

Wenfu Yan

List of Publications by Year in descending order

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143
papers

4,043
citations

101543

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h-index

149698

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145
all docs

145
docs citations

145
times ranked

4391
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerated crystallization of zeolites via hydroxyl free radicals. <i>Science</i> , 2016, 351, 1188-1191.	12.6	297
2	Collective excitation of plasmon-coupled Au-nanochain boosts photocatalytic hydrogen evolution of semiconductor. <i>Nature Communications</i> , 2019, 10, 4912.	12.8	157
3	Effect of large pore size of multifunctional mesoporous microsphere on removal of heavy metal ions. <i>Journal of Hazardous Materials</i> , 2013, 254-255, 157-165.	12.4	128
4	Defect Engineering on Carbon-Based Catalysts for Electrocatalytic CO ₂ Reduction. <i>Nano-Micro Letters</i> , 2021, 13, 5.	27.0	118
5	Mesoporous Nanoarchitectures for Electrochemical Energy Conversion and Storage. <i>Advanced Materials</i> , 2020, 32, e2004654.	21.0	109
6	Removal of Zn ²⁺ , Pb ²⁺ , Cd ²⁺ , and Cu ²⁺ from aqueous solution by synthetic clinoptilolite. <i>Microporous and Mesoporous Materials</i> , 2019, 273, 203-211.	4.4	103
7	Pt/Al ₂ O ₃ with ultralow Pt-loading catalyze toluene oxidation: Promotional synergistic effect of Pt nanoparticles and Al ₂ O ₃ support. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117943.	20.2	101
8	Cotemplating Ionothermal Synthesis of a New Open-Framework Aluminophosphate with Unique Al/P Ratio of 6/7. <i>Chemistry of Materials</i> , 2008, 20, 4179-4181.	6.7	94
9	Plasmonic Au nanoparticles embedding enhances the activity and stability of CdS for photocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2016, 52, 2394-2397.	4.1	82
10	Structures and Templating Effect in the Formation of 2D Layered Aluminophosphates with Al ₃ P ₄ O ₁₆ -Stoichiometry. <i>Chemistry of Materials</i> , 1999, 11, 2600-2606.	6.7	76
11	Electron donation of non-oxide supports boosts O ₂ activation on nano-platinum catalysts. <i>Nature Communications</i> , 2021, 12, 2741.	12.8	72
12	[Al ₁₂ P ₁₃ O ₅₂] ₃ -[(CH ₂) ₆ N ₄ H ₃] ₃ ·nH ₂ O: An Anionic Aluminophosphate Molecular Sieve with Brønsted Acidity. <i>Chemistry of Materials</i> , 2000, 12, 2517-2519.	6.7	69
13	Highly efficient CoMoS heterostructure derived from vertically anchored Co ₅ Mo ₁₀ polyoxometalate for electrocatalytic overall water splitting. <i>Chemical Engineering Journal</i> , 2020, 394, 124849.	12.7	67
14	Preparation and Electrochemical Performance of Tungstovanadophosphoric Heteropoly Acid and Its Hybrid Materials. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3258-3263.	3.1	64
15	Fabricating Mechanically Robust Binder-Free Structured Zeolites by 3D Printing Coupled with Zeolite Soldering: A Superior Configuration for CO ₂ Capture. <i>Advanced Science</i> , 2019, 6, 1901317.	11.2	61
16	Novel Luminescent Benzimidazole-Substituent Tris(2,4,6-trichlorophenyl)methyl Radicals: Photophysics, Stability, and Highly Efficient Red-Orange Electroluminescence. <i>Chemistry of Materials</i> , 2017, 29, 6733-6739.	6.7	58
17	Atomically dispersed Ni on Mo ₂ C embedded in N, P co-doped carbon derived from polyoxometalate supramolecule for high-efficiency hydrogen evolution electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120336.	20.2	58
18	Rational confinement engineering of MOF-derived carbon-based electrocatalysts toward CO ₂ reduction and O ₂ reduction reactions. <i>Informa An-Materi</i> , 2022, 4, .	17.3	58

