

Xiaowei Song

List of Publications by Year in descending order

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57
papers

1,595
citations

331670

21
h-index

302126

39
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all docs

68
docs citations

68
times ranked

1951
citing authors

#	ARTICLE	IF	CITATIONS
1	Dye adsorption of mesoporous activated carbons produced from NaOH-pretreated rice husks. <i>Bioresource Technology</i> , 2013, 136, 437-443.	9.6	191
2	Dye removal of activated carbons prepared from NaOH-pretreated rice husks by low-temperature solution-processed carbonization and H ₃ PO ₄ activation. <i>Bioresource Technology</i> , 2013, 144, 401-409.	9.6	144
3	A luminescent cadmium metal-organic framework for sensing of nitroaromatic explosives. <i>Dalton Transactions</i> , 2015, 44, 230-236.	3.3	137
4	Heteroatom-Stabilized Chiral Framework of Aluminophosphate Molecular Sieves. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 314-317.	13.8	87
5	Post-cationic Modification of a Pyrimidine-Based Conjugated Microporous Polymer for Enhancing the Removal Performance of Anionic Dyes in Water. <i>Chemistry - A European Journal</i> , 2018, 24, 7480-7488.	3.3	71
6	Multifunctional conjugated microporous polymers with pyridine unit for efficient iodine sequestration, exceptional tetracycline sensing and removal. <i>Journal of Hazardous Materials</i> , 2020, 387, 121949.	12.4	66
7	A dual responsive targeted drug delivery system based on smart polymer coated mesoporous silica for laryngeal carcinoma treatment. <i>New Journal of Chemistry</i> , 2014, 38, 4830-4836.	2.8	58
8	Enhancing Gas Sorption and Separation Performance via Bisbenzimidazole Functionalization of Highly Porous Covalent Triazine Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26678-26686.	8.0	52
9	Ultrahigh volatile iodine capture by conjugated microporous polymer based on $\langle N \rangle$, $\langle N \rangle$, $\langle N \rangle$ - $\langle N \rangle$ -tetraphenyl-1,4-phenylenediamine. <i>Polymer Chemistry</i> , 2019, 10, 2608-2615.	3.9	45
10	Conjugated microporous polymers based on biphenylene for CO ₂ adsorption and luminescence detection of nitroaromatic compounds. <i>New Journal of Chemistry</i> , 2018, 42, 9482-9487.	2.8	44
11	Low-energy adsorptive separation by zeolites. <i>National Science Review</i> , 2022, 9, .	9.5	41
12	A Gallogermanate Zeolite with Eleven-Membered Ring Channels. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5501-5503.	13.8	40
13	Dual-Functional Photocatalysis for Cooperative Hydrogen Evolution and Benzylamine Oxidation Coupling over Sandwiched-Like Pd@TiO ₂ @ZnIn ₂ S ₄ Nanobox. <i>Small</i> , 2022, 18, e2105114.	10.0	40
14	Molecular Expansion for Constructing Porous Organic Polymers with High Surface Areas and Well-Defined Nanopores. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19487-19493.	13.8	38
15	$[(C_4NH_{12})_4] [M_4Al_{12}P_{16}O_{64}]$ (M = Co, Zn): New Heteroatom-Containing Aluminophosphate Molecular Sieves with Two Intersecting 8-Ring Channels. <i>Inorganic Chemistry</i> , 2012, 51, 1969-1974.	4.0	30
16	Enhancing CO ₂ Adsorption and Separation Properties of Aluminophosphate Zeolites by Isomorphous Heteroatom Substitutions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43570-43577.	8.0	30
17	Silsesquioxane-Carbazole-Corballed Hybrid Porous Polymers with Flexible Nanopores for Efficient CO ₂ Conversion and Luminescence Sensing. <i>ACS Applied Polymer Materials</i> , 2020, 2, 189-197.	4.4	28
18	Fabrication and Catalytic Performance of Highly Stable Multifunctional Core-Shell Zeolite Composites. <i>Inorganic Chemistry</i> , 2013, 52, 10708-10710.	4.0	26

