

# Juergen Senker

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

182  
papers

8,810  
citations

45  
h-index

90  
g-index

203  
ext. papers

9,795  
ext. citations

6  
avg, IF

6.04  
L-index

#	Paper	IF	Citations
182	Supposedly identical microplastic particles substantially differ in their material properties influencing particle-cell interactions and cellular responses.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 425, 127961	12.8	4
181	Electrospun, non-woven fiber membranes of porous polyimides with high carbon dioxide uptakes and selectivities. <i>Microporous and Mesoporous Materials</i> , <b>2022</b> , 329, 111519	5.3	
180	Quantification of photooxidative defects in weathered microplastics using C multiCP NMR spectroscopy.. <i>RSC Advances</i> , <b>2022</b> , 12, 10875-10885	3.7	2
179	Degradation of low-density polyethylene to nanoplastic particles by accelerated weathering.. <i>Science of the Total Environment</i> , <b>2022</b> , 154035	10.2	2
178	Combining Metal Nanoparticles with an Ir(III) Photosensitizer. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 25765-25773	3.8	
177	Crystal Engineering of Supramolecular 1,4-Benzene Bisamides by Side-Chain Modification - Towards Tuneable Anisotropic Morphologies and Surfaces. <i>ChemPhysChem</i> , <b>2021</b> , 22, 2585	3.2	0
176	Insights into the Positive Effect of Post-Annealing on the Electrochemical Performance of Al <sub>2</sub> O <sub>3</sub> -Coated Ni-Rich NCM Cathodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 3369-3380	6.1	12
175	Kinked Bisamides as Efficient Supramolecular Foam Cell Nucleating Agents for Low-Density Polystyrene Foams with Homogeneous Microcellular Morphology. <i>Polymers</i> , <b>2021</b> , 13,	4.5	7
174	Spin-ice physics in cadmium cyanide. <i>Nature Communications</i> , <b>2021</b> , 12, 2272	17.4	1
173	Synthesis and Characterization of Dual-Functional Carbamates as Blowing and Curing Agents for Epoxy Foam. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 7065-7080	3.9	1
172	Understanding disorder and linker deficiency in porphyrinic zirconium-based metal-organic frameworks by resolving the ZrO cluster conundrum in PCN-221. <i>Nature Communications</i> , <b>2021</b> , 12, 3099	17.4	14
171	Co-Catalyzed Synthesis of Primary Amines via Reductive Amination employing Hydrogen under very mild Conditions. <i>ChemSusChem</i> , <b>2021</b> , 14, 2360-2366	8.3	4
170	Reconstructing the Environmental Degradation of Polystyrene by Accelerated Weathering. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7930-7938	10.3	23
169	Iron(II) spin crossover complexes with a sulfur rich ligand backbone. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 083901	2.5	2
168	<sup>19</sup> 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> , <b>2021</b> , 125, 7287-7296	3.8	2
167	Hydroxyl Defects and Oxide Vacancies within Ringwoodite: Toward Understanding the Defect Chemistry of Spinel-Type Oxides. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 12001-12009	3.8	5
166	From Ultraslow to Extremely Fast Dynamics in Sodium Nitrate: an <sup>17</sup> O NMR Study. <i>Applied Magnetic Resonance</i> , <b>2020</b> , 51, 597-620	0.8	2

