm H. Chisholm
"Metal to metal multiple bonds in ordered assemblies"
DOI: 10.1073/pnas.0610364104

[631] a) Ann. Chim. Phy. 1844, #12, p. 528 - 549 (*via* BSB / MDZ; alt. *via* {BnF)
Eugène Peligot
"Recherches sur le Chrome"

b) Educación química 2009, #20-1, p. 61 - 69 (kostenfrei zugänglich)
Jaime Wisniak
"Eugène Melchior Peligot"
(http://www.educacionquimica.info/numero.php?lang=en&numero=98)

c) Vermutlich erste Erfahrungen mit $[Cr(H_2O)_6]Cl_2$ in
Acad. Sci. 1844, #19, p. 609 - 611 (*via* {BnF)
Eugene Peligot
"Sur un nouvel oxyde de chrome"

[632] a) Acta Cryst. B 1971, #B27, p. 1664 - 1671 (Für $[Cr_2(OAc)_4(H_2O)_2]$ s. S. 1668.)
Frank Albert Cotton, B. G. DeBoer, Marie D. LaPrade, J. R. Pipal and D. A. Ucko
"The crystal and molecular structures of dichromium tetraacetate dihydrate and dirhodium tetraacetate dihydrate"
DOI: 10.1107/S056774087100452

b) JACS 1970, #92-9, p. 2926 - 2927
Frank Albert Cotton, B. G. DeBoer, Marie D. LaPrade, J. R. Pipal and D. A. Ucko
"Multiple chromium(II)-chromium(II) and rhodium(II)-rhodium(II) bonds"
DOI: 10.1021/ja00712a060

[633] Inorg. Chim. Acta 2012, #391, p. 179 - 181 (*via* Subito)
Ophir Levy, Benny Bogoslavsky and Avi Bino
"Anhydrous chromous acetate revisited - A very simple synthetic route"
DOI: 10.1016/j.ica.2012.04.029

[634] Inorg. Chem. 1974, #13-8, p. 1824 - 1827
E. Hochberg, P. Walks and E. H. Abbott
"Mass spectra and structural factors in the air stability of carboxylate complexes of Mo_2^{4+} dimolybdenum(4+) ion"
DOI: 10.1021/ic50138a008

[635] Bull. Chem. Soc. Jpn. 1971, #44-10, p. 2883 (kostenfrei zugänglich)
Tokiko Uchida, Yasuzo Uchida, Masanobu Hidai and Teruyuki Kodama
"The Crystal and Molecular Structure of trans-Bis(dinitrogen)bis[1,2-bis(diphenylphosphino)ethane]molybdenum(0)"
DOI: 10.1246/bcsj.44.2883

[636] Inorg. Chim. Act. 1980, #45, p. L123 - L125
Howard M. Colquhoun and Robert A. Head
"Dinitrogen and carbonyl complexes of tungsten(I) and molybdenum(I). The nature of '$MoCl(N_2)(dppe)_2$'"
DOI: 10.1016/S0020-1693(00)80119-X

[637] Nature 1969, #221, p. 551 - 552
J. Chatt, R. L. Richards, J. R. Sanders and J. E. Fergusson
"Nitrogen Complexes as Models for Nitrogenase with Nitrogen on the Active Site"

[638] Pure and Applied Chemistry 1970, #24-2, p. 425 - 442
J. Chatt
"Molecular nitrogen as a ligand"
DOI: 10.1351/pac197024020425
(http://www.iupac.org/publications/pac/24/2/0425/ hier kostenfrei zugänglich)

[639] Chem. Soc. Rev. 1972, #1, p. 121 - 144
J. Chatt and G. J. Leigh
"Nitrogen fixation"
DOI: 10.1039/CS9720100121

[640] Chem. Rev. 1978, #78-6, p. 589 - 625
Joseph. Chatt, Jonathan R. Dilworth and Raymond L. Richard
"Recent advances in the chemistry of nitrogen fixation"
DOI: 10.1021/cr60316a001

[641] J. Chem Soc. Dalton Trans. 1981, #3, p. 800 - 804
G. Jeffery Leigh, Robert H. Morris, Christopher J. Pickett, David R. Stanley and Joseph Chatt
"Redox-potential-structure relationships in metal complexes. Part 4. Electron-poor dinitrogen complexes of rhenium(I)"
DOI: 10.1039/DT9810000800

