

Juergen Senker

List of Publications by Year in descending order

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186
papers

10,850
citations

41258

49
h-index

32761

100
g-index

203
all docs

203
docs citations

203
times ranked

11068
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun, non-woven fiber membranes of porous polyimides with high carbon dioxide uptakes and selectivities. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111519.	2.2	1
2	Supposedly identical microplastic particles substantially differ in their material properties influencing particle-cell interactions and cellular responses. <i>Journal of Hazardous Materials</i> , 2022, 425, 127961.	6.5	29
3	Quantification of photooxidative defects in weathered microplastics using ¹³ C multiCP NMR spectroscopy. <i>RSC Advances</i> , 2022, 12, 10875-10885.	1.7	10
4	Highly Efficient Supramolecular Nucleating Agents for Poly(3-hexylthiophene). <i>Macromolecules</i> , 2022, 55, 2861-2871.	2.2	4
5	Degradation of low-density polyethylene to nanoplastic particles by accelerated weathering. <i>Science of the Total Environment</i> , 2022, 826, 154035.	3.9	42
6	Crystal structure of phenanthrene salts stabilized by 15-crown-5 and 18-crown-6. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2022, 77, 197-201.	0.3	1
7	Portable Hyperpolarized Xe-129 Apparatus with Long-Time Stable Polarization Mediated by Adaptable Rb Vapor Density. <i>Journal of Physical Chemistry A</i> , 2022, , .	1.1	4
8	Ultramicroporous polyimides with hierarchical morphology for carbon dioxide separation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12797-12806.	5.2	13
9	Iron(II) spin crossover complexes with a sulfur rich ligand backbone. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	2
10	¹⁹ F MAS DNP for Probing Molecules in Nanomolar Concentrations: Direct Polarization as Key for Solid-State NMR Spectra without Solvent and Matrix Signals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7287-7296.	1.5	8
11	Insights into the Positive Effect of Post-Annealing on the Electrochemical Performance of Al ₂ O ₃ -Coated Ni-Rich NCM Cathodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 3369-3380.	2.5	58
12	Kinked Bisamides as Efficient Supramolecular Foam Cell Nucleating Agents for Low-Density Polystyrene Foams with Homogeneous Microcellular Morphology. <i>Polymers</i> , 2021, 13, 1094.	2.0	8
13	Spin-ice physics in cadmium cyanide. <i>Nature Communications</i> , 2021, 12, 2272.	5.8	7
14	Synthesis and Characterization of Dual-Functional Carbamates as Blowing and Curing Agents for Epoxy Foam. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 7065-7080.	1.8	7
15	Understanding disorder and linker deficiency in porphyrinic zirconium-based metal-organic frameworks by resolving the Zr ₈ O ₆ cluster conundrum in PCN-221. <i>Nature Communications</i> , 2021, 12, 3099.	5.8	41
16	Co-Catalyzed Synthesis of Primary Amines via Reductive Amination employing Hydrogen under very mild Conditions. <i>ChemSusChem</i> , 2021, 14, 2360-2366.	3.6	22
17	Reconstructing the Environmental Degradation of Polystyrene by Accelerated Weathering. <i>Environmental Science & Technology</i> , 2021, 55, 7930-7938.	4.6	94
18	Flexible, Mechanically Stable, Porous Self-Standing Microfiber Network Membranes of Covalent Organic Frameworks: Preparation Method and Characterization. <i>Advanced Functional Materials</i> , 2021, 31, 2106507.	7.8	34