165	Reorientational dynamics of trimethoxyboroxine: A molecular glass former studied by dielectric spectroscopy and B nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 034503	3.9	6
164	La B O (OH): The First Acentric High-Pressure Borate Displaying Edge-Sharing BO Tetrahedra. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6851-6861	4.8	11
163	Diammonium-Pillared MOPS with Dynamic CO <sub>2</sub> Selectivity. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 1002106.1		3
162	Design and Precursor-based Solid-State Synthesis of Mixed-Linker Zr-MIL-140A. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 15250-15261	5.1	0
161	Time Scales of the Quasitrahedral Motion in KMnO <sub>4</sub> Observed by <sup>17</sup> O Central-Transition NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 16202-16208	3.8	1
160	Solvent Impact on the Properties of Benchmark Metal-Organic Frameworks: Acetonitrile-Based Synthesis of CAU-10, Ce-UiO-66, and Al-MIL-53. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 3877-3883	4.8	19
159	Synthesis, Crystal Structure, and Selected Properties of [Au(S CNH ) ]SCN: A Precursor for Gold Macro-Needles Consisting of Gold Nanoparticles Glued by Graphitic Carbon Nitride. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 6763-6772	4.8	4
158	Selective host-guest interactions in metal-organic frameworks via multiple hydrogen bond donor-acceptor recognition sites. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10379-10388	13	17
157	Structural Insights into Poly(Heptazine Imides): A Light-Storing Carbon Nitride Material for Dark Photocatalysis. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 7478-7486	9.6	75
156	Oxygen Vacancy Ordering in Aluminous Bridgmanite in the Earth's Lower Mantle. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 8731-8740	4.9	6
155	Structure of Na <sub>3</sub> [Al(L-Lactate) <sub>3</sub> ] <sub>2</sub> ·6H <sub>2</sub> O Crystallized from Lohtragon AL 250 Commercial Cement Adjuvant. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 4557-4563	3.5	1
154	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> , <b>2019</b> , 21, 23966-23977	3.6	14
153	Rapidly oscillating microbubbles force development of micro- and mesoporous interfaces and composition gradients in solids. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 51, 439-443	8.9	3
152	Microporous Organically Pillared Layered Silicates (MOPS): A Versatile Class of Functional Porous Materials. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2103-2111	4.8	4
151	Determination of the charge of Al <sub>13</sub> Keggin oligocations intercalated into synthetic hectorite. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2019</b> , 74, 85-90	1	
150	Two-site jumps in dimethyl sulfone studied by one- and two-dimensional O NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , <b>2018</b> , 288, 84-94	3	10
149	Magnesium doped Gallium Phosphonates Ga <sub>1-x</sub> Mg <sub>x</sub> [H <sub>3+x</sub> (O <sub>3</sub> PCH <sub>2</sub> ) <sub>3</sub> N] (x = 0, 0.20) and the Influence on Proton Conductivity. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2018</b> , 644, 86-91	1.3	3
148	Structure and Crystallization of Alkaline-Earth Aluminosilicate Glasses: Prevention of the Alumina-Avoidance Principle. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 4737-4747	3.4	26

147	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> , <b>2018</b> , 140, 2135-2144	16.4	32
146	Quantitative description of H SQ and DQ coherences for the hydroxyl disorder within hydrous ringwoodite. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 15098-15105	3.6	7
145	Anhydrous proton conduction in porous organic networks. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21543-21549	16.4	32
144	Exploring Local Disorder within CAU-1 Frameworks Using Hyperpolarized Xe NMR Spectroscopy. <i>Langmuir</i> , <b>2018</b> , 34, 12538-12548	4	9
143	Crumple zones in MOFs. <i>Nature Chemistry</i> , <b>2018</b> , 10, 1079-1081	17.6	6
142	Synthese und Charakterisierung von Cs <sub>4</sub> Ga <sub>6</sub> Q <sub>11</sub> (Q=S, Se) Chalkogenogallate mit außergewöhnlichen polymeren Anionen. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16442-16447	3.6	2
141	Synthesis and Characterization of Cs <sub>4</sub> Ga <sub>6</sub> Q (Q=S, Se): Chalcogenometalates with Exotic Polymeric Anions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16210-16214	16.4	5
140	Two-Step Delamination of Highly Charged, Vermiculite-like Layered Silicates via Ordered Heterostructures. <i>Langmuir</i> , <b>2017</b> , 33, 4816-4822	4	12
139	Water mediated proton conduction in a sulfonated microporous organic polymer. <i>Chemical Communications</i> , <b>2017</b> , 53, 7592-7595	5.8	20
138	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> , <b>2017</b> , 232,	1	2
137	Mesoscale Polarization by Geometric Frustration in Columnar Supramolecular Crystals. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4432-4437	16.4	22
136	Polarisation auf der Mesoskala durch geometrische Frustration in kolumnaren supramolekularen Kristallen. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4502-4508	3.6	6
135	Constant Volume Gate-Opening by Freezing Rotational Dynamics in Microporous Organically Pillared Layered Silicates. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 904-909	16.4	23
134	Systematic evaluation of different types of graphene oxide in respect to variations in their in-plane modulus. <i>Carbon</i> , <b>2017</b> , 114, 700-705	10.4	29
133	Proton-driven coordination-induced spin state switch (PD-CISSS) of iron(ii) complexes. <i>Chemical Communications</i> , <b>2017</b> , 53, 971-974	5.8	38
132	Understanding the Formation of CaAlSiO in Melilite-Based Glass-Ceramics: Combined Diffraction and Spectroscopic Studies. <i>ACS Omega</i> , <b>2017</b> , 2, 6233-6243	3.9	15
131	New Group 13 MIL-53 Derivates based on 2,5-Thiophenedicarboxylic Acid. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2017</b> , 643, 1600-1608	1.3	32
130	Solid-State NMR Spectroscopy: Introduction for Solid-State Chemists <b>2017</b> , 245-277		