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19	Heterostructures of Ag ₃ PO ₄ /TiO ₂ mesoporous spheres with highly efficient visible light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 246-253.	9.4	55
20	Reversible phase transformation-type electrolyte based on layered shape polyoxometalate. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5780.	10.3	53
21	Amino-functionalized magnetic mesoporous microspheres with good adsorption properties. <i>Materials Research Bulletin</i> , 2014, 49, 279-284.	5.2	52
22	Correlation between the microstructures of graphite oxides and their catalytic behaviors in air oxidation of benzyl alcohol. <i>Journal of Colloid and Interface Science</i> , 2014, 421, 71-77.	9.4	49
23	Fe ₃ O ₄ Nanoparticles Anchored on Carbon Serve the Dual Role of Catalyst and Magnetically Recoverable Entity in the Aerobic Oxidation of Alcohols. <i>ChemCatChem</i> , 2016, 8, 805-811.	3.7	49
24	Interlayer expanded lamellar CoSe ₂ on carbon paper as highly efficient and stable overall water splitting electrodes. <i>Electrochimica Acta</i> , 2017, 241, 106-115.	5.2	48
25	Synthesis and Post-Synthesis Transformation of Germanosilicate Zeolites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19380-19389.	13.8	48
26	Molecular engineering of microporous crystals: (III) The influence of water content on the crystallization of microporous aluminophosphate AlPO ₄ -11. <i>Microporous and Mesoporous Materials</i> , 2012, 147, 212-221.	4.4	47
27	Chiral zeolite beta: structure, synthesis, and application. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1938-1951.	6.0	47
28	Synthesis of chiral polymorph A-enriched zeolite Beta with an extremely concentrated fluoride route. <i>Scientific Reports</i> , 2015, 5, 11521.	3.3	43
29	Effects of substituents on luminescent efficiency of stable triaryl methyl radicals. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18657-18662.	2.8	43
30	Low-energy adsorptive separation by zeolites. <i>National Science Review</i> , 2022, 9, .	9.5	41
31	Highly-efficient cocatalyst-free H ₂ -evolution over silica-supported CdS nanoparticle photocatalysts under visible light. <i>Chemical Communications</i> , 2015, 51, 10676-10679.	4.1	40
32	High performance proton-conducting composite based on vanadium-substituted Dawson-type heteropoly acid for proton exchange membranes. <i>Composites Science and Technology</i> , 2018, 162, 1-6.	7.8	40
33	Colloidal synthesis of high-performance FeSe/CoSe nanocomposites for electrochemical oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019, 297, 197-205.	5.2	39
34	Synergism of Pt nanoparticles and iron oxide support for chemoselective hydrogenation of nitroarenes under mild conditions. <i>Chinese Journal of Catalysis</i> , 2019, 40, 214-222.	14.0	38
35	A novel open-framework aluminophosphate [AlP ₂ O ₆ (OH) ₂][H ₃ O] containing propeller-like chiral motifs. <i>Chemical Communications</i> , 2000, , 1431-1432.	4.1	37
36	Morphology Changes of Transition-Metal-Substituted Aluminophosphate Molecular Sieve AlPO ₄ -5 Crystals. <i>Chemistry of Materials</i> , 2008, 20, 2160-2164.	6.7	37