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19	Crystal engineering of supramolecular 1,4-benzene bisamides by side chain modification towards tuneable anisotropic morphologies and surfaces. <i>ChemPhysChem</i> , 2021, 22, 2585.	1.0	2
20	Combining Metal Nanoparticles with an Ir(III) Photosensitizer. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25765-25773.	1.5	0
21	Diammonium-Pillared MOPS with Dynamic CO ₂ Selectivity. <i>Cell Reports Physical Science</i> , 2020, 1, 100210.	2.8	7
22	Design and Precursor-based Solid-State Synthesis of Mixed-Linker Zr-MIL-140A. <i>Inorganic Chemistry</i> , 2020, 59, 15250-15261.	1.9	4
23	Time Scales of the Quasitetrahedral Motion in KMnO ₄ Observed by ¹⁷ O Central-Transition NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16202-16208.	1.5	1
24	Hydroxyl Defects and Oxide Vacancies within Ringwoodite toward Understanding the Defect Chemistry of Spinel-Type Oxides. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12001-12009.	1.5	6
25	From Ultraslow to Extremely Fast Dynamics in Sodium Nitrate: an ¹⁷ O NMR Study. <i>Applied Magnetic Resonance</i> , 2020, 51, 597-620.	0.6	2
26	Reorientational dynamics of trimethoxyboroxine: A molecular glass former studied by dielectric spectroscopy and ¹¹ B nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , 2020, 152, 034503.	1.2	8
27	La ₃ B ₆ O ₁₃ (OH): The First Acentric High-Pressure Borate Displaying Edge-Sharing BO ₄ Tetrahedra. <i>Chemistry - A European Journal</i> , 2020, 26, 6851-6861.	1.7	23
28	Solvent Impact on the Properties of Benchmark Metal-Organic Frameworks: Acetonitrile-Based Synthesis of CAU-10, CeUiO-66, and Al-MIL-53. <i>Chemistry - A European Journal</i> , 2020, 26, 3877-3883.	1.7	35
29	Structural Insights into Poly(Heptazine Imides): A Light-Storing Carbon Nitride Material for Dark Photocatalysis. <i>Chemistry of Materials</i> , 2019, 31, 7478-7486.	3.2	151
30	Oxygen Vacancy Ordering in Aluminous Bridgmanite in the Earth's Lower Mantle. <i>Geophysical Research Letters</i> , 2019, 46, 8731-8740.	1.5	12
31	Structure of Na ₃ [Al(L-Lactate) ₃] ₂ ·6H ₂ O Crystallized from Lohtragon AL 250: A Commercial Cement Adjuvant. <i>Crystal Growth and Design</i> , 2019, 19, 4557-4563.	1.4	1
32	Synthesis, Crystal Structure, and Selected Properties of [Au(S ₂ CNH ₂) ₂] ₂ SCN: A Precursor for Gold Macro-Needles Consisting of Gold Nanoparticles Glued by Graphitic Carbon Nitride. <i>Chemistry - A European Journal</i> , 2019, 25, 6763-6772.	1.7	5
33	Selective host-guest interactions in metal-organic frameworks <i>in</i> via multiple hydrogen bond donor-acceptor recognition sites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10379-10388.	5.2	25
34	Elucidating the formation of Al-NBO bonds, Al-O-Al linkages and clusters in alkaline-earth aluminosilicate glasses based on molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23966-23977.	1.3	20
35	Rapidly oscillating microbubbles force development of micro- and mesoporous interfaces and composition gradients in solids. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 439-443.	3.8	5
36	Microporous Organically Pillared Layered Silicates (MOPS): A Versatile Class of Functional Porous Materials. <i>Chemistry - A European Journal</i> , 2019, 25, 2103-2111.	1.7	4