129	Formation and Structural Diversity of Organo-Functionalized Tin-Silver Selenide Clusters. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 15607-15611	4.8	13
128	Hidden Oceans? Unraveling the Structure of Hydrous Defects in the Earth's Deep Interior. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10499-10505	16.4	16
127	BILP-19-An Ultramicroporous Organic Network with Exceptional Carbon Dioxide Uptake. <i>Molecules</i> , <b>2017</b> , 22,	4.8	8
126	Microporous Organic Polyimides for CO <sub>2</sub> and H <sub>2</sub> O Capture and Separation from CH <sub>4</sub> and N <sub>2</sub> Mixtures: Interplay between Porosity and Chemical Function. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5461-5470	8.6	44
125	Solving the Hydrogen and Lithium Substructure of Poly(triazine imide)/LiCl Using NMR Crystallography. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 16878-16890	4.8	35
124	Rational design of carbon nitride photocatalysts by identification of cyanamide defects as catalytically relevant sites. <i>Nature Communications</i> , <b>2016</b> , 7, 12165	17.4	417
123	Donor-Acceptor-Type Heptazine-Based Polymer Networks for Photocatalytic Hydrogen Evolution. <i>Energy Technology</i> , <b>2016</b> , 4, 744-750	3.5	85
122	Structure and properties of Al-MIL-53-ADP, a breathing MOF based on the aliphatic linker molecule adipic acid. <i>Dalton Transactions</i> , <b>2016</b> , 45, 4179-86	4.3	41
121	Microphase separation upon crystallization of small amphiphilic molecules: low-temperature form II of sodium benzoate (E 211). <i>CrystEngComm</i> , <b>2016</b> , 18, 5811-5817	3.3	2
120	Room temperature synthesis of an amorphous MoS <sub>2</sub> based composite stabilized by N-donor ligands and its light-driven photocatalytic hydrogen production. <i>RSC Advances</i> , <b>2015</b> , 5, 67742-67751	3.7	11
119	Hollow silica sphere colloidal crystals: insights into calcination dependent thermal transport. <i>Nanoscale</i> , <b>2015</b> , 7, 10059-70	7.7	50
118	The use of ultrasonic cavitation for near-surface structuring of robust and low-cost AlNi catalysts for hydrogen production. <i>Green Chemistry</i> , <b>2015</b> , 17, 2745-2749	10	31
117	[Al <sub>2</sub> (OH) <sub>2</sub> (TCPB)] An Al-MOF based on a tetratopic linker molecule. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 216, 27-35	5.3	11
116	Influence of Strontium Oxide on Structural Transformations in Diopside-Based Glass-Ceramics Assessed by Diverse Structural Tools. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 11482-11492	3.8	13
115	Porous imine-based networks with protonated imine linkages for carbon dioxide separation from mixtures with nitrogen and methane. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18492-18504	13	73
114	Phenyl-triazine oligomers for light-driven hydrogen evolution. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 3345-3353	35.4	190
113	Low-molecular-weight carbon nitrides for solar hydrogen evolution. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 1064-72	16.4	267
112	Influence of proton coupling on symmetry-based homonuclear (19)F dipolar recoupling experiments. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2015</b> , 65, 122-31	3.1	3

