Xiaowei Song

List of Publications by Year
in descending order

57 papers	1,595 citations	331670 21 h-index	302126 39 g-index
68 all docs	68 docs citations	68 times ranked	1951 citing authors

#	Article	IF	Citations
1	Boosting selective C2H2/CH4, C2H4/CH4 and CO2/CH4 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
2	An yttrium-organic framework based on a hexagonal prism second building unit for luminescent sensing of antibiotics and highly effective CO₂ fixation. Inorganic Chemistry Frontiers, 2022, 9, 391-400.	6.0	16
3	Post-synthetic modification of conjugated microporous polymer with imidazolium for highly efficient anionic dyes removal from water. Separation and Purification Technology, 2022, 284, 120245.	7.9	14
4	Dualâ€Functional Photocatalysis for Cooperative Hydrogen Evolution and Benzylamine Oxidation Coupling over Sandwichedâ€Like Pd@TiO₂@ZnIn₂S₄ Nanobox. Small, 2022, 18, e2105114.	10.0	40
5	Metal-assisted synthesis of salen-based porous organic polymer for highly efficient fixation of CO₂ into cyclic carbonates. Inorganic Chemistry Frontiers, 2022, 9, 1208-1216.	6.0	13
6	Post-crosslinking of conjugated microporous polymers using vinyl polyhedral oligomeric silsesquioxane for enhancing surface areas and organic micropollutants removal performance from water. Journal of Colloid and Interface Science, 2022, 615, 697-706.	9.4	8
7	Low-energy adsorptive separation by zeolites. National Science Review, 2022, 9, .	9.5	41
8	Molecule-guided synthesis of conjugated microporous polymers with imidazole derivative units for efficient capture of volatile iodine. Microporous and Mesoporous Materials, 2022, 336, 111871.	4.4	11
9	Achieving highly selective CO₂ adsorption on SAPO-35 zeolites by template-modulating the framework silicon content. Chemical Science, 2022, 13, 5687-5692.	7.4	14
10	Low-temperature water-assisted crystallization approach to MOF@TiO₂ coreâ€“shell nanostructures for efficient dye removal. Inorganic Chemistry Frontiers, 2022, 9, 2725-2733.	6.0	5
11	Increasing the surface area and CO₂uptake of conjugated microporous polymersviaa post-knitting method. Materials Chemistry Frontiers, 2021, 5, 5319-5327.	5.9	17
12	Multifunctional conjugated microporous polymers with pyridine unit for efficient iodine sequestration, exceptional tetracycline sensing and removal. Journal of Hazardous Materials, 2020, 387, 121949.	12.4	66
13	Two zinc metalâ€“organic framework isomers based on pyrazine tetracarboxylic acid and dipyridinylbenzene for adsorption and separation of CO₂ and light hydrocarbons. Dalton Transactions, 2020, 49, 1135-1142.	3.3	25
14	Silsesquioxaneâ€“Carbazole-Corbelled Hybrid Porous Polymers with Flexible Nanopores for Efficient CO₂ Conversion and Luminescence Sensing. ACS Applied Polymer Materials, 2020, 2, 189-197.	4.4	28
15	Molecular Expansion for Constructing Porous Organic Polymers with High Surface Areas and Wellâ€Defined Nanopores. Angewandte Chemie, 2020, 132, 19655-19661.	2.0	1
16	Molecular Expansion for Constructing Porous Organic Polymers with High Surface Areas and Wellâ€Defined Nanopores. Angewandte Chemie - International Edition, 2020, 59, 19487-19493.	13.8	38
17	Mesoporogen-free synthesis of nanosized hierarchical ITQ-21 zeolites. Inorganic Chemistry Frontiers, 2019, 6, 1184-1188.	6.0	5
18	Ultrahigh volatile iodine capture by conjugated microporous polymer based on N,N,Nâ€²,Nâ€²-tetraphenyl-1,4-phenylenediamine. Polymer Chemistry, 2019, 10, 2608-2615.	3.9	45

