

# Wei Wang

## 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.

159  
papers

17,323  
citations

58  
h-index

131  
g-index

174  
ext. papers

19,658  
ext. citations

7.9  
avg, IF

7.06  
L-index

#	Paper	IF	Citations
159	Organic Molecule-Ionic Solids of Structurally Mismatched Ion Pairs Formed via Attractive Interactions. <i>Crystal Growth and Design</i> , <b>2022</b> , 22, 1212-1220	3.5	0
158	Hierarchical core-shell SiO@COFs@metallic oxide architecture: An efficient flame retardant and toxic smoke suppression for polystyrene. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 605, 241-252	9.3	5
157	Carbon Aerogels for Supercapacitor Applications. <i>Advances in Material Research and Technology</i> , <b>2022</b> , 183-199	0.4	
156	Constructing $\pi$ -Stacked Supramolecular Cage Based Hierarchical Self-Assemblies via $\pi$ -Stacking and Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 10920-10929	16.4	6
155	Design of compressible flame retardant grafted porous organic polymer based separator with high fire safety and good electrochemical properties. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126946	14.7	44
154	Metal-organic frameworks based on Schiff base condensation reaction as battery-type electrodes for supercapattery. <i>Electrochimica Acta</i> , <b>2021</b> , 385, 138434	6.7	5
153	A 2D metal-organic framework interpenetrated by a 2D supramolecular framework assembled by CH $\pi$ Interactions. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 130, 108705	3.1	1
152	Exploring the corrosion resistance of epoxy coated steel by integrating mechanochemical synthesized 2D covalent organic framework. <i>Progress in Organic Coatings</i> , <b>2021</b> , 157, 106299	4.8	2
151	The Journal of Physical Chemistry C Virtual Special Issue on Advanced Characterization by Solid-State NMR and In Situ Technology and in Recognition of Michael Hunger's 65th Birthday. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 20741-20744	3.8	
150	Synthesis of MXene/COF/Cu <sub>2</sub> O heterojunction for photocatalytic bactericidal activity and mechanism evaluation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 132663	14.7	5
149	A Three-Dimensional sp <sup>2</sup> Carbon-Conjugated Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 15562-15566	16.4	13
148	Sulfhydryl functionalized covalent organic framework as an efficient adsorbent for selective Pb (II) removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 600, 125004	5.1	26
147	Highly efficient and selective removal of Cr(VI) by covalent organic frameworks: Structure, performance and mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 600, 124910	5.1	19
146	Adsorptive removal of diclofenac sodium from aqueous solution by magnetic COF: Role of hydroxyl group on COF. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 603, 125238	5.1	13
145	Non-Interpenetrated Single-Crystal Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 17991-17995	16.4	25
144	Non-Interpenetrated Single-Crystal Covalent Organic Frameworks. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 18147-18151	16.4	25
143	Numerical exploration of hydrodynamic features in a methanol-to-olefins fluidized bed reactor with two parallel reaction zones. <i>Powder Technology</i> , <b>2020</b> , 372, 336-350	5.2	5

