

Xinlong Yan

List of Publications by Year in descending order

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60
papers

2,487
citations

186265

28
h-index

197818

49
g-index

60
all docs

60
docs citations

60
times ranked

3246
citing authors

#	ARTICLE	IF	CITATIONS
1	Amine-Modified SBA-15: Effect of Pore Structure on the Performance for CO ₂ Capture. Industrial & Engineering Chemistry Research, 2011, 50, 3220-3226.	3.7	240
2	Amine-modified mesocellular silica foams for CO ₂ capture. Chemical Engineering Journal, 2011, 168, 918-924.	12.7	170
3	Porous carbons prepared by direct carbonization of MOFs for supercapacitors. Applied Surface Science, 2014, 308, 306-310.	6.1	151
4	Direct carbonization of Zn/Co zeolitic imidazolate frameworks for efficient adsorption of Rhodamine B. Chemical Engineering Journal, 2018, 347, 640-647.	12.7	128
5	Extremely enhanced CO ₂ uptake by HKUST-1 metal-organic framework via a simple chemical treatment. Microporous and Mesoporous Materials, 2014, 183, 69-73.	4.4	122
6	Sustainable and hierarchical porous Enteromorpha prolifera based carbon for CO ₂ capture. Journal of Hazardous Materials, 2012, 229-230, 183-191.	12.4	102
7	Hollow Cu-Co/N-doped carbon spheres derived from ZIFs as an efficient catalyst for peroxydisulfate activation. Chemical Engineering Journal, 2020, 397, 125533.	12.7	94
8	Ultra-high adsorption capacity of MgO/SiO ₂ composites with rough surfaces for Congo red removal from water. Journal of Colloid and Interface Science, 2018, 510, 111-117.	9.4	83
9	Trace pyrolyzed ZIF-67 loaded activated carbon pellets for enhanced adsorption and catalytic degradation of Rhodamine B in water. Chemical Engineering Journal, 2019, 375, 122003.	12.7	83
10	CO ₂ adsorption on Santa Barbara Amorphous-15 (SBA-15) and amine-modified Santa Barbara Amorphous-15 (SBA-15) with and without controlled microporosity. Journal of Colloid and Interface Science, 2013, 390, 217-224.	9.4	74
11	In-situ fabrication of ZIF-8 decorated layered double oxides for adsorption and photocatalytic degradation of methylene blue. Microporous and Mesoporous Materials, 2018, 271, 68-72.	4.4	74
12	One-step synthesis of nanostructured mesoporous ZIF-8/silica composites. Microporous and Mesoporous Materials, 2016, 219, 311-316.	4.4	71
13	Adsorption of Congo red from aqueous solution using ZnO-modified SiO ₂ nanospheres with rough surfaces. Journal of Molecular Liquids, 2018, 249, 772-778.	4.9	64
14	Microwave- and conventional-hydrothermal synthesis of CuS, SnS and ZnS: Optical properties. Ceramics International, 2013, 39, 4757-4763.	4.8	63
15	In-situ growth of ZIF-8 on layered double hydroxide: Effect of Zn/Al molar ratios on their structural, morphological and adsorption properties. Journal of Colloid and Interface Science, 2017, 505, 206-212.	9.4	63
16	Facile synthesis of mesoporous MOF/silica composites. RSC Advances, 2014, 4, 57501-57504.	3.6	50
17	Phosphorus-modified b-axis oriented hierarchical ZSM-5 zeolites for enhancing catalytic performance in a methanol to propylene reaction. Applied Catalysis A: General, 2020, 594, 117464.	4.3	49
18	Development of zeolitic imidazolate framework-67 functionalized Co-Al LDH for CO ₂ adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 552, 16-23.	4.7	48