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37	Rational design of carbon support to prepare ultrafine iron oxide catalysts for air oxidation of alcohols. <i>Catalysis Science and Technology</i> , 2015, 5, 3097-3102.	4.1	36
38	Multivariate Synergistic Flexible Metal-Organic Frameworks with Superproton Conductivity for Direct Methanol Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26577-26581.	13.8	34
39	An efficient synthetic route to accelerate zeolite synthesis <i>via</i> radicals. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2106-2110.	6.0	33
40	Singlet oxygen-promoted one-pot synthesis of highly ordered mesoporous silica materials <i>via</i> the radical route. <i>Green Chemistry</i> , 2022, 24, 4778-4782.	9.0	33
41	Synthesis, crystal structure and conductive performance of tungstovanadophosphoric heteropoly acid H ₄ PW ₁₁ VO ₄₀ ·8H ₂ O. <i>Journal of Alloys and Compounds</i> , 2012, 544, 37-41.	5.5	32
42	Au nanoparticle decorated N-containing polymer spheres: additive-free synthesis and remarkable catalytic behavior for reduction of 4-nitrophenol. <i>Journal of Materials Science</i> , 2015, 50, 1323-1332.	3.7	32
43	The inorganic cation-tailored "trapdoor" effect of silicoaluminophosphate zeolite for highly selective CO ₂ separation. <i>Chemical Science</i> , 2021, 12, 8803-8810.	7.4	32
44	High-Silica CHA Zeolite Membrane with Ultra-High Selectivity and Irradiation Stability for Krypton/Xenon Separation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9032-9037.	13.8	32
45	A dual templating route to three-dimensionally ordered mesoporous carbon nanonetworks: tuning the mesopore type for electrochemical performance optimization. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18867-18873.	10.3	31
46	Role of the FeO _x support in constructing high-performance Pt/FeO _x catalysts for low-temperature CO oxidation. <i>Catalysis Science and Technology</i> , 2016, 6, 1546-1554.	4.1	31
47	Thermoresponsive Polyoxometalate/Ionic Liquid Supramolecular Gel Electrolytes for Supercapacitors: Fabrication, Structure, and Heteropolyanion Structure Effect. <i>Langmuir</i> , 2017, 33, 4242-4249.	3.5	31
48	Synthesis of Ni-Co Hydroxide Nanosheets Constructed Hollow Cubes for Electrochemical Glucose Determination. <i>Sensors</i> , 2019, 19, 2938.	3.8	31
49	An anionic framework aluminophosphate (CH ₂) ₆ N ₄ H ₃ ·H ₂ O [Al ₁₁ P ₁₂ O ₄₈] and computer simulation of the template positions. <i>Microporous and Mesoporous Materials</i> , 2001, 50, 151-158.	4.4	30
50	A Layered Cationic Aluminum Oxyhydroxide as a Highly Efficient and Selective Trap for Heavy Metal Oxyanions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19539-19544.	13.8	30
51	Synthesis, Crystal Structure, and Solid-State NMR Spectroscopy of a New Open-Framework Aluminophosphate (NH ₄) ₂ Al ₄ (PO ₄) ₄ (HPO ₄)·H ₂ O. <i>Inorganic Chemistry</i> , 2005, 44, 4391-4397.	4.0	27
52	Ligand substitution induced single-crystal-to-single-crystal transformations in two Ni(II) coordination compounds displaying consequential changes in proton conductivity. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1880-1891.	6.0	27
53	Synthesis and characterization of a new three-dimensional aluminophosphate [Al ₁₁ P ₁₂ O ₄₈][C ₄ H ₁₂ N ₂][C ₄ H ₁₁ N ₂] with an Al/P ratio of 11/12. <i>Dalton Transactions RSC</i> , 2001, , 1809-1812.	2.3	26
54	Concave Pt-Zn Nanocubes with High-Index Faceted Pt Skin as Highly Efficient Oxygen Reduction Catalyst. <i>Advanced Science</i> , 2022, 9, e2200147.	11.2	25

