Wei Wang

List of Publications by Citations

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	Recent advances in catalytic hydrogenation of carbon dioxide. *Chemical Society Reviews*, **2011**, 40, 3703-27	58.5	2216
158	Covalent organic frameworks (COFs): from design to applications. *Chemical Society Reviews*, **2013**, 42, 548-68	58.5	2213
157	Construction of covalent organic framework for catalysis: Pd/COF-LZU1 in Suzuki-Miyaura coupling reaction. *Journal of the American Chemical Society*, **2011**, 133, 19816-22	16.4	1492
156	Thioether-Based Fluorescent Covalent Organic Framework for Selective Detection and Facile Removal of Mercury(II). *Journal of the American Chemical Society*, **2016**, 138, 3031-7	16.4	788
155	Single-crystal x-ray diffraction structures of covalent organic frameworks. *Science*, **2018**, 361, 48-52	33.3	521
154	Organocatalysis: asymmetric cascade reactions catalysed by chiral secondary amines. *Organic and Biomolecular Chemistry*, **2008**, 6, 2037-46	3.9	458
153	A New Strategy to Microporous Polymers: Knitting Rigid Aromatic Building Blocks by External Cross-Linker. *Macromolecules*, **2011**, 44, 2410-2414	5.5	413
152	Hypercrosslinked aromatic heterocyclic microporous polymers: a new class of highly selective CO2 capturing materials. *Advanced Materials*, **2012**, 24, 5703-7	24	377
151	Benzoxazole-Linked Ultrastable Covalent Organic Frameworks for Photocatalysis. *Journal of the American Chemical Society*, **2018**, 140, 4623-4631	16.4	347
150	Mono dispersed SnO2 nanoparticles on both sides of single layer graphene sheets as anode materials in Li-ion batteries. *Journal of Materials Chemistry*, **2010**, 20, 5462		338
149	Direct, highly enantioselective pyrrolidine sulfonamide catalyzed Michael addition of aldehydes to nitrostyrenes. *Angewandte Chemie - International Edition*, **2005**, 44, 1369-71	16.4	334
148	On-surface synthesis of single-layered two-dimensional covalent organic frameworks via solid-vapor interface reactions. *Journal of the American Chemical Society*, **2013**, 135, 10470-4	16.4	322
147	Highly dispersed pd catalyst locked in knitting aryl network polymers for Suzuki-Miyaura coupling reactions of aryl chlorides in aqueous media. *Advanced Materials*, **2012**, 24, 3390-5	24	243
146	A recyclable fluorous (S)-pyrrolidine sulfonamide promoted direct, highly enantioselective Michael addition of ketones and aldehydes to nitroolefins in water. *Organic Letters*, **2006**, 8, 3077-9	6.2	239
145	Tröger's base-functionalised organic nanoporous polymer for heterogeneous catalysis. *Chemical Communications*, **2010**, 46, 970-2	5.8	207
144	Enantio- and diastereoselective Michael addition reactions of unmodified aldehydes and ketones with nitroolefins catalyzed by a pyrrolidine sulfonamide. *Chemistry - A European Journal*, **2006**, 12, 4321-32	4.8	206
143	Constructing Crystalline Covalent Organic Frameworks from Chiral Building Blocks. *Journal of the American Chemical Society*, **2016**, 138, 11489-92	16.4	205

142	Reactivity of surface alkoxy species on acidic zeolite catalysts. *Accounts of Chemical Research*, **2008**, 41, 895-904	24.3	201
141	Evidence for an initiation of the methanol-to-olefin process by reactive surface methoxy groups on acidic zeolite catalysts. *Journal of the American Chemical Society*, **2003**, 125, 15260-7	16.4	201
140	Recent advances in organocatalytic asymmetric Michael reactions. *Catalysis Science and Technology*, **2012**, 2, 42-53	5.5	195
139	Mechanistic investigations of the methanol-to-olefin (MTO) process on acidic zeolite catalysts by in situ solid-state NMR spectroscopy. *Catalysis Today*, **2006**, 113, 102-114	5.3	167
138	Salen-Based Covalent Organic Framework. *Journal of the American Chemical Society*, **2017**, 139, 6042-6045	16.4	165