142	Chiral amorphous metal-organic polyhedra used as the stationary phase for high-resolution gas chromatography separations. <i>Chirality</i> , <b>2020</b> , 32, 1178-1185	2.1	4
141	The Different Effects of Organic Amines on Synthetic Metal Phosphites/Phosphates. <i>Materials</i> , <b>2020</b> , 13,	3.5	1
140	Tuning Hierarchical ZSM-5 Zeolite for Both Gas- and Liquid-Phase Biorefining. <i>ACS Catalysis</i> , <b>2020</b> , 10, 1185-1194	13.1	16
139	Diverse crystal size effects in covalent organic frameworks. <i>Nature Communications</i> , <b>2020</b> , 11, 6128	17.4	13
138	Pyrimidazole-Based Covalent Organic Frameworks: Integrating Functionality and Ultrastability via Isocyanide Chemistry. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 20956-20961	16.4	17
137	Covalent Organic Frameworks in Separation. <i>Annual Review of Chemical and Biomolecular Engineering</i> , <b>2020</b> , 11, 131-153	8.9	19
136	A new NMR crystallographic approach to reveal the calcium local structure of atorvastatin calcium. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 6319-6326	3.6	11
135	Divergent Synthesis of Chiral Covalent Organic Frameworks. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 9543-9547	3.6	14
134	Divergent Synthesis of Chiral Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9443-9447	16.4	49
133	Pyrrolidine-based chiral porous polymers for heterogeneous organocatalysis in water. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 3298-3305	4.9	14
132	Constructing Robust Covalent Organic Frameworks via Multicomponent Reactions. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18004-18008	16.4	83
131	Synthetic 2D Polymers: A Critical Perspective and a Look into the Future. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1800719	4.8	46
130	An Open-Framework Aluminophosphate with Face-Sharing AlO <sub>6</sub> Octahedra Dimers and Extra-Large 14-Ring Channels. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 1267-1271	3.5	7
129	A fluorescent sensor for selective, sensitive, and recyclable detection of mercury(II) in aqueous solution based on a zinc(II) coordination polymer. <i>Inorganic Chemistry Communication</i> , <b>2018</b> , 89, 73-77	3.1	8
128	Benzoxazole-Linked Ultrastable Covalent Organic Frameworks for Photocatalysis. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4623-4631	16.4	347
127	Enantioselective Fluorination of 3-Functionalized Oxindoles Using Electron-rich Amino Urea Catalyst. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 4710-4714	5.6	8
126	Exploring Applications of Covalent Organic Frameworks: Homogeneous Reticulation of Radicals for Dynamic Nuclear Polarization. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6969-6977	16.4	41
125	Observation of Interpenetration Isomerism in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6763-6766	16.4	75

124	Single-crystal x-ray diffraction structures of covalent organic frameworks. <i>Science</i> , <b>2018</b> , 361, 48-52	33.3	521
123	Salen-Based Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6042-6045	16.4	165
122	A Dynamic Three-Dimensional Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4995-4998	16.4	136
121	Facile synthesis of -C[double bond, length as m-dash]N- linked covalent organic frameworks under ambient conditions. <i>Chemical Communications</i> , <b>2017</b> , 53, 11956-11959	5.8	41
120	Constructing Crystalline Covalent Organic Frameworks from Chiral Building Blocks. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 11489-92	16.4	205
119	Enantioselective organocatalytic Michael addition of isorhodanines to $\alpha$ -unsaturated aldehydes. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 3926-33	3.9	4
118	Thioether-Based Fluorescent Covalent Organic Framework for Selective Detection and Facile Removal of Mercury(II). <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3031-7	16.4	788
117	Highly crystalline covalent organic frameworks from flexible building blocks. <i>Chemical Communications</i> , <b>2016</b> , 52, 4706-9	5.8	45
116	Preparation of a series of aCTV-based covalent organic frameworks and substituent effects on their properties. <i>CrystEngComm</i> , <b>2016</b> , 18, 1039-1045	3.3	11
115	Practical Pd(TFA) <sub>2</sub> -Catalyzed Aerobic [4+1] Annulation for the Synthesis of Pyrroles via One-Pot Cascade Reactions. <i>Catalysts</i> , <b>2016</b> , 6, 169	4	4
114	Undulated 2D Covalent Organic Frameworks Based on Bowl-Shaped Cyclotriacetylene. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 783-787	4.9	9
113	Synthesis of -C[double bond, length as m-dash]N- linked covalent organic frameworks via the direct condensation of acetals and amines. <i>Chemical Communications</i> , <b>2016</b> , 52, 7217-20	5.8	37
112	One-pot approach to Pd-loaded porous polymers with properties tunable by the oxidation state of the phosphorus core. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 6351-6357	4.9	24
111	Alkane Activation Initiated by Hydride Transfer: Co-conversion of Propane and Methanol over H-ZSM-5 Zeolite. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7363-6	16.4	14
110	Triazatruxene based covalent organic framework and its quick-response fluorescence-on nature towards electron rich arenes. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 10066-10069	7.1	86
109	Alkane Activation Initiated by Hydride Transfer: Co-conversion of Propane and Methanol over H-ZSM-5 Zeolite. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7471-7474	3.6	6
108	Fabrication of porous polymer microspheres by tuning amphiphilicity of the polymer and emulsion solvent evaporation processing. <i>European Polymer Journal</i> , <b>2015</b> , 68, 409-418	5.2	17
107	Advances in Porous Organic Catalysis. <i>Acta Chimica Sinica</i> , <b>2015</b> , 73, 498	3.3	12