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55	Molecular engineering of microporous crystals: (I) New insight into the formation process of open-framework aluminophosphates. <i>Microporous and Mesoporous Materials</i> , 2009, 123, 50-62.	4.4	24
56	Porous Copper-Loaded Zeolites for High-Efficiency Capture of Iodine from Spent Fuel Reprocessing Off-Gas. <i>Inorganic Chemistry</i> , 2022, 61, 7746-7753.	4.0	23
57	Electron Beam Irradiation-Induced Formation of Defect-Rich Zeolites under Ambient Condition within Minutes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14858-14863.	13.8	22
58	Bi-Functional Fe ₃ O ₄ /Au/CoFe-LDH Sandwich-Structured Electrocatalyst for Asymmetrical Electrolyzer with Low Operation Voltage. <i>Small</i> , 2021, 17, e2103307.	10.0	22
59	NiCo-embedded in hierarchically structured N-doped carbon nanoplates for the efficient electrochemical determination of ascorbic acid, dopamine, and uric acid. <i>RSC Advances</i> , 2015, 5, 65532-65539.	3.6	21
60	Emerging investigator series: significantly enhanced uptake of Eu ³⁺ on a nanoporous zeolitic mineral in the presence of UO ₂ ²⁺ : insights into the impact of cation-cation interaction on the geochemical behavior of lanthanides and actinides. <i>Environmental Science: Nano</i> , 2019, 6, 736-746.	4.3	21
61	Interfacial polarization in ultra-small Co ₃ S ₄ ~MoS ₂ heterostructure for efficient electrocatalytic hydrogen evolution reaction. <i>Applied Materials Today</i> , 2022, 26, 101311.	4.3	21
62	Molecular engineering of microporous crystals: (VI) Structure-directing effect in the crystallization process of layered aluminophosphates. <i>Microporous and Mesoporous Materials</i> , 2012, 164, 56-66.	4.4	20
63	MoP supported on reduced graphene oxide for high performance electrochemical nitrogen reduction. <i>Dalton Transactions</i> , 2020, 49, 988-992.	3.3	20
64	The facile synthesis of core-shell PtCu nanoparticles with superior electrocatalytic activity and stability in the hydrogen evolution reaction. <i>RSC Advances</i> , 2021, 11, 26326-26335.	3.6	20
65	Anionic Tuning of Zeolite Crystallization. <i>CCS Chemistry</i> , 2021, 3, 189-198.	7.8	20
66	Preparation and conductivity of the Keggin-type trivanadium-substituted tungstosilicic acid H ₇ SiW ₉ V ₃ O ₄₀ ·9H ₂ O. <i>Materials Letters</i> , 2014, 115, 165-167.	2.6	19
67	Thermoregulated polyoxometalate-based ionic-liquid gel electrolytes. <i>RSC Advances</i> , 2015, 5, 21973-21977.	3.6	19
68	An elaborate structure investigation of the chiral polymorph A-enriched zeolite beta. <i>CrystEngComm</i> , 2016, 18, 1782-1789.	2.6	19
69	Molecular engineering of microporous crystals: (V) Investigation of the structure-directing ability of piperazine in forming two layered aluminophosphates. <i>Microporous and Mesoporous Materials</i> , 2012, 155, 153-166.	4.4	18
70	Molecular engineering of microporous crystals: (VII) The molar ratio dependence of the structure-directing ability of piperazine in the crystallization of four aluminophosphates with open-frameworks. <i>Microporous and Mesoporous Materials</i> , 2013, 176, 112-122.	4.4	18
71	Proton conducting composite materials containing heteropoly acid and matrices. <i>Materials Chemistry and Physics</i> , 2013, 143, 355-359.	4.0	18
72	The dependence of the structure-directing effect of piperazine and the crystallization pathways of open-framework aluminophosphates on the local environment of the initial mixture. <i>Microporous and Mesoporous Materials</i> , 2014, 183, 108-116.	4.4	18