137	On the reactivity of surface methoxy species in acidic zeolites. *Journal of the American Chemical Society*, **2006**, 128, 11679-92	16.4	154
136	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. *Microporous and Mesoporous Materials*, **2002**, 56, 267-278	5.3	138
135	A Dynamic Three-Dimensional Covalent Organic Framework. *Journal of the American Chemical Society*, **2017**, 139, 4995-4998	16.4	136
134	Room temperature activation of methane over Zn modified H-ZSM-5 zeolites: Insight from solid-state NMR and theoretical calculations. *Chemical Science*, **2012**, 3, 2932	9.4	136
133	Characterization of framework and extra-framework aluminum species in non-hydrated zeolites Y by 27Al spin-echo, high-speed MAS, and MQMAS NMR spectroscopy at B0 = 9.4 to 17.6 T. *Physical Chemistry Chemical Physics*, **2005**, 7, 3221-6	3.6	126
132	Insights into the dual activation mechanism involving bifunctional cinchona alkaloid thiourea organocatalysts: an NMR and DFT study. *Journal of Organic Chemistry*, **2012**, 77, 9813-25	4.2	125
131	Nitrogen and silica co-doped graphene nanosheets for NO2 gas sensing. *Journal of Materials Chemistry A*, **2013**, 1, 6130	13	122
130	Highly Enantioselective Organocatalytic Conjugate Addition of Nitromethane to α,β-Unsaturated Aldehydes: Three-Step Synthesis of Optically Active Baclofen. *Advanced Synthesis and Catalysis*, **2007**, 349, 2660-2664	5.6	117
129	Multifunctional microporous organic polymers. *Journal of Materials Chemistry A*, **2014**, 2, 11930	13	116
128	Mechanistic insight into the formation of acetic acid from the direct conversion of methane and carbon dioxide on zinc-modified H-ZSM-5 zeolite. *Journal of the American Chemical Society*, **2013**, 135, 13567-73	16.4	114
127	Role of Surface Methoxy Species in the Conversion of Methanol to Dimethyl Ether on Acidic Zeolites Investigated by in Situ Stopped-Flow MAS NMR Spectroscopy. *Journal of Physical Chemistry B*, **2001**, 105, 12553-12558	3.4	103
126	Heterogeneous organocatalysis at work: functionalization of hollow periodic mesoporous organosilica spheres with MacMillan catalyst. *Chemistry - A European Journal*, **2011**, 17, 6206-13	4.8	97
125	Superparamagnetic Nanoparticle-Supported (S)-Diphenyl- prolinol Trimethylsilyl Ether as a Recyclable Catalyst for Asymmetric Michael Addition in Water. *Advanced Synthesis and Catalysis*, **2010**, 352, 2923-2928	5.6	96

124	Highly enantioselective aldehyde–nitroolefin Michael addition reactions catalyzed by recyclable fluorous (S) diphenylpyrrolinol silyl ether. *Tetrahedron Letters*, **2006**, 47, 5131-5134	2	94
123	Microporous organic polymers synthesized by self-condensation of aromatic hydroxymethyl monomers. *Polymer Chemistry*, **2013**, 4, 1126-1131	4.9	89
122	Triazatruxene based covalent organic framework and its quick-response fluorescence-on nature towards electron rich arenes. *Journal of Materials Chemistry C*, **2015**, 3, 10066-10069	7.1	86
121	Recent advances in organocatalytic asymmetric synthesis of polysubstituted pyrrolidines. *Tetrahedron Letters*, **2014**, 55, 784-794	2	85
120	Constructing Robust Covalent Organic Frameworks via Multicomponent Reactions. *Journal of the American Chemical Society*, **2019**, 141, 18004-18008	16.4	83
119	"Bottom-up" embedding of the Jørgensen-Hayashi catalyst into a chiral porous polymer for highly efficient heterogeneous asymmetric organocatalysis. *Chemistry - A European Journal*, **2012**, 18, 6718-23	4.8	83
118	Formation of two (6,3) networks showing structural diversity, Borromean topology and conformational chirality in the same crystal. *Chemical Communications*, **2007**, 4242-4	5.8	83