106	Porous Organic Polymers: A New Star in Porous Materials. <i>Acta Chimica Sinica</i> , <b>2015</b> , 73, 461	3.3	2
105	Recent advances in organocatalytic asymmetric synthesis of polysubstituted pyrrolidines. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 784-794	2	85
104	Multifunctional microporous organic polymers. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11930	13	116
103	Wobbling and Hopping: Studying Dynamics of CO <sub>2</sub> Adsorbed in Metal-Organic Frameworks via (17)O Solid-State NMR. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3360-5	6.4	64
102	Methane Activation on In-Modified ZSM-5: The State of Indium in the Zeolite and Pathways of Methane Transformation to Surface Species. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 8034-8043	3.8	32
101	Insights into the asymmetric heterogeneous catalysis in porous organic polymers: constructing a TADDOL-embedded chiral catalyst for studying the structure-activity relationship. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 11019-28	4.8	38
100	A strategy enabling enantioselective direct conjugate addition of inert aryl methane nucleophiles to enals with a chiral amine catalyst under mild conditions. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9147-50	4.8	69
99	Mechanistic insight into the formation of acetic acid from the direct conversion of methane and carbon dioxide on zinc-modified H-ZSM-5 zeolite. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 13567-73	16.4	114
98	A concise synthesis of L-pyrrolysine. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 8078-81	4.8	10
97	Nanosized Coordination Cages Incorporating Multiple Cu(I) Reactive Sites: Host-Guest Modulated Catalytic Activity. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1-9	13.1	56
96	Microporous organic polymers synthesized by self-condensation of aromatic hydroxymethyl monomers. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 1126-1131	4.9	89
95	Methane Activation and Transformation on Ag/H-ZSM-5 Zeolite Studied with Solid-State NMR. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 7690-7702	3.8	60
94	A self-supported polymeric MacMillan catalyst for homogeneous organocatalysis and heterogeneous recycling. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 1110-4	4.5	13
93	Nitrogen and silica co-doped graphene nanosheets for NO <sub>2</sub> gas sensing. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6130	13	122
92	On-surface synthesis of single-layered two-dimensional covalent organic frameworks via solid-vapor interface reactions. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10470-4	16.4	322
91	C-C Bond Formation by Michael Reaction <b>2013</b> , 147-203		6
90	Facile construction of structurally diverse thiazolidinedione-derived compounds via divergent stereoselective cascade organocatalysis and their biological exploratory studies. <i>ACS Combinatorial Science</i> , <b>2013</b> , 15, 298-308	3.9	35
89	Covalent organic frameworks (COFs): from design to applications. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 548-68	58.5	2213