[642] Science 2003, #301-5629, p. 76 - 78
Dmitry V. Yandulov and Richard R. Schrock
"Catalytic Reduction of Dinitrogen to Ammonia at a Single Molybdenum Center"
DOI: 10.1126/science.1085326

[643] Organometallics 2015, #34-17, p. 4387 - 4393
Megan E. Fieser, Casey W. Johnson, Jefferson E. Bates, Joseph W. Ziller, Filipp Furche and William J. Evans
"Dinitrogen Reduction, Sulfur Reduction, and Isoprene Polymerization via Photochemical Activation of Trivalent Bis(cyclopentadienyl) Rare-Earth-Metal Allyl Complexes"
DOI: 10.1021/acs.organomet.5b00613

[644] JCS Chem. Commun. 1975, p. 351 - 352
Peter D. Cradwick, Joseph Chatt, Robert H. Crabtree and Raymond L. Richards
"Preparation and X-ray Structure of a Trinuclear Dinitrogen-bridged Complex, trans-$[MoCl_4\{(N_2)ReCl(PMe_2Ph)_4\}_2]$"
DOI: 10.1039/C39750000351

[645] Ber. Dt. Chem. Ges. 1879, # 12-1, p. 11 - 13
N. Franchimot
"Über Zinkacetat"
DOI: 10.1002/cber.18790120105

[646] Bull. Soc. Fr. Min. 1926, #49, p. 148 - 159
J. Wyart
"Structure de l'acetate basique de zinc dèterminée au moyen des rayons X"
http://gallica.bnf.fr/ark:/12148/bpt6k1090223/f183.image

[647] Lassi Hiltunen, Markku Leskelä, Milja Mäkelä und Lauri Niinistö
Acta Chem. Scand. A 1987, #41A, p. 548 - 555
"Crystal Structure of μ_4-Oxo-hexakis(μ-acetato)tetrazinc and Thermal Studies of its Precursor, Zinc Acetate Dihydrate"
DOI: 10.3891/acta.chem.scand.41a-0548

[648] Inorg. Chem. 2010, #49-10, p. 4620 - 4625
Sándor B. Ötvös, Ottó Berkesi, Tamás Körtvélyesi and István Pálinkó
"Synthesis and Spectroscopic and Computational Characterization of Zn_4O(Alicyclic or Aromatic Carboxylate)$_6$ Complexes as Potential MOF Precursors"
DOI: 10.1021/ic100205n

[649] Nature 1923, #111-2790, p. 532 (oben)
(Sir) William Henry Bragg
"Crystal Structure of Basic Beryllium Acetate."
DOI: 10.1038/111532a0

[650] a) Nature 1949, #163-4136, p. 225 - 226
T. Watanabe, T. Saito
"Poylmorphism of Beryllium Oxyacetate"
DOI: 10.1038/163225a0

b) Nature 1949, #164-4181, p. 1046
T. Watanabe, Y. Saito and H. Koyama
"Order-Disorder Transition in Beryllium Oxyacetate Crystals"
DOI: 10.1038/1641046a0

c) X-Rays, 1952, #7, p. 9 (in japanischer Schrift)
Y. Saito

[651] a) Compt. Rend. 1901 (07-12), #133, p. 874 - 876
G. Urbain und H. Lacombe (verlesen von Mr. Haller)
Chimie Minérale: "New volatile beryllium salt" / "Sur un nouveau sel de glucinium volatil."
http://gallica.bnf.fr/ark:/12148/bpt6k3089k/f874.image (bislang noch nicht als OCR)

b) Compt. Rend. 1902 (01-06), #134, p. 772 - 774
H. Lacombe (verlesen von Mr. Haller)
Chimie Minérale: "Sur un type de composés du glucinium"
http://gallica.bnf.fr/ark:/12148/bpt6k30902/f772.image
http://gallica.bnf.fr/ark:/12148/bpt6k30902/f772.texte

c) Inorg. Synth. 1950, #3, p. 4 - 11
Therald Moeller
"Basic Beryllium Derivatives of Organic Acids"
DOI: 10.1002/9780470132340.ch2