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19	A stable pillared metalâ€“organic framework constructed by H 4 TCPP ligand as luminescent sensor for selective detection of TNP and Fe 3+ ions. Applied Organometallic Chemistry, 2019, 33, e5243.	3.5	15
20	Preparation of benzodiimidazole-containing covalent triazine frameworks for enhanced selective CO2 capture and separation. Microporous and Mesoporous Materials, 2019, 276, 213-222.	4.4	15
21	Conjugated microporous polymers based on biphenylene for CO₂ adsorption and luminescence detection of nitroaromatic compounds. New Journal of Chemistry, 2018, 42, 9482-9487.	2.8	44
22	Postâ€cationic Modification of a Pyrimidineâ€Based Conjugated Microporous Polymer for Enhancing the Removal Performance of Anionic Dyes in Water. Chemistry - A European Journal, 2018, 24, 7480-7488.	3.3	71
23	Enhancing CO2 Adsorption and Separation Properties of Aluminophosphate Zeolites by Isomorphous Heteroatom Substitutions. ACS Applied Materials & Interfaces, 2018, 10, 43570-43577.	8.0	30
24	Enhancing Gas Sorption and Separation Performance via Bisbenzimidazole Functionalization of Highly Porous Covalent Triazine Frameworks. ACS Applied Materials & Interfaces, 2018, 10, 26678-26686.	8.0	52
25	Synthesis and characterization of two layered aluminophosphates [R-C₈H₁₂N]₈[H₂O]₂Â·[Al₈P₁₂O₄₈ and [S-C₈H₁₂N]₈[H₂O]₂Â·[Al₈P₁₂O₄₈ with a mirror symmetric feature and their proton conductivity. Dalton Transactions, 2017, 46, 9157-9162.	3.3	14
26	Synthesis, structure and gas adsorption properties of a stable microporous Cu-based metalâ€“organic framework assembled from a T-shaped pyridyl dicarboxylate ligand. RSC Advances, 2017, 7, 17697-17703.	3.6	5
27	Interrupted silicogermanate with 10-ring channels: synthesis and structure determination by combining rotation electron diffraction and powder X-ray diffraction. Inorganic Chemistry Frontiers, 2017, 4, 1654-1659.	6.0	4
28	Structural transformation of an imidazolium-templated two-dimensional aluminophosphate and its proton conduction under anhydrous conditions. Materials Letters, 2016, 184, 119-122.	2.6	7
29	Ionothermal synthesis and magnetic study of a new manganese(<scp>ii</scp>) phosphite with an unprecedented Mn/P ratio. Inorganic Chemistry Frontiers, 2016, 3, 924-927.	6.0	9
30	Synthesis and proton conductivity of a new two-dimensional layered aluminophosphate [C9H14N]8[H2O]4Â·[Al8P12O48H4]. Inorganic Chemistry Communication, 2015, 56, 133-136.	3.9	8
31	Ionothermal synthesis of a new three-dimensional manganese(<scp>ii</scp>) phosphate with DFT-zeotype structure. RSC Advances, 2015, 5, 21019-21022.	3.6	3
32	A luminescent cadmium metalâ€“organic framework for sensing of nitroaromatic explosives. Dalton Transactions, 2015, 44, 230-236.	3.3	137
33	Preparation of superhydrophobic materials for oil/water separation and oil absorption using PMHSâ€“TEOS-derived xerogel and polystyrene. Journal of Sol-Gel Science and Technology, 2014, 72, 385-393.	2.4	23
34	Ionothermal synthesis of a new open-framework manganese(II) diphosphate. Inorganic Chemistry Communication, 2014, 44, 151-154.	3.9	6
35	Synthesis and Characterization of Tungstophosphoric Acid/Pentaethylenehexamine/ZrSBAâ€15 and Its Use in the Selective Oxidation of Benzyl Alcohol under Solventâ€Free Conditions. European Journal of Inorganic Chemistry, 2014, 2014, 2337-2344.	2.0	16
36	Correlation between pore-expanding and dye adsorption of platelet C/SBA-15 prepared by carbonization and oxidation of P123-TMB/SBA-15 composites. Journal of Sol-Gel Science and Technology, 2014, 70, 451-463.	2.4	7