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73	Temperature-dependent gel-type ionic liquid compounds based on vanadium-substituted polyoxometalates with Keggin structure. <i>Dalton Transactions</i> , 2016, 45, 3958-3963.	3.3	18
74	Co-templated synthesis of polymorph A-enriched zeolite beta. <i>Microporous and Mesoporous Materials</i> , 2016, 226, 19-24.	4.4	18
75	β -FeOOH self-supporting electrode for efficient electrochemical anodic oxidation process. <i>Chemosphere</i> , 2020, 261, 127674.	8.2	15
76	Exsolution of Iron Oxide on LaFeO ₃ Perovskite: A Robust Heterostructured Support for Constructing Self-Adjustable Pt-Based Room-Temperature CO Oxidation Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27029-27040.	8.0	15
77	Origin of the structure-directing effect resulting in identical topological open-framework materials. <i>Scientific Reports</i> , 2015, 5, 14940.	3.3	14
78	Synthesis and characterization of novel azo-containing or azoxy-containing Schiff bases and their antiproliferative and cytotoxic activities. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 60-64.	2.6	14
79	Condensed-matter chemistry: from materials to living organisms. <i>National Science Review</i> , 2019, 6, 191-194.	9.5	14
80	Rapid removal of Sr ²⁺ , Cs ⁺ and UO ₂ ²⁺ from solution with surfactant and amino acid modified zeolite Y. <i>Microporous and Mesoporous Materials</i> , 2020, 302, 110244.	4.4	14
81	Enhancing catalytic performance of Cu-SSZ-13 for the NH ₃ -SCR reaction <i>via in situ</i> introduction of Fe ³⁺ with diatomite. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7787-7795.	5.9	14
82	Molecular engineering of microporous crystals: (VIII) The solvent-dependence of the structure-directing effect of ethylenediamine in the synthesis of open-framework aluminophosphates. <i>Microporous and Mesoporous Materials</i> , 2015, 208, 105-112.	4.4	13
83	Stellerite-seeded facile synthesis of zeolite heulandite with exceptional aqueous Cd ²⁺ capture performance. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1785-1792.	6.0	13
84	Layered Inorganic Cationic Frameworks beyond Layered Double Hydroxides (LDHs): Structures and Applications. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 4055-4063.	2.0	13
85	Identification of the key factor promoting the enrichment of chiral polymorph A in zeolite beta and the synthesis of chiral polymorph A highly enriched zeolite beta. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1640-1645.	6.0	12
86	Facile activation of lithium slag for the hydrothermal synthesis of zeolite A with commercial quality and high removal efficiency for the isotope of radioactive ⁹⁰ Sr. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 468-477.	6.0	12
87	Molecular engineering of microporous crystals: (II) A new method to describe the structures of zeolites and related open-framework crystalline materials. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 148-161.	4.4	11
88	Influence of Al ³⁺ on polymorph A enrichment in the crystallization of beta zeolite. <i>Chinese Journal of Catalysis</i> , 2015, 36, 889-896.	14.0	11
89	Effect of degassing treatment on the deuterium permeability of Pd-Nb-Pd composite membranes during deuterium permeation. <i>Separation and Purification Technology</i> , 2018, 190, 136-142.	7.9	11
90	The structure-directing effect of n-propylamine in the crystallization of open-framework aluminophosphates. <i>Science China Chemistry</i> , 2014, 57, 127-134.	8.2	10

