

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,305
citations

393982

19
h-index

610482

24
g-index

26
all docs

26
docs citations

26
times ranked

1740
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of Au-Pd bimetallic nanoparticles: Single-step bioreduction method with plant extract. <i>Materials Letters</i> , 2011, 65, 2989-2991.	1.3	184
2	Ion-Sieving Carbon Nanoshells for Deeply Rechargeable Zn-Based Aqueous Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802470.	10.2	139
3	Vapor Phase Infiltration of Metal Oxides into Nanoporous Polymers for Organic Solvent Separation Membranes. <i>Chemistry of Materials</i> , 2019, 31, 5509-5518.	3.2	109
4	A safe and fast-charging lithium-ion battery anode using MXene supported Li_3VO_4 . <i>Journal of Materials Chemistry A</i> , 2019, 7, 11250-11256.	5.2	106
5	Deeply Rechargeable and Hydrogen-Evolution-Suppressing Zinc Anode in Alkaline Aqueous Electrolyte. <i>Nano Letters</i> , 2020, 20, 4700-4707.	4.5	89
6	Creation of Well-Defined Sized Micropores in Carbon Molecular Sieve Membranes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13259-13265.	7.2	75
7	A deeply rechargeable zinc anode with pomegranate-inspired nanostructure for high-energy aqueous batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21933-21940.	5.2	61
8	Torlon® hollow fiber membranes for organic solvent reverse osmosis separation of complex aromatic hydrocarbon mixtures. <i>AIChE Journal</i> , 2019, 65, e16757.	1.8	60
9	Biosynthesized ruthenium nanoparticles supported on carbon nanotubes as efficient catalysts for hydrogenation of benzene to cyclohexane: An eco-friendly and economical bioreduction method. <i>Applied Catalysis A: General</i> , 2014, 484, 154-160.	2.2	53
10	Vapor-Phase Propylene Epoxidation with H_2/O_2 over Bioreduction Au/TS-1 Catalysts: Synthesis, Characterization, and Optimization. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9019-9026.	1.8	50
11	Dimethyl Terephthalate Hydrogenation to Dimethyl Cyclohexanedicarboxylates over Bimetallic Catalysts on Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4604-4613.	1.8	49
12	Evidence for entropic diffusion selection of xylene isomers in carbon molecular sieve membranes. <i>Journal of Membrane Science</i> , 2018, 564, 404-414.	4.1	45
13	Tuning the Structures of Metal-Organic Frameworks via a Mixed-Linker Strategy for Ethylene/Ethane Kinetic Separation. <i>Chemistry of Materials</i> , 2020, 32, 3715-3722.	3.2	44
14	Solution-Based 3D Printing of Polymers of Intrinsic Microporosity. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800274.	2.0	40
15	Creation of Well-Defined Sized Micropores in Carbon Molecular Sieve Membranes. <i>Angewandte Chemie</i> , 2019, 131, 13393-13399.	1.6	30
16	Supported nanometric platinum-nickel catalysts for solvent-free hydrogenation of tetralin. <i>Catalysis Communications</i> , 2015, 69, 55-58.	1.6	27
17	Selective liquid-phase hydrogenation of maleic anhydride to succinic anhydride on biosynthesized Ru-based catalysts. <i>Catalysis Communications</i> , 2014, 57, 40-44.	1.6	24
18	Polypropylene Carbonate-Based Adaptive Buffer Layer for Stable Interfaces of Solid Polymer Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27906-27912.	4.0	24

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19	Active ruthenium catalysts prepared by Cacumen Platycladi leaf extract for selective hydrogenation of maleic anhydride. <i>Applied Catalysis A: General</i> , 2015, 495, 124-130.	2.2	23
20	Streamlined Fabrication of Asymmetric Carbon Molecular Sieve Hollow Fiber Membranes. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1960-1964.	2.0	20
21	Biosynthesis of ruthenium nanoparticles supported on nitric acid modified activated carbon for liquid-phase hydrogenation of 2,2,4,4-tetramethylcyclobutane-1,3-dione. <i>Catalysis Communications</i> , 2015, 72, 20-23.	1.6	14
22	Zeolite-like performance for xylene isomer purification using polymer-derived carbon membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
23	A guide to solution-based additive manufacturing of polymeric structures: Ink design, porosity manipulation, and printing strategy. <i>Journal of Advanced Manufacturing and Processing</i> , 2020, 2, .	1.4	12
24	Flux Equations for Osmotically Moderated Sorption-Diffusion Transport in Rigid Microporous Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5412-5423.	1.8	12
25	Titelbild: Creation of Well-Defined Sized Micropores in Carbon Molecular Sieve Membranes (<i>Angew. Chem.</i> 38/2019). <i>Angewandte Chemie</i> , 2019, 131, 13297-13297.	1.6	1