[652] a) Acta Cryst. 1959, #12, p. 623 - 626
A. Tulinsky, C. R. Worthington and F. Pignataro
"Basic beryllium acetate. I. The collection of intensity data"
DOI: 10.1107/S0365110X59001852

b) Acta Cryst. 1959, #12, p. 626 - 634
A. Tulinsky and C. R. Worthington
"Basic beryllium acetate. II. The structure analysis"
DOI: 10.1107/S0365110X59001864

c) Acta Cryst. 1959, #12, p. 634 - 637
A. Tulinsky
"Basic beryllium acetate. III. Evidence for chemical bonding; assessment of accuracy"
DOI: 10.1107/S0365110X59001876

[653] a) Proc. Chem. Soc. 1961, July (229 - 272), p. 242
C. C. Addison and A. Walker
"Basic Beryllium Nitrate"

b) Hollemann, Wiberg
"Lehrbuch der Anorganischen Chemie"
101. Auflage S. 1113 oben
Walter de Gruyter Verlag

[654] Z. Naturforsch. B 2001, #56B, p. 979 - 989 (freiheitlich zugänglich CC BY-ND v3)
Raphael J. F. Berger, Michael A. Schmidt, Jonas Jusélius, Dage Sundholm, Peter Sirsch and Hubert Schmidbaur
"Tetraberyllium-eta4-oxo-hexa(arylcarboxylates)"
http://www.znaturforsch.com/ab/v56b/c56b.htm (Stand Aug. 2015)

[655] a) ZAAC 1967, #353_5-6, p. 281 - 310 (speziell ab S. 301 für $[Mo_6Cl_8]Cl_4$, Strukturbild S. 308)
H. Schäfer, H-G. von Schnering, J. Tillack, F. Kuhnen, H. Wöhrle und H. Baumann
"Neue Untersuchungen über die Chloride des Molybdäns"
DOI: 10.1002/zaac.19673530510

b) Zeitschr. f. Kristallogr. - Cryst. Mat. 1993, #208-2, p. 368 - 369 (*via* Subito)
H. G. von Schnering, W. May and K. Peters
"Crystal structure of dodecachlorooctahedrohexamolybdenum, Mo_6Cl_{12}"
DOI: 10.1524/zkri.1993.208.Part-2.368

[656] Inorg. Chem. 1964, #3-9, p. 1217 - 1220
F. A. Cotton

"Metal Atom Clusters in Oxide Systems"
DOI: 10.1021/ic50019a003

[657] Pogg. 1826, #82/6-3, p. 331 - 350
(Ann. d. Phy 82 / Ann. d. Phy & Ch. 6, drittes Stück)
Jöns Jakob Berzelius
"Beitrag zur näheren Kenntniss des Molybdäns"
https://archive.org/details/annalenderphysi64pogggoog (Stand Sep 2015)

[658] J. f. prakt. Chem. 1857, #71-1 p. 449 - 471
Christian Wilhelm Blomstrand
"Ueber das Verhalten des Chlors zum Molybdän"
DOI: 10.1002/prac.18570710186

[659] J. f. prakt. Chem. 1859, #77-1, p. 88 - 119
(Christian) Wilhelm Blomstrand
"Ueber unorganische Haloidverbindungen, die sich wie Radicale verhalten"
DOI: 10.1002/prac.18590770122

[660] Arkiv foer Kemi ... 1950, #1-43, p. 353 - 372 (*via* Subito)
Cyrill Brosset
"On the structure of complex compounds of bivalent molybdenum. III"
Der Erstschrift konnte ich nicht habhaft werden.
Arkiv för Kemi ..., Mineralogi och Geologi 1945, #7 (?), p.A20 (?)
Cyrill Brosset

[661] Phil. Trans. R. Soc. A 2010. #368-1915 (Feb/Mar), p. 1285 - 1299; Themenausgabe Metal Clusters and Nanoparticles (G. Schmid and D. Fenske); kostenfrei zugänglich
Arndt Simon
"Metal clusters inside out"
DOI: 10.1098/rsta.2009.0271