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37	A dual responsive targeted drug delivery system based on smart polymer coated mesoporous silica for laryngeal carcinoma treatment. New Journal of Chemistry, 2014, 38, 4830-4836.	2.8	58
38	Microwave-assisted synthesis of a thermally stable Zn-containing aluminophosphate with ERI-zeotype structure templated by diquaternary alkylammonium. RSC Advances, 2014, 4, 49846-49849.	3.6	4
39	Designed synthesis of multifunctional Fe 3 O 4 @SiO 2 â€“NH 2 @CSâ€“Co(II) towards efficient oxidation of ethylbenzene. Materials Research Bulletin, 2014, 60, 665-673.	5.2	17
40	Synthesis and characterization of a new open-framework mixed-valence aluminumâ€“iron phosphate (C4H12N2)2[Fe2Al5(PO4)8(H2O)]. Inorganic Chemistry Communication, 2014, 47, 99-101.	3.9	2
41	Synergistic effect of Zr-incorporated framework and subsequent deposition of PEHA towards efficient and reusable HPW/PEHA/ZrSBA-15 composites. Journal of Sol-Gel Science and Technology, 2014, 71, 354-363.	2.4	2
42	Synthesis and crystal morphology control of AlPO4-5 molecular sieves by microwave irradiation. Solid State Sciences, 2014, 29, 41-47.	3.2	2
43	Dye removal of activated carbons prepared from NaOH-pretreated rice husks by low-temperature solution-processed carbonization and H3PO4 activation. Bioresource Technology, 2013, 144, 401-409.	9.6	144
44	Magnetic and Stable H₃PW₁₂O₄₀â€Based Core@shell Nanomaterial towards the Esterification of Oleic Acid with Methanol. European Journal of Inorganic Chemistry, 2013, 2013, 5428-5435.	2.0	12
45	Synthesis and characterization of zinc borophosphates with ANA-zeotype framework by the microwave method. Journal of Solid State Chemistry, 2013, 202, 300-304.	2.9	3
46	Dye adsorption of mesoporous activated carbons produced from NaOH-pretreated rice husks. Bioresource Technology, 2013, 136, 437-443.	9.6	191
47	A Gallogermanate Zeolite with Elevenâ€Memberedâ€Ring Channels. Angewandte Chemie - International Edition, 2013, 52, 5501-5503.	13.8	40
48	Synthesis, characterization and template removal of an iron-containing aluminophosphate molecular sieve with LAU topology. Microporous and Mesoporous Materials, 2013, 165, 14-19.	4.4	5
49	Fabrication and Catalytic Performance of Highly Stable Multifunctional Coreâ€“Shell Zeolite Composites. Inorganic Chemistry, 2013, 52, 10708-10710.	4.0	26
50	|(C₄NH₁₂)₄|[M₄Al₁₂P₁₆O₆₄] (M = Co, Zn): New Heteroatom-Containing Aluminophosphate Molecular Sieves with Two Intersecting 8-Ring Channels. Inorganic Chemistry, 2012, 51, 1969-1974.	4.0	30
51	Syntheses and characterizations of heteroatom-containing open-framework aluminophosphates. Dalton Transactions, 2011, 40, 9289.	3.3	6
52	Heteroatomâ€Stabilized Chiral Framework of Aluminophosphate Molecular Sieves. Angewandte Chemie - International Edition, 2009, 48, 314-317.	13.8	87
53	Molecular engineering of microporous crystals: (I) New insight into the formation process of open-framework aluminophosphates. Microporous and Mesoporous Materials, 2009, 123, 50-62.	4.4	24
54	Syntheses and Characterizations of Transition-Metal-Substituted Aluminophosphate Molecular Sieves |(C₃N₂H₅)₈|[M₈Al₁₆P₂₄O₉₆ (M = Co, Mn, Zn) with Zeotype LAU Topology. Inorganic Chemistry, 2009, 48, 198-203.	4.0	19

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55	Crystallization of magnesium substituted aluminophosphate of type-36 as studied by solid-state NMR spectroscopy. Microporous and Mesoporous Materials, 2008, 115, 576-584.	4.4	17
56	A new nickel complex-templated layered aluminophosphate [Ni(C4N3H13)(C4N3H14)H2O][Al3P4O16]. Solid State Sciences, 2006, 8, 1079-1084.	3.2	13
57	Assembly of Helical Hydrogen Bonds in a New Layered Aluminophosphate [C6N3H17][Al2(HPO4)(PO4)2]. Inorganic Chemistry, 2005, 44, 4604-4607.	4.0	20