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91	New oxalate-propagated layered Mn ²⁺ /Fe ²⁺ -4,4'-sulfonyldipthalhydrazidate coordination polymers. <i>Journal of Molecular Structure</i> , 2017, 1127, 303-308.	3.6	10
92	Synthesis and conductivity of hybrid materials based on germanium-containing polyoxometalates and ionic liquids. <i>Journal of Coordination Chemistry</i> , 2013, 66, 379-384.	2.2	9
93	The temperature-dependence of the structure-directing effect of 2-methylpiperazine in the synthesis of open-framework aluminophosphates. <i>RSC Advances</i> , 2014, 4, 39011-39019.	3.6	9
94	Synthesis and high proton conductive performance of vanadium-substituted Dawson structure heteropoly acid H ₈ P ₂ W ₁₆ V ₂ O ₆₂ ·20H ₂ O. <i>Materials Letters</i> , 2016, 181, 1-3.	2.6	9
95	Reversible phase transformation gel-type ionic liquid compounds based on tungstovanadosilicates. <i>Journal of Alloys and Compounds</i> , 2016, 660, 17-22.	5.5	9
96	A green route for the crystallization of a chiral polymorph A-enriched zeolite beta. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 802-805.	6.0	9
97	A chiral open-framework fluorinated cobalt phosphate consists of distorted F-encapsulated double 4-ring units with bulk homochirality. <i>Chemical Communications</i> , 2019, 55, 226-228.	4.1	9
98	Synthesis, structure and photocatalytic property of a novel Zn(II) coordination polymer based on in situ synthesized pyridine-3,4-dicarboxylhydrazidate ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118232.	3.9	9
99	Accelerated synthesis of Al-rich zeolite beta via different radicalized seeds in the absence of organic templates. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110633.	4.4	9
100	(C ₄ N ₂ H ₁₂)(NH ₄) ₂ [(GeO ₂) ₃ (GeO _{1.5} F ₃) ₂]: A new layered germanate containing helical arrays of H-bond. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1842-1845.	3.9	8
101	Syntheses and electrochemical properties of polyoxometalate salts with Dawson structure. <i>Russian Journal of Electrochemistry</i> , 2014, 50, 398-401.	0.9	8
102	Proton-conductive membranes based on vanadium substituted heteropoly acids with Keggin structure and polymers. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	8
103	PW ₉ V ₃ /rGO/SPEEK hybrid material: an excellent proton conductor. <i>RSC Advances</i> , 2016, 6, 84689-84693.	3.6	8
104	New 4-carboxylphthalhydrazidate-bridged Mn ²⁺ /In ³⁺ coordination polymers. <i>Journal of Molecular Structure</i> , 2017, 1134, 728-733.	3.6	8
105	An efficient and stable coral-like CoFeS ₂ for wearable flexible all-solid-state asymmetric supercapacitor applications. <i>New Journal of Chemistry</i> , 2021, 45, 16606-16616.	2.8	8
106	Photoinduced Generation of Metastable Sulfur Vacancies Enhancing the Intrinsic Hydrogen Evolution Behavior of Semiconductors. <i>Solar Rrl</i> , 2021, 5, 2100580.	5.8	8
107	Synthesis and conductivity of substituted heteropoly acid with Dawson structure H ₇ [Ga(H ₂ O)P ₂ W ₁₇ O ₆₁]·18H ₂ O. <i>Science Bulletin</i> , 2011, 56, 2327-2330.	1.7	7
108	Facile fabrication of self-assembly polyoxometalate-type hybrid material through supermolecular interactions. <i>Materials Letters</i> , 2015, 154, 156-159.	2.6	7