111	Enhancing the water stability of Al-MIL-101-NH <sub>2</sub> via postsynthetic modification. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 314-23	4.8	67
110	Fe/Ga-CFA-6 [metal organic frameworks featuring trivalent metal centers and the 4,4'-bipyrazolyl ligand. <i>CrystEngComm</i> , <b>2015</b> , 17, 313-322	3.3	6
109	Trimorphism of Betamethasone Valerate: Preparation, Crystal Structures, and Thermodynamic Relations. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 366-373	3.5	11
108	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. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2015</b> , 641, 332-338	1.3	4
107	Azobenzene-Functionalized SBA-15 Material for Application in Selective Separation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2014</b> , 640, 595-603	1.3	8
106	NMR Crystallography. <i>Annual Reports on NMR Spectroscopy</i> , <b>2014</b> , 82, 1-57	1.7	60
105	Influence of fluorine side-group substitution on the crystal structure formation of benzene-1,3,5-trisamides. <i>CrystEngComm</i> , <b>2014</b> , 16, 9273-9283	3.3	9
104	A fluorene based covalent triazine framework with high CO <sub>2</sub> and H <sub>2</sub> capture and storage capacities. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5928-5936	13	138
103	Crystalline carbon nitride nanosheets for improved visible-light hydrogen evolution. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1730-3	16.4	509
102	Formation and characterization of melam, melam hydrate, and a melam-melem adduct. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 2041-9	4.8	64
101	Performance improvement of nanocatalysts by promoter-induced defects in the support material: methanol synthesis over Cu/ZnO:Al. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6061-8	16.4	160
100	Triazine-based carbon nitrides for visible-light-driven hydrogen evolution. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 2435-9	16.4	332
99	Nanoplatelets of sodium hectorite showing aspect ratios of 20,000 and superior purity. <i>Langmuir</i> , <b>2013</b> , 29, 1280-5	4	91
98	Probing self-assembled 1,3,5-benzenetrisamides in isotactic polypropylene by <sup>13</sup> C DQ solid-state NMR spectroscopy. <i>Chemical Communications</i> , <b>2013</b> , 49, 267-9	5.8	12
97	NMR-crystallographic study of two-dimensionally self-assembled cyclohexane-based low-molecular-mass organic compounds. <i>CrystEngComm</i> , <b>2013</b> , 15, 8784	3.3	15
96	Theoretical investigation of macrodipoles in supramolecular columnar stackings. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 1647-57	4.8	47
95	Microporous Functionalized Triazine-Based Polyimides with High CO <sub>2</sub> Capture Capacity. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 970-980	9.6	219
94	Porosity of pillared clays studied by hyperpolarized <sup>129</sup> Xe NMR spectroscopy and Xe adsorption isotherms. <i>Langmuir</i> , <b>2013</b> , 29, 643-52	4	23