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37	Determination of the charge of Al ₁₃ Keggin oligocations intercalated into synthetic hectorite. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2019, 74, 85-90.	0.3	0
38	Two-site jumps in dimethyl sulfone studied by one- and two-dimensional ¹⁷ O NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2018, 288, 84-94.	1.2	16
39	Magnesium doped Gallium Phosphonates Ga _{1-x} Mg _x [H _{3+<i>x</i>} (O ₃ PCH ₂) ₃ N] (<i>x</i> = 0, 0.20) and the Influence on Proton Conductivity. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 86-91.	0.6	4
40	Structure and Crystallization of Alkaline-Earth Aluminosilicate Glasses: Prevention of the Alumina-Avoidance Principle. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4737-4747.	1.2	42
41	Probing Interactions of N-Donor Molecules with Open Metal Sites within Paramagnetic Cr-MIL-101: A Solid-State NMR Spectroscopic and Density Functional Theory Study. <i>Journal of the American Chemical Society</i> , 2018, 140, 2135-2144.	6.6	41
42	Quantitative description of ¹ H SQ and DQ coherences for the hydroxyl disorder within hydrous ringwoodite. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15098-15105.	1.3	9
43	Anhydrous proton conduction in porous organic networks. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21542-21549.	5.2	9
44	Exploring Local Disorder within CAU-1 Frameworks Using Hyperpolarized ¹²⁹ Xe NMR Spectroscopy. <i>Langmuir</i> , 2018, 34, 12538-12548.	1.6	17
45	Crumple zones in MOFs. <i>Nature Chemistry</i> , 2018, 10, 1079-1081.	6.6	10
46	Synthese und Charakterisierung von Cs ₄ Ga ₆ Q ₁₁ (Q =S, Se) "Chalkogenogallate mit au"ergew"hnlichen polymeren Anionen. <i>Angewandte Chemie</i> , 2018, 130, 16442-16447.	1.6	2
47	Synthesis and Characterization of Cs ₄ Ga ₆ Q ₁₁ (Q=S, Se): Chalcogenometalates with Exotic Polymeric Anions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16210-16214.	7.2	5
48	Two-Step Delamination of Highly Charged, Vermiculite-like Layered Silicates via Ordered Heterostructures. <i>Langmuir</i> , 2017, 33, 4816-4822.	1.6	19
49	Water mediated proton conduction in a sulfonated microporous organic polymer. <i>Chemical Communications</i> , 2017, 53, 7592-7595.	2.2	23
50	Fundamental theoretical and practical investigations of the polymorph formation of small amphiphilic molecules, their co-crystals and salts. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017, 232, 55-67.	0.4	4
51	Frontispiece: Mesoscale Polarization by Geometric Frustration in Columnar Supramolecular Crystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	7.2	0
52	Mesoscale Polarization by Geometric Frustration in Columnar Supramolecular Crystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4432-4437.	7.2	30
53	Polarisation auf der Mesoskala durch geometrische Frustration in kolumnaren supramolekularen Kristallen. <i>Angewandte Chemie</i> , 2017, 129, 4502-4508.	1.6	10
54	Constant Volume Gate-Opening by Freezing Rotational Dynamics in Microporous Organically Pillared Layered Silicates. <i>Journal of the American Chemical Society</i> , 2017, 139, 904-909.	6.6	25

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55	Systematic evaluation of different types of graphene oxide in respect to variations in their in-plane modulus. Carbon, 2017, 114, 700-705.	5.4	44
56	Proton-driven coordination-induced spin state switch (PD-CISSS) of iron(II) complexes. Chemical Communications, 2017, 53, 971-974.	2.2	46
57	Understanding the Formation of CaAl ₂ Si ₂ O ₈ in Melilite-Based Glass-Ceramics: Combined Diffraction and Spectroscopic Studies. ACS Omega, 2017, 2, 6233-6243.	1.6	26
58	New Group 13 MIL-53 Derivates based on 2,5-Thiophenedicarboxylic Acid. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1600-1608.	0.6	44
59	Formation and Structural Diversity of Organo-Functionalized Tin-Silver Selenide Clusters. Chemistry - A European Journal, 2017, 23, 15607-15611.	1.7	13
60	Frontispiz: Polarisation auf der Mesoskala durch geometrische Frustration in kolumnaren supramolekularen Kristallen. Angewandte Chemie, 2017, 129, .	1.6	0
61	Hidden Oceans? Unraveling the Structure of Hydrous Defects in the Earth's Deep Interior. Journal of the American Chemical Society, 2017, 139, 10499-10505.	6.6	23
62	BILP-19-An Ultramicroporous Organic Network with Exceptional Carbon Dioxide Uptake. Molecules, 2017, 22, 1343.	1.7	12
63	Structure, disorder and function of supramolecular polymer additives. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C323-C323.	0.0	0
64	Investigation of layered and porous nanomaterials by electron diffraction tomography. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C63-C63.	0.0	0
65	Microphase separation upon crystallization of small amphiphilic molecules: a low temperature form II of sodium benzoate (E 211). CrystEngComm, 2016, 18, 5811-5817.	1.3	3
66	Microporous Organic Polyimides for CO ₂ and H ₂ O Capture and Separation from CH ₄ and N ₂ Mixtures: Interplay between Porosity and Chemical Function. Chemistry of Materials, 2016, 28, 5461-5470.	3.2	61
67	Solving the Hydrogen and Lithium Substructure of Poly(triazine imide)/LiCl Using NMR Crystallography. Chemistry - A European Journal, 2016, 22, 16878-16890.	1.7	54
68	Rational design of carbon nitride photocatalysts by identification of cyanamide defects as catalytically relevant sites. Nature Communications, 2016, 7, 12165.	5.8	586
69	Donor-Acceptor-Type Heptazine-Based Polymer Networks for Photocatalytic Hydrogen Evolution. Energy Technology, 2016, 4, 744-750.	1.8	102
70	Structure and properties of Al-MIL-53-ADP, a breathing MOF based on the aliphatic linker molecule adipic acid. Dalton Transactions, 2016, 45, 4179-4186.	1.6	54
71	Trimorphism of Betamethasone Valerate: Preparation, Crystal Structures, and Thermodynamic Relations. Crystal Growth and Design, 2015, 15, 366-373.	1.4	12
72	The Same at a First Glance: The Diffractogram of a New Polymorph of Anhydrous Sodium Luminolate Almost Perfectly Resembles the Diffraction Trace of an Already Known Polymorph. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 332-338.	0.6	6