88	Mesostructure-controlled synthesis of chiral norbornane-bridged periodic mesoporous organosilicas. <i>RSC Advances</i> , <b>2012</b> , 2, 2010	3.7	11
87	Two selective fluorescent chemosensors for cadmium ions in 99% aqueous solution: the end group effect on the selectivity, DFT calculations and biological applications. <i>Dalton Transactions</i> , <b>2012</b> , 41, 2060-5	4.3	18
86	Solid-state NMR studies of form I of atorvastatin calcium. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 3641-9	3.9	36
85	Insights into the dual activation mechanism involving bifunctional cinchona alkaloid thiourea organocatalysts: an NMR and DFT study. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 9813-25	4.2	125
84	Hypercrosslinked aromatic heterocyclic microporous polymers: a new class of highly selective CO <sub>2</sub> capturing materials. <i>Advanced Materials</i> , <b>2012</b> , 24, 5703-7	24	377
83	Organocatalytic Michael Addition of Nitro Esters to $\alpha$ -Unsaturated Aldehydes: Towards the Enantioselective Synthesis of trans-3-Substituted Proline Derivatives. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 2635-2640	5.6	20
82	Characterization of Zn-containing metal-organic frameworks by solid-state <sup>67</sup> Zn NMR spectroscopy and computational modeling. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 12251-9	4.8	56
81	Recent advances in organocatalytic asymmetric Michael reactions. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 42-53	5.5	195
80	Room temperature activation of methane over Zn modified H-ZSM-5 zeolites: Insight from solid-state NMR and theoretical calculations. <i>Chemical Science</i> , <b>2012</b> , 3, 2932	9.4	136
79	Highly dispersed pd catalyst locked in knitting aryl network polymers for Suzuki-Miyaura coupling reactions of aryl chlorides in aqueous media. <i>Advanced Materials</i> , <b>2012</b> , 24, 3390-5	24	243
78	4-(N,N-dimethylamino)pyridine-embedded nanoporous conjugated polymer as a highly active heterogeneous organocatalyst. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 6328-34	4.8	61
77	"Bottom-up" embedding of the Jørgensen-Hayashi catalyst into a chiral porous polymer for highly efficient heterogeneous asymmetric organocatalysis. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 6718-23	4.8	83
76	Organocatalytic asymmetric Henry reaction of isatins: Highly enantioselective synthesis of 3-hydroxy-2-oxindoles. <i>RSC Advances</i> , <b>2011</b> , 1, 389	3.7	46
75	Characterization of partially reduced graphene oxide as room temperature sensor for H <sub>2</sub> . <i>Nanoscale</i> , <b>2011</b> , 3, 2458-60	7.7	68
74	Recent advances in catalytic hydrogenation of carbon dioxide. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 3703-38.5	38.5	2216
73	Metal-Directed Assembly of Hexameric Ring, Dimeric Ring and 1D Chain from a Branched Tripodal Ligand. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 4876-4884	3.5	22
72	Construction of covalent organic framework for catalysis: Pd/COF-LZU1 in Suzuki-Miyaura coupling reaction. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 19816-22	16.4	1492
71	Proline-based reduced dipeptides as recyclable and highly enantioselective organocatalysts for asymmetric Michael addition. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 6487-90	3.9	27