117	Facile Creation of 3-Indolyl-3-hydroxy-2-oxindoles by an Organocatalytic Enantioselective Friedel–Crafts Reaction of Indoles with Isatins. *Advanced Synthesis and Catalysis*, **2010**, 352, 833-838	5.6	81
116	Successive steps of hydration and dehydration of silicoaluminophosphates H-SAPO-34 and H-SAPO-37 investigated by in situ CF MAS NMR spectroscopy. *Microporous and Mesoporous Materials*, **2003**, 57, 157-168	5.3	80
115	Organocatalytic enantioselective cross-aldol reactions of aldehydes with isatins: formation of two contiguous quaternary centered 3-substituted 3-hydroxyindol-2-ones. *Chemistry - an Asian Journal*, **2009**, 4, 1664-7	4.5	75
114	Effect of organic impurities on the hydrocarbon formation via the decomposition of surface methoxy groups on acidic zeolite catalysts. *Journal of Catalysis*, **2006**, 238, 21-27	7.3	75
113	Observation of Interpenetration Isomerism in Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2018**, 140, 6763-6766	16.4	75
112	Organocatalytic direct asymmetric vinylogous Michael reaction of an α,β-unsaturated γ-butyrolactam with enones. *Journal of Organic Chemistry*, **2011**, 76, 1472-4	4.2	74
111	Copper(I) cuboctahedral coordination cages: host-guest dependent redox activity. *Angewandte Chemie - International Edition*, **2009**, 48, 6156-9	16.4	70
110	A strategy enabling enantioselective direct conjugate addition of inert aryl methane nucleophiles to enals with a chiral amine catalyst under mild conditions. *Chemistry - A European Journal*, **2013**, 19, 9147-50	4.8	69
109	Characterization of partially reduced graphene oxide as room temperature sensor for H2. *Nanoscale*, **2011**, 3, 2458-60	7.7	68
108	Direct Evidence for a Catalytically Active Role of the Hydrocarbon Pool Formed on Zeolite H-ZSM-5 During the Methanol-to-Olefin Conversion. *Catalysis Letters*, **2003**, 88, 187-191	2.8	66
107	Formation and decomposition of surface ethoxy species on acidic zeolite Y. *ChemPhysChem*, **2005**, 6, 1467-9	3.2	65

106	Wobbling and Hopping: Studying Dynamics of CO2 Adsorbed in Metal-Organic Frameworks via (17)O Solid-State NMR. *Journal of Physical Chemistry Letters*, **2014**, 5, 3360-5	6.4	64
105	Improved Br□sted Acidity of Mesoporous [Al]MCM-41 Material Treated with Ammonium Fluoride□*Journal of Physical Chemistry B*, **2002**, 106, 3202-3208	3.4	63
104	4-(N,N-dimethylamino)pyridine-embedded nanoporous conjugated polymer as a highly active heterogeneous organocatalyst. *Chemistry - A European Journal*, **2012**, 18, 6328-34	4.8	61
103	State of Aluminum in Dealuminated, Nonhydrated Zeolites Y Investigated by Multinuclear Solid-State NMR Spectroscopy□*Journal of Physical Chemistry B*, **2004**, 108, 14305-14310	3.4	61
102	Methane Activation and Transformation on Ag/H-ZSM-5 Zeolite Studied with Solid-State NMR. *Journal of Physical Chemistry C*, **2013**, 117, 7690-7702	3.8	60
101	Assembly of robust and porous hydrogen-bonded coordination frameworks: isomorphism, polymorphism, and selective adsorption. *Inorganic Chemistry*, **2010**, 49, 10166-73	5.1	58
100	Reactivity of C1 surface species formed in methane activation on Zn-modified H-ZSM-5 zeolite. *Chemistry - A European Journal*, **2010**, 16, 14016-25	4.8	58
99	Beckmann rearrangement of 15N-cyclohexanone oxime on zeolites silicalite-1, H-ZSM-5, and H-[B]ZSM-5 studied by solid-state NMR spectroscopy. *Journal of the American Chemical Society*, **2006**, 128, 14812-3	16.4	58
98	Nanosized Coordination Cages Incorporating Multiple Cu(I) Reactive Sites: Host□Guest Modulated Catalytic Activity. *ACS Catalysis*, **2013**, 3, 1-9	13.1	56
97	Characterization of Zn-containing metal-organic frameworks by solid-state 67Zn NMR spectroscopy and computational modeling. *Chemistry - A European Journal*, **2012**, 18, 12251-9	4.8	56
96	Self-assembly of 2D Borromean networks through hydrogen-bonding recognition. *Chemical Communications*, **2009**, 2387-9	5.8	56
