Gaofeng Zeng

List of Publications by Year
in descending order

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71	3,949	147726 31	123376 61
papers	citations	h-index	g-index

74	74	74	5070
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid synthesis of zeolitic imidazolate framework-8 (ZIF-8) nanocrystals in an aqueous system. Chemical Communications, 2011, 47, 2071.	2.2	1,330
2	Synthesis of highly c-oriented ZIF-69 membranes by secondary growth and their gas permeation properties. Journal of Membrane Science, 2011, 379, 46-51.	4.1	204
3	Ultrahigh adsorption capacity of anionic dyes with sharp selectivity through the cationic charged hybrid nanofibrous membranes. Chemical Engineering Journal, 2017, 313, 957-966.	6.6	160
4	Selfâ€Assembly of Thioureaâ€Crosslinked Graphene Oxide Framework Membranes toward Separation of Small Molecules. Advanced Materials, 2018, 30, e1705775.	11.1	154
5	Preparation of poly(ether-block-amide)/attapulgite mixed matrix membranes for CO2/N2 separation. Journal of Membrane Science, 2016, 500, 66-75.	4.1	123
6	Strict molecular sieving over electrodeposited 2D-interspacing-narrowed graphene oxide membranes. Nature Communications, 2017, 8, 825.	5.8	110
7	Enhanced MTO performance over acid treated hierarchical SAPO-34. Chinese Journal of Catalysis, 2017, 38, 123-130.	6.9	69
8	Monolithic and self-roughened Janus fibrous membrane with superhydrophilic/omniphobic surface for robust antifouling and antiwetting membrane distillation. Journal of Membrane Science, 2020, 615, 118499.	4.1	68
9	Superhydrophobic-omniphobic membrane with anti-deformable pores for membrane distillation with excellent wetting resistance. Journal of Membrane Science, 2021, 620, 118768.	4.1	68
10	Coke suppression in MTO over hierarchical SAPO-34 zeolites. RSC Advances, 2016, 6, 28787-28791.	1.7	63
11	Sharp molecular-sieving of alcoholâ€“water mixtures over phenyldiboronic acid pillared graphene oxide framework (GOF) hybrid membrane. Chemical Communications, 2015, 51, 7345-7348.	2.2	62
12	Adsorption-intensified degradation of organic pollutants over bifunctional Î±-Fe@carbon nanofibres. Environmental Science: Nano, 2017, 4, 302-306.	2.2	61
13	Atomic Coâ€“N₄ and Co nanoparticles confined in COF@ZIF-67 derived coreâ€“shell carbon frameworks: bifunctional non-precious metal catalysts toward the ORR and HER. Journal of Materials Chemistry A, 2021, 10, 228-233.	5.2	61
14	Optimized rapid thermal processing for the template removal of SAPO-34 zeolite membranes. Journal of Membrane Science, 2018, 552, 13-21.	4.1	55
15	Efficient dehydration of the organic solvents through graphene oxide (GO)/ceramic composite membranes. RSC Advances, 2014, 4, 52012-52015.	1.7	54
16	Stable and efficient aromatic yield from methanol over alkali treated hierarchical Zn-containing HZSM-5 zeolites. Microporous and Mesoporous Materials, 2016, 231, 110-116.	2.2	52
17	Synthesis of high performance SAPO-34 zeolite membrane by a novel two-step hydrothermal synthesisÂ+Âdry gel conversion method. Microporous and Mesoporous Materials, 2016, 225, 261-271.	2.2	46
18	Ultrafast synthesis of thin SAPO-34 zeolite membrane by oil-bath heating. Microporous and Mesoporous Materials, 2017, 241, 392-399.	2.2	46