[662] a) Brauer, Bd. 3, p. 1536
Molybdän(II)-bromid aus $[Mo_6Cl_8]Cl_4$ und LiBr

b) Inorg. Synth. 1970, #12, p. 165 - 178 (insbes. 171 - 178; speziell S. 176)
Melvin L. Larson, Piero Nannelli, B. P. Block, D. A. Edwards and A. K. Mallock
"II. Preparation of Some Metal Halides Anhydrous Molybdenum Halides and Oxide Halides - a Summary: Molybdenum(II) Halides"
DOI: 10.1002/9780470132432.ch29

c) J. Chem. Soc. (Resumed) 1962, p. 410 - 415
J. C. Sheldon
"Bromo- and Iodo-Molybdenum(II) Compounds."
DOI: 10.1039/JR9620000410

[663] Russian Journal of Coordination Chemistry 2007, #33-3 (March), p. 213 - 221 (*via* Subito)
Zh. S. Kozhomuratova, N. G. Naumov, D. Yu. Naumov, E. M. Uskov and V. E. Fedorov
"Octahedral cluster Mo complexes $(Bz_3NH)_3[Mo_6OCl_{13}]$ and $(Bz_3NH)_2[Mo_6Cl_{14}]$ x 2 CH_3CN: Synthesis, crystal structure and properties"
DOI: 10.1134/S1070328407030104

[664] Chem. Comm. 2000, p. 579 - 580
Simon Parsons, Andrew A. Smith and Richard E. P. Winpenny
"A novel dodecanuclear chromium(III) cage: structural control by choice of leaving group"
DOI: 10.1039/b001140l

[665] a) J. Am. Chem. Soc. 2002, #124-31, p. 9219 - 9228
Eric J. L. McInnes, Elna Pidcock, Vasily S. Oganesyan, Myles R. Cheesman, Annie K. Powell and Andrew J. Thomson
"Optical Detection of Spin Polarization in Single-Molecule Magnets $[Mn_{12}O_{12}(O_2CR)_{16}(H_2O)_4]$"
DOI: 10.1021/ja020456b

b) Monatsh. Chem. 2003, #134-2, p. 265 - 276 (*via* Subito; hier ist auch ein Säuretausch beschrieben)
Philippe Gerbier, Daniel Ruiz-Molina, Neus Domingo, David B. Amabilino, José Vidal-Gancedo, Javier Tejada,

David N. Hendrickson and Jaume Veciana
"Synthesis and Characterization of a [$Mn_{12}O_{12}(O_2CR)_{16}(H_2O)_4$] Complex Bearing Paramagnetic Carboxylate Ligands. Use of a Modified Acid Replacement Synthetic Approach"
DOI: 10.1007/s00706-002-0490-y
mit Bezug auf
Acta Cryst. B 1980, #B36-9, p. 2042 - 2046
T. Lis
"Preparation, structure, and magnetic properties of a dodecanuclear mixed-valence manganese carboxylate"
DOI: 10.1107/S0567740880007893

[666] Chem. Comm. London 1966, #16, p. 569a
A. B. Blake
"A tetranuclear oxopivalate of cobalt(II)"
DOI: 10.1039/C1966000569A

[667] Das Bild stammt von Alexander E. S. Van Driessche und wurde unter CC-BY-SA freigegeben.
https://en.wikipedia.org/wiki/File:Cristales_cueva_de_Naica.JPG (Okt. 2015)

[668] PNAS 2011, #108-38, p. 15721 - 15726 (+ Supp.; kostenfrei zugänglich)
A. E. S. Van Driessche, J. M. García-Ruíz, K. Tsukamoto, L. D. Patiño-Lopez and H. Satoh
"Ultraslow growth rates of giant gypsum crystals"
DOI 10.1073/pnas.1105233108

[669] Angew. 2002, #114-1, p. 50 - 80
Thomas Steiner
"Die Wasserstoffbrücke im Festkörper"
DOI: 10.1002/1521-3757(20020104)114:1<50::AID-ANGE50>3.0.CO;2-H
ACIE 2002, #41-1, p. 48 - 76
Thomas Steiner
"The Hydrogen Bond in the Solid State"
DOI: 10.1002/1521-3773(20020104)41:1<48::AID-ANIE48>3.0.CO;2-U