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109	Polydopamine modified Au/FAU catalytic membrane for CO preferential oxidation. Chinese Journal of Chemical Engineering, 2019, 27, 2560-2565.	3.5	7
110	[(C ₄ N ₂ H ₁₂) ₃ ·H ₂ O][(Al ₂ P ₃ O ₁₂) ₂]: A new anionic open-framework aluminophosphate with helical chains and multi-directional intersecting twelve-ring channels. Inorganic Chemistry Communication, 2012, 22, 167-169.	3.9	6
111	A chiral open-framework fluoroaluminophosphate with enantiomeric excess in the bulk product. Chemical Communications, 2013, 49, 11287.	4.1	6
112	Highly Selective Silica CHA Zeolite Membrane with Ultra-High Selectivity and Irradiation Stability for Krypton/Xenon Separation. Angewandte Chemie, 2021, 133, 9114-9119.	2.0	6
113	Constructing RuCoO _x /NC Nanosheets with Low Crystallinity within ZIF-9 as Bifunctional Catalysts for Highly Efficient Overall Water Splitting. Chemistry - an Asian Journal, 2021, 16, 2511-2519.	3.3	6
114	Boosting selective C ₂ H ₂ /CH ₄ , C ₂ H ₄ /CH ₄ and CO ₂ /CH ₄ adsorption performance via 1,2,3-triazole functionalized triazine-based porous organic polymers. Chinese Journal of Chemical Engineering, 2022, 42, 64-72.	3.5	6
115	Anion-promoted increase of the SiO ₂ /Al ₂ O ₃ ratio of zeolites. Inorganic Chemistry Frontiers, 0, , .	6.0	6
116	Synthesis of Pure Silica Zeolites. Chemical Research in Chinese Universities, 2022, 38, 9-17.	2.6	6
117	A reversible phase transformation monovanadium-substituted Keggin polyoxometalate-based ionic liquid. Materials Letters, 2014, 121, 159-161.	2.6	5
118	Facile fabrication of thermal-control ionic liquid compound based on undecatungstophosphoindic polyoxometalate with fast ionic conductivity. New Journal of Chemistry, 2016, 40, 7923-7927.	2.8	5
119	Spatial separation of the hydrogen evolution center from semiconductors using a freestanding silica-sphere-supported Pt composite. Physical Chemistry Chemical Physics, 2017, 19, 24249-24254.	2.8	5
120	The structure-directing effect of organic amines in the multi-template/one-structure phenomenon of microporous crystal synthesis. Microporous and Mesoporous Materials, 2017, 240, 178-188.	4.4	5
121	Potassium-incorporated manganese oxide enhances the activity and durability of platinum catalysts for low-temperature CO oxidation. Catalysis Science and Technology, 2021, 11, 6369-6373.	4.1	5
122	Phase Transition Behavior of Zeolite Y under Hydrothermal Conditions. Acta Chimica Sinica, 2017, 75, 679.	1.4	5
123	Controllable synthesis of platinum-tin intermetallic nanoparticles with high electrocatalytic performance for ethanol oxidation. Inorganic Chemistry Frontiers, 2022, 9, 1143-1151.	6.0	5
124	Synthesis of P-doped NiS as an electrode material for supercapacitors with enhanced rate capability and cycling stability. New Journal of Chemistry, 2022, 46, 6461-6469.	2.8	5
125	Achieving ultra-dispersed 1T-Co-MoS ₂ @HMCS space-confined engineering for highly efficient hydrogen evolution in the universal pH range. Inorganic Chemistry Frontiers, 2022, 9, 2617-2627.	6.0	5
126	Synthesis, characterization and properties of ruthenium-substituted polyoxometallic acid H ₆ Ru(H ₂ O)FeW ₁₁ O ₃₉ ·18H ₂ O with Keggin structure. Science Bulletin, 2011, 56, 2679-2682.	1.7	4

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127	Temperature-dependence of the influence of the position-2-methyl group on the structure-directing effect of piperazine in the synthesis of open-framework aluminophosphates. <i>Scientific Reports</i> , 2016, 6, 22019.	3.3	4
128	Structure-directing effect on synthesis of layered aluminophosphates with same topology. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 513-519.	2.6	4
129	Synthesis and Post-Synthesis Transformation of Germanosilicate Zeolites. <i>Angewandte Chemie</i> , 2020, 132, 19548-19557.	2.0	4
130	Reducing the dosage of the organic structure-directing agent in the crystallization of pure silica zeolite MFI (silicalite-1) for volatile organic compounds (VOCs) adsorption. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3354-3362.	6.0	4
131	Multivariate Synergistic Flexible Metal-Organic Frameworks with Superproton Conductivity for Direct Methanol Fuel Cells. <i>Angewandte Chemie</i> , 2021, 133, 26781-26785.	2.0	4
132	Influence of fluoride ions on the structure-directing effect of organic amine in the synthesis of aluminophosphate open-frameworks. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 853-859.	2.6	3
133	Encapsulation of bulky solvent molecules into the channels of aluminophosphate molecular sieve and its negative influence on the thermal stability of open-framework. <i>Inorganic Chemistry Communication</i> , 2018, 91, 67-71.	3.9	3
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138	Reversible phase transformation-type electrolyte based on Dawson-type POM and simple quaternary ammonium salt. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 279-283.	2.5	2
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140	Electron Beam Irradiation-Induced Formation of Defect-Rich Zeolites under Ambient Condition within Minutes. <i>Angewandte Chemie</i> , 2021, 133, 14984-14989.	2.0	2
141	Removal of Anionic Dyes from Aqueous Solution with Layered Cationic Aluminum Oxyhydroxide. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 1532-1541.	2.6	1
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