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19	Constructing Synergistic Znâ€N₄ and Feâ€N₄O Dualâ€Sites from the COF@MOF Derived Hollow Carbon for Oxygen Reduction Reaction. Small Structures, 2022, 3, .	6.9	46
20	Preparation and performance of thin-layered PdAu/ceramic composite membranes. International Journal of Hydrogen Energy, 2010, 35, 4201-4208.	3.8	45
21	High-temperature stability of Pd alloy membranes containing Cu and Au. Journal of Membrane Science, 2017, 544, 151-160.	4.1	45
22	Impact of support mass flow resistance on low-temperature H2 permeation characteristics of a Pd95Ag5/Al2O3 composite membrane. Journal of Membrane Science, 2009, 326, 681-687.	4.1	41
23	Layer-dependent supercapacitance of graphene films grown by chemical vapor deposition on nickel foam. Journal of Power Sources, 2013, 225, 251-256.	4.0	41
24	Interfacial Ions Sieving for Ultrafast and Complete Desalination through 2D Nanochannel Defined Graphene Composite Membranes. ACS Nano, 2021, 15, 9871-9881.	7.3	39
25	On alloying and low-temperature stability of thin, supported PdAg membranes. International Journal of Hydrogen Energy, 2012, 37, 6012-6019.	3.8	38
26	Mechanically durable biomimetic fibrous membrane with superhydrophobicity and superoleophilicity for aqueous oil separation. Chinese Chemical Letters, 2020, 31, 2619-2622.	4.8	36
27	Direct H2O2 synthesis over Pd membranes at elevated temperatures. Journal of Membrane Science, 2010, 348, 160-166.	4.1	35
28	Construction of Fe3O4@Î²-CD/g-C3N4 nanocomposite catalyst for degradation of PCBs in wastewater through photodegradation and heterogeneous Fenton oxidation. Chemical Engineering Journal, 2022, 429, 132445.	6.6	35
29	Fast capture of methyl-dyes over hierarchical amino-Co_{0.3}Ni_{0.7}Fe₂O₄@SiO₂ nanofibrous membranes. Journal of Materials Chemistry A, 2015, 3, 22000-22004.	5.2	34
30	Ni/Fe Clusters and Nanoparticles Confined by Covalent Organic Framework Derived Carbon as Highly Active Catalysts toward Oxygen Reduction Reaction and Oxygen Evolution Reaction. Advanced Sustainable Systems, 2020, 4, 2000115.	2.7	34
31	A Green Approach to Ethyl Acetate: Quantitative Conversion of Ethanol through Direct Dehydrogenation in a Pdâ€“Ag Membrane Reactor. Chemistry - A European Journal, 2012, 18, 15940-15943.	1.7	33
32	Ultralow Pt Catalyst for Formaldehyde Removal: The Determinant Role of Support. IScience, 2018, 9, 487-501.	1.9	33
33	Hierarchical confinement of PtZn alloy nanoparticles and single-dispersed Zn atoms on COF@MOF-derived carbon towards efficient oxygen reduction reaction. Journal of Materials Chemistry A, 2021, 9, 13625-13630.	5.2	33
34	Synthesis and characterization of all-silica DDR zeolite by microwave heating. Microporous and Mesoporous Materials, 2016, 219, 103-111.	2.2	32
35	Defective C3N4 frameworks coordinated diatomic copper catalyst: Towards mild oxidation of methane to C1 oxygenates. Applied Catalysis B: Environmental, 2021, 299, 120682.	10.8	32
36	Facile one-pot solvent-free synthesis of hierarchical ZSM-5 for methanol to gasoline conversion. RSC Advances, 2016, 6, 15816-15820.	1.7	30

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37	Bioinspired superwetting fibrous skin with hierarchical roughness for efficient oily water separation. Science of the Total Environment, 2020, 744, 140822.	3.9	30
38	Solventâ€Free Synthesis of câ€Axis Oriented ZSMâ€5 Crystals with Enhanced Methanol to Gasoline Catalytic Activity. ChemCatChem, 2016, 8, 3317-3322.	1.8	29
39	Defect sealing in Pd membranes via point plating. Journal of Membrane Science, 2009, 328, 6-10.	4.1	28
40	Tungsten-doped siliceous mesocellular foams-supported platinum catalyst for glycerol hydrogenolysis to 1,3-propanediol. Applied Catalysis B: Environmental, 2021, 297, 120428.	10.8	27
41	Rapid capture of Ponceau S via a hierarchical organicâ€“inorganic hybrid nanofibrous membrane. Journal of Materials Chemistry A, 2016, 4, 5423-5427.	5.2	24
42	Highly Efficient and Stable Vanadiaâ€“Titaniaâ€“Sulfate Catalysts for Methanol Oxidation to Methyl Formate: Synthesis and Mechanistic Study. Journal of Physical Chemistry C, 2016, 120, 6591-6600.	1.5	22
43	Fast synthesis of submicron all-silica CHA zeolite particles using a seeding method. RSC Advances, 2015, 5, 27087-27090.	1.7	21
44	Rapid synthesis and characterization of DD3R zeolite with (NH4)2SiF6 as silica source. Microporous and Mesoporous Materials, 2016, 225, 312-322.	2.2	19
45	Influence of Stabilizers on the Performance of Au/TiO₂ Catalysts for CO Oxidation. ACS Catalysis, 2021, 11, 11607-11615.	5.5	19
46	Compensation Effect in H2 Permeation Kinetics of PdAg Membranes. Journal of Physical Chemistry C, 2012, 116, 18101-18107.	1.5	18
47	Ultrafast microwave synthesis of all-silica DDR zeolite. Microporous and Mesoporous Materials, 2016, 228, 54-58.	2.2	18
48	Synthesis of all-silica DDR zeolite in an environment-friendly way. Microporous and Mesoporous Materials, 2017, 239, 34-39.	2.2	18
49	Preparation and characterization of <scp>S</scp>ilicaliteâ€1/<scp>PDMS</scp> surface sieving pervaporation membrane for separation of ethanol/water mixture. Journal of Applied Polymer Science, 2015, 132, .	1.3	17
50	A novel Cuâ€“Mn/Caâ€“Zr catalyst for the synthesis of methyl formate from syngas. RSC Advances, 2015, 5, 67630-67637.	1.7	17
51	Dual-Role Membrane as NH₃ Permselective Reactor and Azeotrope Separator in Urea Alcoholysis. ACS Central Science, 2019, 5, 1834-1843.	5.3	17
52	H2O2 synthesis over PdAu membranes. Catalysis Today, 2010, 156, 118-123.	2.2	16
53	Synthesis and characterization of a novel type of mixed matrix membrane: surface sieving membrane. RSC Advances, 2014, 4, 10140.	1.7	13
54	Fast synthesis of hierarchical CHA/AEI intergrowth zeolite with ammonium salts as mineralizing agent and its application for MTO process. Chemical Papers, 2019, 73, 221-237.	1.0	13