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19	Efficient removal of organic pollutants by a Co/N/S-doped yolk-shell carbon catalyst via peroxydisulfate activation. <i>Journal of Hazardous Materials</i> , 2022, 421, 126726.	12.4	48
20	Enhanced adsorption of Rhodamine B by magnetic nitrogen-doped porous carbon prepared from bimetallic ZIFs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 575, 10-17.	4.7	45
21	Adsorptive removal of 1-naphthol from water with Zeolitic imidazolate framework-67. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 107, 50-54.	4.0	42
22	High-capacity adsorption of benzotriazole from aqueous solution by calcined Zn-Al layered double hydroxides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 540, 207-214.	4.7	42
23	Efficient CO ₂ capture on low-cost silica gel modified by polyethyleneimine. <i>Journal of Natural Gas Chemistry</i> , 2012, 21, 319-323.	1.8	40
24	Two-stage glucose-assisted crystallization of ZSM-5 to improve methanol to propylene (MTP). <i>Microporous and Mesoporous Materials</i> , 2018, 270, 57-66.	4.4	37
25	Hierarchical ZSM-5 zeolite designed by combining desilication and dealumination with related study of n-heptane cracking performance. <i>Journal of Porous Materials</i> , 2018, 25, 1743-1756.	2.6	35
26	A high surface area mesoporous γ -Al ₂ O ₃ with tailoring texture by glucose template for ethanol dehydration to ethylene. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 89-97.	4.4	34
27	Surface dealumination of micro-sized ZSM-5 for improving propylene selectivity and catalyst lifetime in methanol to propylene (MTP) reaction. <i>Catalysis Communications</i> , 2018, 109, 1-5.	3.3	32
28	Synthesis of silver decorated silica nanoparticles with rough surfaces as adsorbent and catalyst for methylene blue removal. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 754-763.	2.4	30
29	Yolk-shell ZIFs@SiO ₂ and its derived carbon composite as robust catalyst for peroxydisulfate activation. <i>Journal of Environmental Management</i> , 2020, 262, 110299.	7.8	29
30	High performance of H ₃ BO ₃ modified USY and equilibrium catalyst with tailored acid sites in catalytic cracking. <i>Microporous and Mesoporous Materials</i> , 2017, 243, 319-330.	4.4	27
31	Clover leaf-shaped Al ₂ O ₃ extrudate as a support for high-capacity and cost-effective CO ₂ sorbent. <i>Journal of Hazardous Materials</i> , 2011, 192, 1505-1508.	12.4	21
32	Direct synthesis of b-axis oriented H-form ZSM-5 zeolites with an enhanced performance in the methanol to propylene reaction. <i>Microporous and Mesoporous Materials</i> , 2020, 302, 110246.	4.4	21
33	Surfactant-assisted synthesis of ZIF-8 nanocrystals for phthalic acid adsorption. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 523-530.	2.4	20
34	Synthesis of thiol-functionalized mesoporous silica nanoparticles for adsorption of Hg ²⁺ from aqueous solution. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 617-622.	2.4	19
35	Microwave-hydrothermal/solvothermal synthesis of kesterite, an emerging photovoltaic material. <i>Ceramics International</i> , 2014, 40, 1985-1992.	4.8	18
36	CO ₂ Adsorption by Several Types of Pillared Montmorillonite Clays. <i>Applied Petrochemical Research</i> , 2018, 8, 173-177.	1.3	17