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73	Room temperature synthesis of an amorphous MoS ₂ based composite stabilized by N-donor ligands and its light-driven photocatalytic hydrogen production. RSC Advances, 2015, 5, 67742-67751.	1.7	14
74	Hollow silica sphere colloidal crystals: insights into calcination dependent thermal transport. Nanoscale, 2015, 7, 10059-10070.	2.8	54
75	The use of ultrasonic cavitation for near-surface structuring of robust and low-cost AlNi catalysts for hydrogen production. Green Chemistry, 2015, 17, 2745-2749.	4.6	37
76	[Al ₂ (OH) ₂ (TCPB)] – An Al-MOF based on a tetratopic linker molecule. Microporous and Mesoporous Materials, 2015, 216, 27-35.	2.2	18
77	Influence of Strontium Oxide on Structural Transformations in Diopside-Based Glass-Ceramics Assessed by Diverse Structural Tools. Journal of Physical Chemistry C, 2015, 119, 11482-11492.	1.5	15
78	Porous imine-based networks with protonated imine linkages for carbon dioxide separation from mixtures with nitrogen and methane. Journal of Materials Chemistry A, 2015, 3, 18492-18504.	5.2	92
79	Phenyl-triazine oligomers for light-driven hydrogen evolution. Energy and Environmental Science, 2015, 8, 3345-3353.	15.6	238
80	Low-Molecular-Weight Carbon Nitrides for Solar Hydrogen Evolution. Journal of the American Chemical Society, 2015, 137, 1064-1072.	6.6	321
81	Influence of proton coupling on symmetry-based homonuclear ¹⁹ F dipolar recoupling experiments. Solid State Nuclear Magnetic Resonance, 2015, 65, 122-131.	1.5	3
82	Enhancing the Water Stability of Al ₂ O ₃ -NH ₂ via Postsynthetic Modification. Chemistry - A European Journal, 2015, 21, 314-323.	1.7	87
83	Fe/Ga-CFA-6 – metal organic frameworks featuring trivalent metal centers and the 4,4'-bipyrazolyl ligand. CrystEngComm, 2015, 17, 313-322.	1.3	7
84	Azobenzene-Functionalized SBA-15 Material for Application in Selective Separation. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 595-603.	0.6	8
85	NMR Crystallography. Annual Reports on NMR Spectroscopy, 2014, 82, 1-57.	0.7	73
86	Influence of fluorine side-group substitution on the crystal structure formation of benzene-1,3,5-trisamides. CrystEngComm, 2014, 16, 9273-9283.	1.3	10
87	A fluorene based covalent triazine framework with high CO ₂ and H ₂ capture and storage capacities. Journal of Materials Chemistry A, 2014, 2, 5928-5936.	5.2	159
88	Crystalline Carbon Nitride Nanosheets for Improved Visible-Light Hydrogen Evolution. Journal of the American Chemical Society, 2014, 136, 1730-1733.	6.6	614
89	Formation and Characterization of Melam, Melam Hydrate, and a Melam – Melem Adduct. Chemistry - A European Journal, 2013, 19, 2041-2049.	1.7	81
90	Performance Improvement of Nanocatalysts by Promoter-Induced Defects in the Support Material: Methanol Synthesis over Cu/ZnO:Al. Journal of the American Chemical Society, 2013, 135, 6061-6068.	6.6	201