[670] a) Die Wikipedia bietet eine schnelle Übersicht über Pyridin und höhere Analoga:
https://de.wikipedia.org/wiki/Pyridin
und speziell
https://de.wikipedia.org/wiki/Datei:Bond_lengths_of_group_15_heterobenzenes_and_benzene.svg

b) Steiner [669] S. 69 in der dt. Ausgabe

c) J. Chem. Phys. 1981, #75-3 (Aug.), p. 1517 - 1522
Dietrich Mootz and Hans-Georg Wussow
"Crystal structures of pyridine and pyridine trihydrate"
DOI: 10.1063/1.442204

d) zum Vergleich Pyridin Hydrochloride
Z. Naturforsch. B 1989, #44-10, p. 1239 - 1246 (freiheitlich zugänglich CC BY-NC-ND v3.0)
Dietrich Mootz and Jörg Hocken
"Das System Pyridin-Chlorwasserstoff: Bildung und Struktur kristalliner Addukte / The System Pyridine-Hydrogen Chloride: Formation and Structure of Crystalline Adducts"
DOI: 10.1515/znb-1989-1017

[671] JACS 2002, #124-36, p. 10887 - 10893
Mutasem Omar Sinnokrot, Edward F. Valeev and C. David Sherrill
"Estimates of the Ab Initio Limit for π-π Interactions: The Benzene Dimer"
DOI: 10.1021/ja025896h

[672] Gespräch mit Prof. Klaus Müllen; eigene Erfahrungen mit Ph_4C und anderen

[673] Cryst. Eng. Comm. 2014, #16, p. 6291 - 6295
Ru-Jin Li, Mian Li, Xiao-Ping Zhou, Seik Weng Ng, Michael O'Keeffe and Dan Li
"ROD-8, a rod MOF with a pyrene-cored tetracarboxylate linker: framework disorder, derived nets and selective gas adsorption"
DOI: 10.1039/c4ce00279b

[674] Chem. Comm. 2014, #50, p. 4047 - 4049
Ru-Jin Li, Mian Li, Xiao-Ping Zhou, Dan Li and Michael O'Keeffe
"A highly stable MOF with a rod SBU and a tetracarboxylate linker: unusual topology and CO_2 adsorption behaviour under ambient conditions"
DOI: 10.1039/c3cc49684h

[675] JACS 2012, #134-50, p. 20466 - 20478
Kyriakos C. Stylianou, Jeremy Rabone, Samantha Y. Chong, Romain Heck, Jayne Armstrong, Paul V. Wiper, Kim E. Jelfs, Sergey Zlatogorsky, John Bacsa, Alec G. McLennan, Christopher P. Ireland, Yaroslav Z. Khimyak, K. Mark Thomas, Darren Bradshaw and Matthew J. Rosseinsky
"Dimensionality Transformation through Paddlewheel Reconfiguration in a Flexible and Porous Zn-Based Metal-Organic Framework"
DOI: 10.1021/ja308995t

[676] JACS 2013, #135-28, p. 10294 - 10297
Joseph E. Mondloch, Wojciech Bury, David Fairen-Jimenez, Stephanie Kwon, Erica J. DeMarco, Mitchell H. Weston, Amy A. Sarjeant, SonBinh T. Nguyen, Peter C. Stair, Randall Q. Snurr, Omar K. Farha and Joseph T. Hupp
"Vapor-Phase Metalation by Atomic Layer Deposition in a Metal-Organic Framework"
DOI: 10.1021/ja4050828

[677] APL Mater. 2014, #2, article 123901
Casey J. Stephenson, M. Hassan Beyzavi, Rachel C. Klet, Joseph T. Hupp and Omar K. Farha
"Research Update: A hafnium-based metal-organic framework as a catalyst for regioselective ring-opening of epoxides with a mild hydride source"
DOI: 10.1063/1.4898359

[678] JACS 2014, #136-45, p. 15861 - 15864
M. Hassan Beyzavi, Rachel C. Klet, Samat Tussupbayev, Joshua Borycz, Nicolaas A. Vermeulen, Christopher J. Cramer, J. Fraser Stoddart, Joseph T. Hupp and Omar K. Farha
"A Hafnium-Based Metal-Organic Framework as an Efficient and Multifunctional Catalyst for Facile CO2 Fixation and Regioselective and Enantioretentive Epoxide Activation"
DOI: 10.1021/ja508626n