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55	Selective Oxidation of Methanol to Dimethoxymethane at Low Temperatures through Sizeâ€controlled VTiO_x Nanoparticles. ChemCatChem, 2017, 9, 1776-1781.	1.8	12
56	Threeâ€component mixed matrix organic/inorganic hybrid membranes for pervaporation separation of ethanolâ€“water mixture. Journal of Applied Polymer Science, 2017, 134, .	1.3	11
57	Quantitative Conversion of Methanol to Methyl Formate on Graphene-Confined Nano-Oxides. IScience, 2020, 23, 101157.	1.9	11
58	Hydrogen-induced high-temperature segregation in palladium silver membranes. Physical Chemistry Chemical Physics, 2014, 16, 25330-25336.	1.3	10
59	Excessive iodine addition leads to room-temperature superionic Cu2S with enhanced thermoelectric properties and improved thermal stability. Materials Today Physics, 2020, 15, 100271.	2.9	10
60	Ultrafast solid-phase synthesis of 2D pyrene-alkadiyne frameworks towards efficient capture of radioactive iodine. Chemical Engineering Journal, 2022, 441, 135996.	6.6	10
61	Complete Formaldehyde Removal over 3D Structured Na_{1.1}Mn₄O₈@Mn₅O₈ Biphasicâ€Crystals. ChemCatChem, 2020, 12, 3512-3522.	1.8	8
62	Co-Electrospun VTiO_x Hollow Nanofibers for Selective Oxidation of Methanol to High Value Chemicals. ACS Applied Nano Materials, 2019, 2, 5224-5232.	2.4	7
63	Precise Design of Covalent Organic Frameworks for Electrocatalytic Hydrogen Peroxide Production. Chemistry - an Asian Journal, 2021, 16, 498-502.	1.7	7
64	Low-temperature combustion of methane over graphene templated Co3O4 defective-nanoplates. Scientific Reports, 2021, 11, 12604.	1.6	7
65	Sintering Activated Atomic Palladium Catalysts with High-Temperature Tolerance of â‰¥1,000Â°C. Cell Reports Physical Science, 2021, 2, 100287.	2.8	7
66	A simple approach to uniform PdAg alloy membranes: Comparative study of conventional and silver concentration-controlled co-plating. International Journal of Hydrogen Energy, 2014, 39, 4427-4436.	3.8	6
67	Environmentally benign synthesis of amides and ureas via catalytic dehydrogenation coupling of volatile alcohols and amines in a Pd-Ag membrane reactor. Journal of Membrane Science, 2016, 515, 212-218.	4.1	6
68	Direct oxidation of CH4 to HCOOH over extra-framework stabilized Fe@MFI catalyst at low temperature. Fuel, 2021, 305, 121624.	3.4	5
69	High Proton-Conductive and Temperature-Tolerant PVC-P4VP Membranes towards Medium-Temperature Water Electrolysis. Membranes, 2022, 12, 363.	1.4	4
70	Solventâ€Free Synthesis of câ€Axis Oriented ZSMâ€5 Crystals with Enhanced Methanol to Gasoline Catalytic Activity. ChemCatChem, 2016, 8, 3305-3305.	1.8	2
71	Characterization and Performance of High-Flux PdAu/Ceramic Composite Membranes. Chinese Journal of Catalysis, 2010, 31, 711-715.	6.9	1