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91	Triazine-based Carbon Nitrides for Visible-Light-Driven Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2435-2439.	7.2	401
92	Nanoplatelets of Sodium Hectorite Showing Aspect Ratios of ~ 2000 and Superior Purity. <i>Langmuir</i> , 2013, 29, 1280-1285.	1.6	109
93	Probing self-assembled 1,3,5-benzenetrisamides in isotactic polypropylene by ^{13}C DQ solid-state NMR spectroscopy. <i>Chemical Communications</i> , 2013, 49, 267-269.	2.2	13
94	NMR-crystallographic study of two-dimensionally self-assembled cyclohexane-based low-molecular-mass organic compounds. <i>CrystEngComm</i> , 2013, 15, 8784.	1.3	16
95	Theoretical Investigation of Macrodipoles in Supramolecular Columnar Stacks. <i>Chemistry - A European Journal</i> , 2013, 19, 1647-1657.	1.7	49
96	Microporous Functionalized Triazine-Based Polyimides with High CO_2 Capture Capacity. <i>Chemistry of Materials</i> , 2013, 25, 970-980.	3.2	255
97	Porosity of Pillared Clays Studied by Hyperpolarized ^{129}Xe NMR Spectroscopy and Xe Adsorption Isotherms. <i>Langmuir</i> , 2013, 29, 643-652.	1.6	27
98	Identifying Selective Host-Guest Interactions Based on Hydrogen Bond Donor-Acceptor Pattern in Functionalized Al-MIL-53 Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19991-20001.	1.5	38
99	Crystal Structure of a Highly Efficient Clarifying Agent for Isotactic Polypropylene. <i>Crystal Growth and Design</i> , 2012, 12, 2543-2551.	1.4	36
100	Reactions with Oleum under Harsh Conditions: Characterization of the Unique $[\text{M}(\text{S}_2\text{O}_7)_3]^{2-}$ Ions (M=Si, Ge, Sn) in $\text{A}_2[\text{M}(\text{S}_2\text{O}_7)_3]$ (A=NH ₄ , Ag). <i>Chemistry - A European Journal</i> , 2012, 18, 15495-15503.	1.7	31
101	$\text{A}_2[\text{Si}(\text{S}_2\text{O}_7)_3]$ (A = Na, K, Rb), $\text{A}_2[\text{Ce}(\text{S}_2\text{O}_7)_3]$ (A = Li, Na, K, Rb, Cs), $\text{A}_2[\text{Sn}(\text{S}_2\text{O}_7)_3]$ (A = Na, K), and the Unique Germanate $\text{Hg}_2[\text{Ge}(\text{S}_2\text{O}_7)_3]\text{Cl}_2$ with Cationic Control	0.6	25
102	Controlled modification of the inorganic and organic bricks in an Al-based MOF by direct and post-synthetic synthesis routes. <i>CrystEngComm</i> , 2012, 14, 4126.	1.3	52
103	SMARTER crystallography of the fluorinated inorganic-organic compound $\text{Zn}_3\text{Al}_2\text{F}_{12}\cdot[\text{HAMAZ}]_6$. <i>Dalton Transactions</i> , 2012, 41, 6232.	1.6	43
104	A new Al-MOF based on a unique column-shaped inorganic building unit exhibiting strongly hydrophilic sorption behaviour. <i>Chemical Communications</i> , 2012, 48, 9486.	2.2	81
105	Robust Microporous Monoliths with Integrated Catalytically Active Metal Sites Investigated by Hyperpolarized ^{129}Xe NMR. <i>Chemistry of Materials</i> , 2012, 24, 3952-3963.	3.2	48
106	Accurate Structural Description of the Two Nanoporous Fluorinated Aluminophosphates ULM-3(Al) and ULM-4(Al) by Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21489-21498.	1.5	17
107	Thermoanalytical Evidence of Metastable Molecular Defects in Form I of Benzamide. <i>Crystal Growth and Design</i> , 2012, 12, 5365-5372.	1.4	19
108	Calculations of NMR Chemical Shifts for Xe Guests in MIL53. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1603-1603.	0.6	0