[679] ZAAC 2014, #640-11, p. 2123 - 2131
Kyriakos C. Stylianou, John Bacsa, Darren Bradshaw and Matthew J. Rosseinsky
"A 3D Porous Metal Organic Framework Based on Infinite 1D Nickel(II) Chains with Rutile Topology Displaying Open Metal Sites"
DOI: 10.1002/zaac.201400136

[680] Cryst. Growth Des. 2014, #14-5, p. 2522 - 2526
Hussah Alawisi, Bin Li, Yabing He, Hadi D. Arman, Abdullah M. Asiri, Hailong Wang and Banglin Chen
"A Microporous Metal-Organic Framework Constructed from a New Tetracarboxylic Acid for Selective Gas Separation"
DOI: 10.1021/cg500235j

[681] Recueil, 1969, #88-5, p. 545 - 552 (*via* Subito)
L. W. Hessel and C. Romers
"The crystal structure of "anhydrous manganic acetate""
DOI: 10.1002/recl.19690880505

[682] (eingereicht Mitte Dez. 2015) Dalton Trans. 2016, #45-17, p. 7181 - 7522 (freiheitlich zugänglich; CC-BY-NC)
A. V. Vinogradov, V. A. Milichko, H. Zaake-Hertling, A. Aleksovska, S. Gruschinski, S. Schmorl, B. Kersting, E. M. Zolnhofer, J. Sutter, K. Meyer, P. Lönnecke and E. Hey-Hawkins
"Unique anisotropic optical properties of a highly stable metal-organic framework based on trinuclear iron(III) secondary building units linked by tetracarboxylic linkers with an anthracene core"
DOI: 10.1039/c6dt00390g

[683] a) Inorg. Chem. 1995, #35-11, p. 3011 - 3024
David P. Goldberg, Joshua Telser, Cecilia M. Bastos and Stephen J. Lippard
"Ferromagnetic versus Antiferromagnetic Exchange in Five Structurally Analogous Carboxylate-Bridged Trinuclear Ferrous Complexes"
DOI: 10.1021/ic00115a032

b) Inorg. Chem. 1990, #29-26, p. 5174 - 5183
Feng Jung Wu, Donald M. Kurtz (Jr.), Karl S. Hagen, Philip D. Nyman, Peter G. Debrunner and Vivian A. Vankai
"(μ-Oxo/hydroxo)bis(μ-carboxylato)diiron(III) and -dimanganese(III) Complexes with Capping Tris(imidazol-2-yl)phosphine Ligands"
DOI: 10.1021/ic00351a009

[684] Benedikt Schwarze
"Solid-state and hyperpolarised ^{129}Xe NMR experiments on the "SOS"-metal–organic framework"
April 2015, Universität Leipzig AK Prof. Jörg Matysik

[685] M. Hesse, H. Meier, B. Zeeh
"Spektroskopische Methoden in der organischen Chemie"
8. Aufl., Thieme Vlg., Stuttgart, 2005

[686] Inorg. Chem. 2014, #53-19, p. 10432 - 10436
Olga Karagiaridi, Wojciech Bury, David Fairen-Jimenez, Christopher E. Wilmer, Amy A. Sarjeant, Joseph T. Hupp and Omar K. Farha
"Enhanced Gas Sorption Properties and Unique Behavior toward Liquid Water in a Pillared-Paddlewheel Metal-Organic Framework Transmetalated with Ni(II)"
DOI: 10.1021/ic501467w

[687] Nachrichten aus der Chemie 2015, #4, p. 443 - 444
Michael Groß
"Was macht der Müll im Meer?"

[688] Journal of Materials Chemistry 2012, #22-37, p. 20065 - 20070
Shingo Yamaguchi, Isao Yoshikawa, Toshiki Mutai and Koji Araki
"Solid-state luminescence of tetraphenylpyrene derivatives: mechano/vapochromic luminescence of 1,3,6,8-tetra(4'-carboxyphenyl)pyrene"
DOI: 10.1039/c2jm33690a