95	Theoretical and experimental investigation of the effect of proton transfer on the (27)al MAS NMR line shapes of zeolite-adsorbate complexes: an independent measure of solid Acid strength. *Journal of the American Chemical Society*, **2002**, 124, 10868-74	16.4	54
94	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. *Chemical Communications*, **2004**, 584-5	5.8	51
93	Low-Temperature Modification of Mesoporous MCM-41 Material with Sublimated Aluminum Chloride in Vacuum. *Journal of Physical Chemistry B*, **2002**, 106, 12140-12143	3.4	51
92	Divergent Synthesis of Chiral Covalent Organic Frameworks. *Angewandte Chemie - International Edition*, **2019**, 58, 9443-9447	16.4	49
91	Assembly of a 1D coordination polymer through in situ formation of a new ligand by double C-C coupling on CHCl3 under solvothermal conditions. *Inorganic Chemistry*, **2009**, 48, 8659-61	5.1	49
90	Organocatalytic asymmetric Henry reaction of isatins: Highly enantioselective synthesis of 3-hydroxy-2-oxindoles. *RSC Advances*, **2011**, 1, 389	3.7	46
89	Synthetic 2D Polymers: A Critical Perspective and a Look into the Future. *Macromolecular Rapid Communications*, **2019**, 40, e1800719	4.8	46

88	Highly crystalline covalent organic frameworks from flexible building blocks. *Chemical Communications*, **2016**, 52, 4706-9	5.8	45
87	Design of compressible flame retardant grafted porous organic polymer based separator with high fire safety and good electrochemical properties. *Chemical Engineering Journal*, **2021**, 405, 126946	14.7	44
86	Facile synthesis of -C[double bond, length as m-dash]N- linked covalent organic frameworks under ambient conditions. *Chemical Communications*, **2017**, 53, 11956-11959	5.8	41
85	Self-assembly of triple helical and meso-helical cylindrical arrays tunable by bis-tripodal coordination converters. *Inorganic Chemistry*, **2008**, 47, 10692-9	5.1	41
84	Exploring Applications of Covalent Organic Frameworks: Homogeneous Reticulation of Radicals for Dynamic Nuclear Polarization. *Journal of the American Chemical Society*, **2018**, 140, 6969-6977	16.4	41
83	In situ 1H MAS NMR investigations of the H/D exchange of alkylaromatic hydrocarbons on zeolites H-Y, La,Na-Y, and H-ZSM-5. *Microporous and Mesoporous Materials*, **2007**, 99, 86-90	5.3	40
82	Insights into the asymmetric heterogeneous catalysis in porous organic polymers: constructing a TADDOL-embedded chiral catalyst for studying the structure-activity relationship. *Chemistry - A European Journal*, **2014**, 20, 11019-28	4.8	38
81	Synthesis of -C[double bond, length as m-dash]N- linked covalent organic frameworks via the direct condensation of acetals and amines. *Chemical Communications*, **2016**, 52, 7217-20	5.8	37
80	Solid-state NMR studies of form I of atorvastatin calcium. *Journal of Physical Chemistry B*, **2012**, 116, 3641-9	3.4	36
79	Facile construction of structurally diverse thiazolidinedione-derived compounds via divergent stereoselective cascade organocatalysis and their biological exploratory studies. *ACS Combinatorial Science*, **2013**, 15, 298-308	3.9	35
78	A Parallel Solid-State NMR and Sensor Property Study on Flower-like Nanostructured SnO2. *Journal of Physical Chemistry C*, **2010**, 114, 22671-22676	3.8	34
77	Methane Activation on In-Modified ZSM-5: The State of Indium in the Zeolite and Pathways of Methane Transformation to Surface Species. *Journal of Physical Chemistry C*, **2014**, 118, 8034-8043	3.8	32
76	Reactivity of Methoxy Species toward CO on Keggin 12-H3PW12O40: A Study with Solid State NMR. *Journal of Physical Chemistry C*, **2009**, 113, 19639-19644	3.8	31