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19	Two zinc metal-organic framework isomers based on pyrazine tetracarboxylic acid and dipyridinylbenzene for adsorption and separation of CO ₂ and light hydrocarbons. Dalton Transactions, 2020, 49, 1135-1142.	3.3	25
20	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
21	Preparation of superhydrophobic materials for oil/water separation and oil absorption using PMHS-TEOS-derived xerogel and polystyrene. Journal of Sol-Gel Science and Technology, 2014, 72, 385-393.	2.4	23
22	Assembly of Helical Hydrogen Bonds in a New Layered Aluminophosphate [C ₆ N ₃ H ₁₇][Al ₂ (HPO ₄)(PO ₄) ₂]. Inorganic Chemistry, 2005, 44, 4604-4607.	4.0	20
23	Syntheses and Characterizations of Transition-Metal-Substituted Aluminophosphate Molecular Sieves [C ₃ N ₂ H ₅] ₈ [M ₈ Al ₁₆ P ₂₄ O ₉₆] (M = Co, Mn, Zn) with Zeotype LAU Topology. Inorganic Chemistry, 2009, 48, 198-203.		
24	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
25	Designed synthesis of multifunctional Fe ₃ O ₄ @SiO ₂ -NH ₂ -Co(II) towards efficient oxidation of ethylbenzene. Materials Research Bulletin, 2014, 60, 665-673.	5.2	17
26	Increasing the surface area and CO ₂ uptake of conjugated microporous polymers via a post-knitting method. Materials Chemistry Frontiers, 2021, 5, 5319-5327.	5.9	17
27	Synthesis and Characterization of Tungstophosphoric Acid/Pentaethylenhexamine/ZrSBA-15 and Its Use in the Selective Oxidation of Benzyl Alcohol under Solvent-Free Conditions. European Journal of Inorganic Chemistry, 2014, 2014, 2337-2344.	2.0	16
28	An yttrium-organic framework based on a hexagonal prism second building unit for luminescent sensing of antibiotics and highly effective CO ₂ fixation. Inorganic Chemistry Frontiers, 2022, 9, 391-400.	6.0	16
29	A stable pillared metal-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
30	Preparation of benzodiimidazole-containing covalent triazine frameworks for enhanced selective CO ₂ capture and separation. Microporous and Mesoporous Materials, 2019, 276, 213-222.	4.4	15
31	Synthesis and characterization of two layered aluminophosphates [R-C ₈ H ₁₂ N ₈][H ₂ O] ₂ ·[Al ₈ P ₁₂ O ₄₈] and [S-C ₈ H ₁₂ N ₈][H ₂ O] ₂ ·[Al ₈ P ₁₂ O ₄₈] with a mirror symmetric feature and their proton conductivity. Dalton Transactions, 2017, 46, 9157-9162.	3.3	14
32	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
33	Achieving highly selective CO ₂ adsorption on SAPO-35 zeolites by template-modulating the framework silicon content. Chemical Science, 2022, 13, 5687-5692.	7.4	14
34	A new nickel complex-templated layered aluminophosphate [Ni(C ₄ N ₃ H ₁₃)(C ₄ N ₃ H ₁₄)H ₂ O][Al ₃ P ₄ O ₁₆]. Solid State Sciences, 2006, 8, 1079-1084.	3.2	13
35	Metal-assisted synthesis of salen-based porous organic polymer for highly efficient fixation of CO ₂ into cyclic carbonates. Inorganic Chemistry Frontiers, 2022, 9, 1208-1216.	6.0	13
36	Magnetic and Stable H ₃ PW ₁₂ O ₄₀ -Based Core@shell Nanomaterial towards the Esterification of Oleic Acid with Methanol. European Journal of Inorganic Chemistry, 2013, 2013, 5428-5435.	2.0	12