70	Carbonylation of dimethyl ether on solid Rh-promoted Cs-salt of Keggin 12-H3PW12O40: A solid-state NMR study of the reaction mechanism. <i>Journal of Catalysis</i> , <b>2011</b> , 277, 72-79	7.3	29
69	Synthesis of 2-Aminobenzothiazoles via Copper(I)-Catalyzed Cross-Coupling with Part-Per-Million Catalyst Loadings. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 1174-1178	5.6	21
68	Heterogeneous organocatalysis at work: functionalization of hollow periodic mesoporous organosilica spheres with MacMillan catalyst. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 6206-13	4.8	97
67	Organocatalytic direct asymmetric vinylogous Michael reaction of an $\alpha,\beta$ -unsaturated $\beta$ -butyrolactam with enones. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 1472-4	4.2	74
66	A New Strategy to Microporous Polymers: Knitting Rigid Aromatic Building Blocks by External Cross-Linker. <i>Macromolecules</i> , <b>2011</b> , 44, 2410-2414	5.5	413
65	Rhodium(I)-Catalyzed Synthesis of Aryltriethoxysilanes from Arenediazonium Tosylate Salts with Triethoxysilane. <i>Synlett</i> , <b>2010</b> , 2010, 804-808	2.2	12
64	Mono dispersed SnO <sub>2</sub> nanoparticles on both sides of single layer graphene sheets as anode materials in Li-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 5462		338
63	Assembly of robust and porous hydrogen-bonded coordination frameworks: isomorphism, polymorphism, and selective adsorption. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10166-73	5.1	58
62	A Parallel Solid-State NMR and Sensor Property Study on Flower-like Nanostructured SnO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22671-22676	3.8	34
61	Solid state NMR spectroscopy. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 4917-24	7.8	12
60	Tröger's base-functionalised organic nanoporous polymer for heterogeneous catalysis. <i>Chemical Communications</i> , <b>2010</b> , 46, 970-2	5.8	207
59	Influence of structure on the spectroscopic properties of the polymorphs of piroxicam. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 16641-9	3.4	21
58	Chiral norbornane-bridged periodic mesoporous organosilicas. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 6026		28
57	Facile Creation of 3-Indolyl-3-hydroxy-2-oxindoles by an Organocatalytic Enantioselective Friedel-Crafts Reaction of Indoles with Isatins. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 833-838	5.6	81
56	Organocatalyzed Highly Enantioselective and anti-Selective Construction of $\beta$ -Butenolides through Vinylogous Mukaiyama Aldol Reaction. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 1291-1295	5.6	29
55	Superparamagnetic Nanoparticle-Supported (S)-Diphenyl- prolinol Trimethylsilyl Ether as a Recyclable Catalyst for Asymmetric Michael Addition in Water. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 2923-2928	5.6	96
54	Reactivity of C1 surface species formed in methane activation on Zn-modified H-ZSM-5 zeolite. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 14016-25	4.8	58
53	Measurement of the principal values of the chemical-shift tensors of overlapping protonated and unprotonated carbons with the 2D-SUPER technique and dipolar dephasing (DD-SUPER). <i>Journal of Magnetic Resonance</i> , <b>2010</b> , 206, 177-81	3	5

52	Copper(I) cuboctahedral coordination cages: host-guest dependent redox activity. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6156-9	16.4	70
51	Organocatalytic enantioselective cross-aldol reactions of aldehydes with isatins: formation of two contiguous quaternary centered 3-substituted 3-hydroxyindol-2-ones. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 1664-7	4.5	75
50	Synthesis and characterization of a fluorotitanophosphate (NH <sub>4</sub> ) <sub>0.16</sub> K <sub>1.84</sub> [Ti <sub>2</sub> F <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> (PO <sub>3</sub> OH)] with a unique lamella framework. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 5449-53	5.1	4
49	Self-assembly of 2D Borromean networks through hydrogen-bonding recognition. <i>Chemical Communications</i> , <b>2009</b> , 2387-9	5.8	56
48	Reactivity of Methoxy Species toward CO on Keggin 12-H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> : A Study with Solid State NMR. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 19639-19644	3.8	31
47	Assembly of a 1D coordination polymer through in situ formation of a new ligand by double C-C coupling on CHCl <sub>3</sub> under solvothermal conditions. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 8659-61	5.1	49
46	Reactivity of surface alkoxy species on acidic zeolite catalysts. <i>Accounts of Chemical Research</i> , <b>2008</b> , 41, 895-904	24.3	201
45	Self-assembly of triple helical and meso-helical cylindrical arrays tunable by bis-tripodal coordination converters. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 10692-9	5.1	41
44	Solid-State NMR Spectroscopy <b>2008</b> , 912		2
43	Organocatalysis: asymmetric cascade reactions catalysed by chiral secondary amines. <i>Organic and Biomolecular Chemistry</i> , <b>2008</b> , 6, 2037-46	3.9	458
42	Formation of two (6,3) networks showing structural diversity, Borromean topology and conformational chirality in the same crystal. <i>Chemical Communications</i> , <b>2007</b> , 4242-4	5.8	83
41	Highly Enantioselective Organocatalytic Conjugate Addition of Nitromethane to $\alpha$ -Unsaturated Aldehydes: Three-Step Synthesis of Optically Active Baclofen. <i>Advanced Synthesis and Catalysis</i> , <b>2007</b> , 349, 2660-2664	5.6	117
40	In situ <sup>1</sup> H MAS NMR investigations of the H/D exchange of alkylaromatic hydrocarbons on zeolites H-Y, La,Na-Y, and H-ZSM-5. <i>Microporous and Mesoporous Materials</i> , <b>2007</b> , 99, 86-90	5.3	40
39	Effect of probe molecules with different proton affinities on the coordination of boron atoms in dehydrated zeolite H-[B]ZSM-5. <i>Microporous and Mesoporous Materials</i> , <b>2007</b> , 99, 91-97	5.3	27
38	Effect of organic impurities on the hydrocarbon formation via the decomposition of surface methoxy groups on acidic zeolite catalysts. <i>Journal of Catalysis</i> , <b>2006</b> , 238, 21-27	7.3	75
37	Response to comments on the paper: Effect of organic impurities on the hydrocarbon formation via the decomposition of surface methoxy groups on acidic zeolite catalysts by Y. Jiang, W. Wang, V.R.R. Marthala, J. Huang, B. Sulikowski, M. Hunger. <i>Journal of Catalysis</i> , <b>2006</b> , 244, 134-136	7.3	18
36	Enantio- and diastereoselective Michael addition reactions of unmodified aldehydes and ketones with nitroolefins catalyzed by a pyrrolidine sulfonamide. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 4321-32	4.8	206
35	Effects of adsorbate molecules on the quadrupolar interaction of framework aluminum atoms in dehydrated zeolite H,Na-Y. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 13812-8	3.4	17