75	Local Structure of Framework Aluminum in Zeolite H□SM-5 during Conversion of Methanol Investigated by In Situ NMR Spectroscopy. *Journal of Physical Chemistry B*, **2001**, 105, 8143-8148	3.4	30
74	Carbonylation of dimethyl ether on solid Rh-promoted Cs-salt of Keggin 12-H3PW12O40: A solid-state NMR study of the reaction mechanism. *Journal of Catalysis*, **2011**, 277, 72-79	7.3	29
73	Organocatalyzed Highly Enantioselective and anti-Selective Construction of □Butenolides through Vinylogous Mukaiyama Aldol Reaction. *Advanced Synthesis and Catalysis*, **2010**, 352, 1291-1295	5.6	29
72	29Si and 27Al MAS NMR characterization of non-hydrated zeolites Y upon adsorption of ammonia. *Microporous and Mesoporous Materials*, **2006**, 90, 246-250	5.3	29
71	Chiral norbornane-bridged periodic mesoporous organosilicas. *Journal of Materials Chemistry*, **2010**, 20, 6026		28

70	Mechanism studies of the conversion of 13C-labeled n-butane on zeolite H-ZSM-5 by using 13C magic angle spinning NMR spectroscopy and GC-MS analysis. *Chemistry - A European Journal*, **2005**, 12, 457-65	4.8	28
69	Formation of acetone enol on acidic zeolite ZSM-5 evidenced by H/D exchange. *Chemical Communications*, **2003**, 722-3	5.8	28
68	Proline-based reduced dipeptides as recyclable and highly enantioselective organocatalysts for asymmetric Michael addition. *Organic and Biomolecular Chemistry*, **2011**, 9, 6487-90	3.9	27
67	Effect of probe molecules with different proton affinities on the coordination of boron atoms in dehydrated zeolite H-[B]ZSM-5. *Microporous and Mesoporous Materials*, **2007**, 99, 91-97	5.3	27
66	Formation and decomposition of N,N,N-trimethylanilinium cations on zeolite H-Y investigated by in situ stopped-flow MAS NMR spectroscopy. *Journal of the American Chemical Society*, **2002**, 124, 7548-54	16.4	27
65	Sulfhydryl functionalized covalent organic framework as an efficient adsorbent for selective Pb (II) removal. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 600, 125004	5.1	26
64	Non-Interpenetrated Single-Crystal Covalent Organic Frameworks. *Angewandte Chemie - International Edition*, **2020**, 59, 17991-17995	16.4	25
63	One-pot approach to Pd-loaded porous polymers with properties tunable by the oxidation state of the phosphorus core. *Polymer Chemistry*, **2015**, 6, 6351-6357	4.9	24
62	Metal-Directed Assembly of Hexameric Ring, Dimeric Ring and 1D Chain from a Branched Tripodal Ligand. *Crystal Growth and Design*, **2011**, 11, 4876-4884	3.5	22
61	Synthesis of 2-Aminobenzothiazoles via Copper(I)-Catalyzed Cross-Coupling with Part-Per-Million Catalyst Loadings. *Advanced Synthesis and Catalysis*, **2011**, 353, 1174-1178	5.6	21
60	Influence of structure on the spectroscopic properties of the polymorphs of piroxicam. *Journal of Physical Chemistry B*, **2010**, 114, 16641-9	3.4	21
59	Organocatalytic Michael Addition of Nitro Esters to □Unsaturated Aldehydes: Towards the Enantioselective Synthesis of trans-3-Substituted Proline Derivatives. *Advanced Synthesis and Catalysis*, **2012**, 354, 2635-2640	5.6	20
58	Highly efficient and selective removal of Cr(VI) by covalent organic frameworks: Structure, performance and mechanism. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 600, 124910	5.1	19
57	Covalent Organic Frameworks in Separation. *Annual Review of Chemical and Biomolecular Engineering*, **2020**, 11, 131-153	8.9	19
56	Two selective fluorescent chemosensors for cadmium ions in 99% aqueous solution: the end group effect on the selectivity, DFT calculations and biological applications. *Dalton Transactions*, **2012**, 41, 2060-5	4.3	18
55	Response to comments on the paper: □ffect 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. *Journal of Catalysis*, **2006**, 244, 134-136	7.3	18