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109	Polymorphism in co-crystals: a metastable form of the ionic co-crystal 2 HBz·1 NaBz crystallised by flash evaporation. <i>CrystEngComm</i> , 2012, 14, 6744.	1.3	32
110	Sonochemical Activation of Al/Ni Hydrogenation Catalyst. <i>Advanced Functional Materials</i> , 2012, 22, 3128-3135.	7.8	49
111	A new aluminium-based microporous metal-organic framework: Al(BTB) (BTB =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 1d	2.2	58
112	Impact of initial solvent on thermal stability and mechanical properties of recombinant spider silk films. <i>Journal of Materials Chemistry</i> , 2011, 21, 13594.	6.7	60
113	Covalent Grafting to 1/4-Hydroxy-Capped Surfaces? A Kaolinite Case Study. <i>Chemistry of Materials</i> , 2011, 23, 3152-3158.	3.2	60
114	HPâ€KB₃O₅ Highlights the Structural Diversity of Borates: Cornerâ€Sharing BO₃/BO₄ Groups in Combination with Edgeâ€Sharing BO₄ Tetrahedra. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4147-4152.	1.0	59
115	[Zn(C₃H₃N₂)(C₃H₂N₂â€N=Nâ€C₆H₅)]â€ a Mixedâ€Linker ZIF Containing a Photoâ€switchable Phenylazo Group. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5378-5383.	1.0	46
116	Rational Syntheses and Structural Characterization of Sulfurâ€Rich Phosphorus Polysulfides: Î±â€P₂S₇ and Î²â€P₂S₇. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10996-11000.	7.2	20
117	Poly(triazine imide) with Intercalation of Lithium and Chloride Ions [(C₃N₃)₂(NH_x)₃Li_{1â€x})₃â€LiCl]â€283 A Crystalline 2D Carbon Nitride Network. <i>Chemistry - A European Journal</i> , 2011, 17, 3213-3221.		
118	Improvement of thermal and mechanical properties of a phenolic resin nanocomposite by <i>in situ</i> formation of silsesquioxanes from a molecular precursor. <i>Journal of Applied Polymer Science</i> , 2010, 117, 2272-2277.	1.3	21
119	Facile Scalable Synthesis of Rectorites. <i>Chemistry of Materials</i> , 2010, 22, 186-196.	3.2	34
120	Microporous PILCs â€” Synthesis, pillaring mechanism and selective cation exchange. <i>Applied Clay Science</i> , 2010, 48, 146-153.	2.6	20
121	Tackling the stacking disorder of melonâ€” structure elucidation in a semicrystalline material. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2227.	1.3	60
122	Melamineâ€Melem Adduct Phases: Investigating the Thermal Condensation of Melamine. <i>Chemistry - A European Journal</i> , 2009, 15, 13161-13170.	1.7	110
123	[Al₄(OH)₂(OCH₃)₄(H₂Nâ€bdc)₃]â€â€H₂O A 12â€Connected Porous Metalâ€Organic Framework with an Unprecedented Aluminumâ€Containing Brick. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5163-5166.	7.2	260
124	Protonated Melonate Ca[HC6N7(NCN)3]Â·7H2O - Synthesis, Crystal Structure, and Thermal Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, NA-NA.	0.6	6
125	Synthesis and Modification of a Functionalized 3D Open-Framework Structure with MIL-53 Topology. <i>Inorganic Chemistry</i> , 2009, 48, 3057-3064.	1.9	358
126	WÃ¶hler and Liebig Revisited: 176 Years of Polymorphism in Benzamide - and the Story Still Continues!. <i>Crystal Growth and Design</i> , 2009, 9, 2435-2441.	1.4	41

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127	Structure elucidation of polyheptazine imide by electron diffraction—a templated 2D carbon nitride network. <i>Chemical Communications</i> , 2009, , 1541.	2.2	104
128	An NMR crystallographic approach for the determination of the hydrogen substructure of nitrogen bonded protons. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3522.	1.3	32
129	Poly(heptazinimid) —ein kovalentes 2D-polymeres Kohlenstoffnitrid-Netzwerk. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2014-2014.	0.6	0
130	FK-NMR-Charakterisierung der Fehlordnung des Pillared Clay (DDABCO-Hectorit). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2041-2041.	0.6	0
131	Polymerisation von Kohlenstoffnitriden in Schichtsilicaten. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2059-2059.	0.6	0
132	Detektion subkritischer Keime einer molekularen Flüssigkeit im System Triphenylphosphit. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2075-2075.	0.6	0
133	Pt@MOF-177: Synthesis, Room-Temperature Hydrogen Storage and Oxidation Catalysis. <i>Chemistry - A European Journal</i> , 2008, 14, 8204-8212.	1.7	272
134	Structure elucidation of cyameluric acid by combining solid-state NMR spectroscopy, molecular modeling and direct-space methods. <i>Journal of Molecular Structure</i> , 2008, 889, 217-228.	1.8	33
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