34	Characterization of Solid Catalysts in the Functioning State by Nuclear Magnetic Resonance Spectroscopy. <i>Advances in Catalysis</i> , <b>2006</b> , 149-225	2.4	12
33	On the reactivity of surface methoxy species in acidic zeolites. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 11679-92	16.4	154
32	Beckmann rearrangement of 15N-cyclohexanone oxime on zeolites silicalite-1, H-ZSM-5, and H-[B]ZSM-5 studied by solid-state NMR spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 14812-3	16.4	58
31	A recyclable fluorous (S)-pyrrolidine sulfonamide promoted direct, highly enantioselective Michael addition of ketones and aldehydes to nitroolefins in water. <i>Organic Letters</i> , <b>2006</b> , 8, 3077-9	6.2	239
30	Mechanistic investigations of the methanol-to-olefin (MTO) process on acidic zeolite catalysts by in situ solid-state NMR spectroscopy. <i>Catalysis Today</i> , <b>2006</b> , 113, 102-114	5.3	167
29	<sup>29</sup> Si and <sup>27</sup> Al MAS NMR characterization of non-hydrated zeolites Y upon adsorption of ammonia. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 90, 246-250	5.3	29
28	Highly enantioselective aldehyde/nitroolefin Michael addition reactions catalyzed by recyclable fluorous (S) diphenylpyrrolidinol silyl ether. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 5131-5134	2	94
27	Mechanism studies of the conversion of <sup>13</sup> C-labeled n-butane on zeolite H-ZSM-5 by using <sup>13</sup> C magic angle spinning NMR spectroscopy and GC-MS analysis. <i>Chemistry - A European Journal</i> , <b>2005</b> , 12, 457-65	4.8	28
26	Characterization of framework and extra-framework aluminum species in non-hydrated zeolites Y by <sup>27</sup> Al spin-echo, high-speed MAS, and MQMAS NMR spectroscopy at B <sub>0</sub> = 9.4 to 17.6 T. <i>Physical Chemistry Chemical Physics</i> , <b>2005</b> , 7, 3221-6	3.6	126
25	Formation and decomposition of surface ethoxy species on acidic zeolite Y. <i>ChemPhysChem</i> , <b>2005</b> , 6, 1467-9	3.2	65
24	Direct, highly enantioselective pyrrolidine sulfonamide catalyzed Michael addition of aldehydes to nitrostyrenes. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 1369-71	16.4	334
23	n-Butane conversion on sulfated zirconia: in situ <sup>13</sup> C MAS NMR monitoring of the kinetics of the <sup>13</sup> C-label scrambling and isomerization. <i>Catalysis Letters</i> , <b>2005</b> , 101, 181-185	2.8	17
22	Effect of Dehydration on the Local Structure of Framework Silicon Atoms in Zeolites Y Investigated by Solid-State NMR Spectroscopy. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2005</b> , 631, 484-490	1.3	16
21	Dry-Gel Synthesis of Mesoporous MCM-41 Materials with Modified Pore Structure. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2005</b> , 219, 877-890	3.1	4
20	Methylation of Phenol by Methanol on Acidic Zeolite H <sup>+</sup> Investigated by in situ CF MAS NMR Spectroscopy. <i>Catalysis Letters</i> , <b>2004</b> , 94, 119-123	2.8	11
19	State of Aluminum in Dealuminated, Nonhydrated Zeolites Y Investigated by Multinuclear Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 14305-14310	3.4	61
18	Sequential Steps of Ammoniation of the Microporous Silicoaluminophosphates H-SAPO-34 and H-SAPO-37 Investigated by In Situ CF MAS NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 3107-3113	3.4	18
17	Formation of cyclic compounds and carbenium ions by conversion of methanol on weakly dealuminated zeolite H-ZSM-5 investigated via a novel in situ CF MAS NMR/UV-Vis technique. <i>Chemical Communications</i> , <b>2004</b> , 584-5	5.8	51