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37	Molecule-guided synthesis of conjugated microporous polymers with imidazole derivative units for efficient capture of volatile iodine. <i>Microporous and Mesoporous Materials</i> , 2022, 336, 111871.	4.4	11
38	Ionothermal synthesis and magnetic study of a new manganese phosphite with an unprecedented Mn/P ratio. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 924-927.	6.0	9
39	Synthesis and proton conductivity of a new two-dimensional layered aluminophosphate [C ₉ H ₁₄ N] ₈ [H ₂ O] ₄ ·[Al ₈ P ₁₂ O ₄₈ H ₄]. <i>Inorganic Chemistry Communication</i> , 2015, 56, 133-136.	3.9	8
40	Post-crosslinking of conjugated microporous polymers using vinyl polyhedral oligomeric silsesquioxane for enhancing surface areas and organic micropollutants removal performance from water. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 697-706.	9.4	8
41	Correlation between pore-expanding and dye adsorption of platelet C/SBA-15 prepared by carbonization and oxidation of P123-TMB/SBA-15 composites. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 70, 451-463.	2.4	7
42	Structural transformation of an imidazolium-templated two-dimensional aluminophosphate and its proton conduction under anhydrous conditions. <i>Materials Letters</i> , 2016, 184, 119-122.	2.6	7
43	Syntheses and characterizations of heteroatom-containing open-framework aluminophosphates. <i>Dalton Transactions</i> , 2011, 40, 9289.	3.3	6
44	Ionothermal synthesis of a new open-framework manganese(II) diphosphate. <i>Inorganic Chemistry Communication</i> , 2014, 44, 151-154.	3.9	6
45	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. <i>Chinese Journal of Chemical Engineering</i> , 2022, 42, 64-72.	3.5	6
46	Synthesis, characterization and template removal of an iron-containing aluminophosphate molecular sieve with LAU topology. <i>Microporous and Mesoporous Materials</i> , 2013, 165, 14-19.	4.4	5
47	Synthesis, structure and gas adsorption properties of a stable microporous Cu-based metal-organic framework assembled from a T-shaped pyridyl dicarboxylate ligand. <i>RSC Advances</i> , 2017, 7, 17697-17703.	3.6	5
48	Mesopore-free synthesis of nanosized hierarchical ITQ-21 zeolites. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1184-1188.	6.0	5
49	Low-temperature water-assisted crystallization approach to MOF@TiO ₂ core-shell nanostructures for efficient dye removal. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2725-2733.	6.0	5
50	Microwave-assisted synthesis of a thermally stable Zn-containing aluminophosphate with ERI-zeotype structure templated by diquaternary alkylammonium. <i>RSC Advances</i> , 2014, 4, 49846-49849.	3.6	4
51	Interrupted silicogermanate with 10-ring channels: synthesis and structure determination by combining rotation electron diffraction and powder X-ray diffraction. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1654-1659.	6.0	4
52	Synthesis and characterization of zinc borophosphates with ANA-zeotype framework by the microwave method. <i>Journal of Solid State Chemistry</i> , 2013, 202, 300-304.	2.9	3
53	Ionothermal synthesis of a new three-dimensional manganese phosphite with DFT-zeotype structure. <i>RSC Advances</i> , 2015, 5, 21019-21022.	3.6	3
54	Synthesis and characterization of a new open-framework mixed-valence aluminum-iron phosphate (C ₄ H ₁₂ N ₂) ₂ [Fe ₂ Al ₅ (PO ₄) ₈ (H ₂ O)]. <i>Inorganic Chemistry Communication</i> , 2014, 47, 99-101.	3.9	2

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55	Synergistic effect of Zr-incorporated framework and subsequent deposition of PEHA towards efficient and reusable HPW/PEHA/ZrSBA-15 composites. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 354-363.	2.4	2
56	Synthesis and crystal morphology control of AlPO ₄ -5 molecular sieves by microwave irradiation. <i>Solid State Sciences</i> , 2014, 29, 41-47.	3.2	2
57	Molecular Expansion for Constructing Porous Organic Polymers with High Surface Areas and Well-Defined Nanopores. <i>Angewandte Chemie</i> , 2020, 132, 19655-19661.	2.0	1