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37	Metal-azolate framework-6 for fast adsorption removal of phthalic acid from aqueous solution. <i>Journal of Molecular Liquids</i> , 2016, 223, 427-430.	4.9	15
38	Synthesis of mesoporous carbons with narrow pore size distribution from metal-organic framework MIL-100(Fe). <i>Microporous and Mesoporous Materials</i> , 2016, 234, 162-165.	4.4	15
39	Enhanced adsorption and catalytic peroxydisulfate activation by metal-free N-doped carbon hollow spheres for water depollution. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 184-192.	9.4	15
40	Influence of framework Al distribution in HZSM-5 channels on catalytic performance in the methanol to propylene reaction. <i>Applied Catalysis A: General</i> , 2022, 629, 118422.	4.3	15
41	In situ growth of ZIF-8 onto porous carbons as an efficient adsorbent for malachite green removal. <i>Journal of Porous Materials</i> , 2020, 27, 1109-1117.	2.6	13
42	Synthesis of pore-expanded mesoporous ZIF-8/silica composites in the presence of swelling agent. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 268-275.	2.4	10
43	Effects of boron and fluorine modified γ -Al ₂ O ₃ with tailored surface acidity on catalytic ethanol dehydration to ethylene. <i>Journal of Porous Materials</i> , 2018, 25, 1105-1114.	2.6	10
44	Selective oxidation of benzyl alcohol to benzaldehyde with air using ZIF-67 derived catalysts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127520.	4.7	10
45	A facile one step synthesis of alumina monolith with bimodal pore structure from emulsion template. <i>Materials Letters</i> , 2012, 68, 234-236.	2.6	9
46	Self-assembled growth of Pd@Ni sub-microcages as a highly active and durable electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5179-5184.	10.3	9
47	The effect of co-feeding ethanol on a methanol to propylene (MTP) reaction over a commercial MTP catalyst. <i>Applied Catalysis A: General</i> , 2020, 592, 117429.	4.3	9
48	Enhanced catalytic reduction of p-nitrophenol and azo dyes on copper hexacyanoferrate nanospheres decorated copper foams. <i>Journal of Environmental Management</i> , 2022, 314, 115075.	7.8	9
49	Solvothermal synthesis of CZTS nanoparticles in ethanol: Preparation and characterization. <i>Journal of the Korean Physical Society</i> , 2015, 66, 1511-1515.	0.7	8
50	Synthesis of ZSM-5 Zeolite Using Coal Fly Ash as an Additive for the Methanol to Propylene (MTP) Reaction. <i>Catalysts</i> , 2019, 9, 788.	3.5	8
51	Carbon coated CoO plates/3D nickel foam: An efficient and readily recyclable catalyst for peroxydisulfate activation. <i>Separation and Purification Technology</i> , 2022, 297, 121400.	7.9	8
52	Facile synthesis of nanostructured porous carbon/silica composite and its adsorption property. <i>Journal of Porous Materials</i> , 2016, 23, 833-836.	2.6	7
53	One-Step Fabrication of PtSn/Al ₂ O ₃ Catalysts with La Post-Modification for Propane Dehydrogenation. <i>Catalysts</i> , 2020, 10, 1042.	3.5	6
54	Comparative studies of three kinds of activated carbon reactivated by KOH. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, 598-603.	1.5	4

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55	Enhanced adsorption of phenol from aqueous solution by carbonized trace ZIF-8-decorated activated carbon pellets. Chinese Journal of Chemical Engineering, 2021, 33, 279-285.	3.5	4
56	A microstructured catalyst made of prussian blue analogues/copper foam for effective reduction of 4-nitrophenol. Journal of the Taiwan Institute of Chemical Engineers, 2021, 121, 197-204.	5.3	4
57	Enhanced adsorption of Pb(II) from aqueous solution by magnesium-incorporated hydroxyapatite with poor crystalline structure. , 0, 171, 183-195.		4
58	Direct synthesis of HZSM-5 zeolites with enhanced catalytic performance in the methanol-to-propylene reaction. Catalysis Today, 2022, 405-406, 299-308.	4.4	4
59	Influences of Reaction Temperature and Carrier Gas Flow Rate on n-Heptane Cracking over ZSM-5 Catalyst Without and With Activation of V_2O_5 / Al_2O_3 . Bulletin of the Korean Chemical Society, 2017, 38, 1129-1133.	1.9	3
60	Cracking of n-heptane with activation of vanadium oxide based catalyst: effect of support and modification by K or P. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 295-306.	1.7	2