54	Sequential Steps of Ammoniation of the Microporous Silicoaluminophosphates H-SAPO-34 and H-SAPO-37 Investigated by In Situ CF MAS NMR Spectroscopy. *Journal of Physical Chemistry B*, **2004**, 108, 3107-3113	3.4	18
53	Effect of surface methoxy groups on the 27Al quadrupole parameters of framework aluminum atoms in calcined zeolite H□. *Chemical Physics Letters*, **2003**, 370, 88-93	2.5	18

52	Fabrication of porous polymer microspheres by tuning amphiphilicity of the polymer and emulsion solvent evaporation processing. *European Polymer Journal*, **2015**, 68, 409-418	5.2	17
51	Effects of adsorbate molecules on the quadrupolar interaction of framework aluminum atoms in dehydrated zeolite H,Na-Y. *Journal of Physical Chemistry B*, **2006**, 110, 13812-8	3.4	17
50	n-Butane conversion on sulfated zirconia: in situ 13C MAS NMR monitoring of the kinetics of the 13C-label scrambling and isomerization. *Catalysis Letters*, **2005**, 101, 181-185	2.8	17
49	Pyrimidazole-Based Covalent Organic Frameworks: Integrating Functionality and Ultrastability via Isocyanide Chemistry. *Journal of the American Chemical Society*, **2020**, 142, 20956-20961	16.4	17
48	Effect of Dehydration on the Local Structure of Framework Silicon Atoms in Zeolites Y Investigated by Solid-State NMR Spectroscopy. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2005**, 631, 484-490	1.3	16
47	Tuning Hierarchical ZSM-5 Zeolite for Both Gas- and Liquid-Phase Biorefining. *ACS Catalysis*, **2020**, 10, 1185-1194	13.1	16
46	Divergent Synthesis of Chiral Covalent Organic Frameworks. *Angewandte Chemie*, **2019**, 131, 9543-9547	3.6	14
45	Pyrrolidine-based chiral porous polymers for heterogeneous organocatalysis in water. *Polymer Chemistry*, **2019**, 10, 3298-3305	4.9	14
44	Alkane Activation Initiated by Hydride Transfer: Co-conversion of Propane and Methanol over H-ZSM-5 Zeolite. *Angewandte Chemie - International Edition*, **2015**, 54, 7363-6	16.4	14
43	In situ stopped-flow (SF) MAS NMR spectroscopy: a novel NMR technique applied for the study of aniline methylation on a solid base catalyst. *Chemical Communications*, **2001**, 1362-1363	5.8	14
42	Adsorptive removal of diclofenac sodium from aqueous solution by magnetic COF: Role of hydroxyl group on COF. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 603, 125238	5.1	13
41	A self-supported polymeric MacMillan catalyst for homogeneous organocatalysis and heterogeneous recycling. *Chemistry - an Asian Journal*, **2013**, 8, 1110-4	4.5	13
40	Synthesis and immobilization of quaternary ammonium cations in acidic zeolites. *Chemical Communications*, **2003**, 2600-1	5.8	13
39	Diverse crystal size effects in covalent organic frameworks. *Nature Communications*, **2020**, 11, 6128	17.4	13
38	A Three-Dimensional sp Carbon-Conjugated Covalent Organic Framework. *Journal of the American Chemical Society*, **2021**, 143, 15562-15566	16.4	13
37	Rhodium(I)-Catalyzed Synthesis of Aryltriethoxysilanes from Arenediazonium Tosylate Salts with Triethoxysilane. *Synlett*, **2010**, 2010, 804-808	2.2	12
36	Solid state NMR spectroscopy. *Analytical Chemistry*, **2010**, 82, 4917-24	7.8	12
35	Characterization of Solid Catalysts in the Functioning State by Nuclear Magnetic Resonance Spectroscopy. *Advances in Catalysis*, **2006**, 149-225	2.4	12

34	Mechanism of Aniline Methylation on Zeolite Catalysts Investigated by In Situ 13C NMR Spectroscopy. *Kinetics and Catalysis*, **2003**, 44, 701-709	1.5	12
33	Advances in Porous Organic Catalysis. *Acta Chimica Sinica*, **2015**, 73, 498	3.3	12
32	A new NMR crystallographic approach to reveal the calcium local structure of atorvastatin calcium. *Physical Chemistry Chemical Physics*, **2019**, 21, 6319-6326	3.6	11
31	Preparation of a series of aCTV-based covalent organic frameworks and substituent effects on their properties. *CrystEngComm*, **2016**, 18, 1039-1045	3.3	11