16	Direct Evidence for a Catalytically Active Role of the Hydrocarbon Pool Formed on Zeolite H-ZSM-5 During the Methanol-to-Olefin Conversion. <i>Catalysis Letters</i> , <b>2003</b> , 88, 187-191	2.8	66
15	Mechanism of Aniline Methylation on Zeolite Catalysts Investigated by In Situ <sup>13</sup> C NMR Spectroscopy. <i>Kinetics and Catalysis</i> , <b>2003</b> , 44, 701-709	1.5	12
14	Effect of surface methoxy groups on the <sup>27</sup> Al quadrupole parameters of framework aluminum atoms in calcined zeolite H $\beta$ . <i>Chemical Physics Letters</i> , <b>2003</b> , 370, 88-93	2.5	18
13	Time-resolved observation of the decomposition process of N,N,N-Trimethylanilinium cations on zeolite H-Y by in situ stopped-flow <sup>13</sup> C MAS NMR spectroscopy. <i>Magnetic Resonance Imaging</i> , <b>2003</b> , 21, 329-32	3.3	4
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11	Evidence for an initiation of the methanol-to-olefin process by reactive surface methoxy groups on acidic zeolite catalysts. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 15260-7	16.4	201
10	Formation of acetone enol on acidic zeolite ZSM-5 evidenced by H/D exchange. <i>Chemical Communications</i> , <b>2003</b> , 722-3	5.8	28
9	Synthesis and immobilization of quaternary ammonium cations in acidic zeolites. <i>Chemical Communications</i> , <b>2003</b> , 2600-1	5.8	13
8	Thermal stability and dehydroxylation of Brønsted acid sites in silicoaluminophosphates H-SAPO-11, H-SAPO-18, H-SAPO-31, and H-SAPO-34 investigated by multi-nuclear solid-state NMR spectroscopy. <i>Microporous and Mesoporous Materials</i> , <b>2002</b> , 56, 267-278	5.3	138
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6	Theoretical and experimental investigation of the effect of proton transfer on the ( <sup>27</sup> Al) MAS NMR line shapes of zeolite-adsorbate complexes: an independent measure of solid Acid strength. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 10868-74	16.4	54
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3	In situ stopped-flow (SF) MAS NMR spectroscopy: a novel NMR technique applied for the study of aniline methylation on a solid base catalyst. <i>Chemical Communications</i> , <b>2001</b> , 1362-1363	5.8	14
2	Local Structure of Framework Aluminum in Zeolite H $\beta$ ZSM-5 during Conversion of Methanol Investigated by In Situ NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 8143-8148	3.4	30
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