93	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> , <b>2013</b> , 117, 19991-20001	3.8	34
92	Triazine-based Carbon Nitrides for Visible-Light-Driven Hydrogen Evolution. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 2495-2499	3.6	62
91	A new aluminium-based microporous metal-organic framework: Al(BTB) (BTB=1,3,5-benzenetrisbenzoate). <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 157, 50-55	5.3	53
90	Crystal Structure of a Highly Efficient Clarifying Agent for Isotactic Polypropylene. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 2543-2551	3.5	31
89	Reactions with oleum under harsh conditions: characterization of the unique [M(S2O7)3]2- ions (M=Si, Ge, Sn) in A2[M(S2O7)3] (A=NH4, Ag). <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 15495-503	4.8	29
88	New Compounds Bearing [M(S2O7)3]2- Anions (M = Si, Ge, Sn): Syntheses and Characterization of A2[Si(S2O7)3] (A = Na, K, Rb), A2[Ge(S2O7)3] (A = Li, Na, K, Rb, Cs), A2[Sn(S2O7)3] (A = Na, K), and the Unique Germanate Hg2[Ge(S2O7)3]Cl2 with Cationic 1-[HgCl2/2]+ Chains. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 388, 2050-2054	1.3	23
87	Controlled modification of the inorganic and organic bricks in an Al-based MOF by direct and post-synthetic synthesis routes. <i>CrystEngComm</i> , <b>2012</b> , 14, 4126	3.3	45
86	SMARTER crystallography of the fluorinated inorganic-organic compound Zn3Al2F12[HAMTAZ]6. <i>Dalton Transactions</i> , <b>2012</b> , 41, 6232-41	4.3	40
85	A new Al-MOF based on a unique column-shaped inorganic building unit exhibiting strongly hydrophilic sorption behaviour. <i>Chemical Communications</i> , <b>2012</b> , 48, 9486-8	5.8	66
84	Robust Microporous Monoliths with Integrated Catalytically Active Metal Sites Investigated by Hyperpolarized 129Xe NMR. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3952-3963	9.6	45
83	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> , <b>2012</b> , 116, 21489-21498	3.8	16
82	Thermoanalytical Evidence of Metastable Molecular Defects in Form I of Benzamide. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 5365-5372	3.5	16
81	Calculations of NMR Chemical Shifts for Xe Guests in MIL53. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 1603-1603	1.3	
80	Polymorphism in co-crystals: a metastable form of the ionic co-crystal 2 HBz[NaBz] crystallised by flash evaporation. <i>CrystEngComm</i> , <b>2012</b> , 14, 6744	3.3	32
79	Sonochemical Activation of Al/Ni Hydrogenation Catalyst. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3128-3135	3.65	46
78	HP-KB3O5 Highlights the Structural Diversity of Borates: Corner-Sharing BO3/BO4 Groups in Combination with Edge-Sharing BO4 Tetrahedra. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 4147-4152	2.3	49
77	[Zn(C3H3N2)(C3H2N2N=C6H5)], a Mixed-Linker ZIF Containing a Photo-switchable Phenylazo Group. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 5378-5383	2.3	44
76	Rational syntheses and structural characterization of sulfur-rich phosphorus polysulfides: P2S7 and P2S7. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 10996-1000	16.4	14

75	Poly(triazine imide) with intercalation of lithium and chloride ions $[(C_3N_3)_2(NH(x)Li(1-x))_3LiCl]$ : a crystalline 2D carbon nitride network. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 3213-21	4.8	233
74	Impact of initial solvent on thermal stability and mechanical properties of recombinant spider silk films. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13594		55
73	Covalent Grafting to $\beta$ -Hydroxy-Capped Surfaces? A Kaolinite Case Study. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 3152-3158	9.6	56
72	Facile Scalable Synthesis of Rectorites. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 186-196	9.6	28
71	Microporous PILCs $\beta$ Synthesis, pillaring mechanism and selective cation exchange. <i>Applied Clay Science</i> , <b>2010</b> , 48, 146-153	5.2	20
70	Tackling the stacking disorder of melon--structure elucidation in a semicrystalline material. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 2227-37	3.6	55
69	Improvement of thermal and mechanical properties of a phenolic resin nanocomposite by in situ formation of silsesquioxanes from a molecular precursor. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, 2272-2277	2.9	18
68	Melamine-melem adduct phases: investigating the thermal condensation of melamine. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 13161-70	4.8	97
67	$[Al_4(OH)_2(OCH_3)_4(H_2N-bdc)_3]_x \cdot x H_2O$ : A 12-Connected Porous Metal-Organic Framework with an Unprecedented Aluminum-Containing Brick. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 5265-5268	3.6	62
66	$[Al_4(OH)_2(OCH_3)_4(H_2N-bdc)_3] \cdot x H_2O$ : a 12-connected porous metal-organic framework with an unprecedented aluminum-containing brick. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5163-6	16.4	233
65	Protonated Melonate $Ca[HC_6N_7(NCN)_3]_7 \cdot 7H_2O$ $\beta$ Synthesis, Crystal Structure, and Thermal Properties $\beta$ <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2009</b> , 635, NA-NA	1.3	4
64	Synthesis and modification of a functionalized 3D open-framework structure with MIL-53 topology. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 3057-64	5.1	324
63	W $\beta$ iler and Liebig Revisited: 176 Years of Polymorphism in Benzamide - and the Story Still Continues!. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 2435-2441	3.5	36
62	Structure elucidation of polyheptazine imide by electron diffraction--a templated 2D carbon nitride network. <i>Chemical Communications</i> , <b>2009</b> , 1541-3	5.8	88
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