30	Mesostructure-controlled synthesis of chiral norbornane-bridged periodic mesoporous organosilicas. *RSC Advances*, **2012**, 2, 2010	3.7	11
29	Methylation of Phenol by Methanol on Acidic Zeolite H Investigated by in situ CF MAS NMR Spectroscopy. *Catalysis Letters*, **2004**, 94, 119-123	2.8	11
28	A concise synthesis of L-pyrrolysine. *Chemistry - A European Journal*, **2013**, 19, 8078-81	4.8	10
27	Undulated 2D Covalent Organic Frameworks Based on Bowl-Shaped Cyclotricatechylene. *Chinese Journal of Chemistry*, **2016**, 34, 783-787	4.9	9
26	A fluorescent sensor for selective, sensitive, and recyclable detection of mercury(II) in aqueous solution based on a zinc(II) coordination polymer. *Inorganic Chemistry Communication*, **2018**, 89, 73-77	3.1	8
25	Enantioseletive Fluorination of 3-Functionalized Oxindoles Using Electron-rich Amino Urea Catalyst. *Advanced Synthesis and Catalysis*, **2018**, 360, 4710-4714	5.6	8
24	An Open-Framework Aluminophosphite with Face-Sharing AlO6 Octahedra Dimers and Extra-Large 14-Ring Channels. *Crystal Growth and Design*, **2018**, 18, 1267-1271	3.5	7
23	Alkane Activation Initiated by Hydride Transfer: Co-conversion of Propane and Methanol over H-ZSM-5 Zeolite. *Angewandte Chemie*, **2015**, 127, 7471-7474	3.6	6
22	C?C Bond Formation by Michael Reaction **2013**, 147-203		6
21	Constructing Stacked Supramolecular Cage Based Hierarchical Self-Assemblies via Stacking and Hydrogen Bonding. *Journal of the American Chemical Society*, **2021**, 143, 10920-10929	16.4	6
20	Numerical exploration of hydrodynamic features in a methanol-to-olefins fluidized bed reactor with two parallel reaction zones. *Powder Technology*, **2020**, 372, 336-350	5.2	5
19	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). *Journal of Magnetic Resonance*, **2010**, 206, 177-81	3	5
18	Metal-organic frameworks based on Schiff base condensation reaction as battery-type electrodes for supercapattery. *Electrochimica Acta*, **2021**, 385, 138434	6.7	5
17	Synthesis of MXene/COF/Cu2O heterojunction for photocatalytic bactericidal activity and mechanism evaluation. *Chemical Engineering Journal*, **2021**, 132663	14.7	5

16	Hierarchical core-shell SiO@COFs@metallic oxide architecture: An efficient flame retardant and toxic smoke suppression for polystyrene. *Journal of Colloid and Interface Science*, **2022**, 605, 241-252	9.3	5
15	Chiral amorphous metal-organic polyhedra used as the stationary phase for high-resolution gas chromatography separations. *Chirality*, **2020**, 32, 1178-1185	2.1	4
14	Enantioselective organocatalytic Michael addition of isorhodanines to □unsaturated aldehydes. *Organic and Biomolecular Chemistry*, **2016**, 14, 3926-33	3.9	4
13	Synthesis and characterization of a fluorotitanophosphate (NH4)0.16K1.84[Ti2F2(PO4)2(PO3OH)] with a unique lamella framework. *Inorganic Chemistry*, **2009**, 48, 5449-53	5.1	4
12	Time-resolved observation of the decomposition process of N,N,N-Trimethylanilinium cations on zeolite H-Y by in situ stopped-flow 13C MAS NMR spectroscopy. *Magnetic Resonance Imaging*, **2003**, 21, 329-32	3.3	4
11	Dry-Gel Synthesis of Mesoporous MCM-41 Materials with Modified Pore Structure. *Zeitschrift Fur Physikalische Chemie*, **2005**, 219, 877-890	3.1	4
10	Practical Pd(TFA)2-Catalyzed Aerobic [4+1] Annulation for the Synthesis of Pyrroles via □One-Pot□ Cascade Reactions. *Catalysts*, **2016**, 6, 169	4	4
9	Non-Interpenetrated Single-Crystal Covalent Organic Frameworks. *Angewandte Chemie*, **2020**, 132, 18147-18151	3.6	3
8	Solid-State NMR Spectroscopy **2008**, 912		2
7	Porous Organic Polymers: A New Star in Porous Materials. *Acta Chimica Sinica*, **2015**, 73, 461	3.3	2
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