List of Publications by Year in descending order

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	Zeolite-like performance for xylene isomer purification using polymer-derived carbon membranes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
2	A guide to solutionâ€based additive manufacturing of polymeric structures: Ink design, porosity manipulation, and printing strategy. Journal of Advanced Manufacturing and Processing, 2020, 2, .	1.4	12
3	Flux Equations for Osmotically Moderated Sorptionâ€“Diffusion Transport in Rigid Microporous Membranes. Industrial & Engineering Chemistry Research, 2020, 59, 5412-5423.	1.8	12
4	Deeply Rechargeable and Hydrogen-Evolution-Suppressing Zinc Anode in Alkaline Aqueous Electrolyte. Nano Letters, 2020, 20, 4700-4707.	4.5	89
5	Tuning the Structures of Metalâ€“Organic Frameworks via a Mixed-Linker Strategy for Ethylene/Ethane Kinetic Separation. Chemistry of Materials, 2020, 32, 3715-3722.	3.2	44
6	Vapor Phase Infiltration of Metal Oxides into Nanoporous Polymers for Organic Solvent Separation Membranes. Chemistry of Materials, 2019, 31, 5509-5518.	3.2	109
7	Streamlined Fabrication of Asymmetric Carbon Molecular Sieve Hollow Fiber Membranes. ACS Applied Polymer Materials, 2019, 1, 1960-1964.	2.0	20
8	Polypropylene Carbonate-Based Adaptive Buffer Layer for Stable Interfaces of Solid Polymer Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2019, 11, 27906-27912.	4.0	24
9	Titelbild: Creation of Wellâ€Defined â€œMidâ€Sizedâ€•Micropores in Carbon Molecular Sieve Membranes (Angew. Chem. 38/2019). Angewandte Chemie, 2019, 131, 13297-13297.	1.6	1
10	TorlonÂ® hollow fiber membranes for organic solvent reverse osmosis separation of complex aromatic hydrocarbon mixtures. AICHE Journal, 2019, 65, e16757.	1.8	60
11	Creation of Wellâ€Defined â€œMidâ€Sizedâ€•Micropores in Carbon Molecular Sieve Membranes. Angewandte Chemie - International Edition, 2019, 58, 13259-13265.	7.2	75
12	Creation of Wellâ€Defined â€œMidâ€Sizedâ€•Micropores in Carbon Molecular Sieve Membranes. Angewandte Chemie, 2019, 131, 13393-13399.	1.6	30
13	A safe and fast-charging lithium-ion battery anode using MXene supported Li₃VO₄. Journal of Materials Chemistry A, 2019, 7, 11250-11256.	5.2	106
14	A deeply rechargeable zinc anode with pomegranate-inspired nanostructure for high-energy aqueous batteries. Journal of Materials Chemistry A, 2018, 6, 21933-21940.	5.2	61
15	Ionâ€Sieving Carbon Nanoshells for Deeply Rechargeable Znâ€Based Aqueous Batteries. Advanced Energy Materials, 2018, 8, 1802470.	10.2	139
16	Solutionâ€Based 3D Printing of Polymers of Intrinsic Microporosity. Macromolecular Rapid Communications, 2018, 39, e1800274.	2.0	40
17	Evidence for entropic diffusion selection of xylene isomers in carbon molecular sieve membranes. Journal of Membrane Science, 2018, 564, 404-414.	4.1	45
18	Active ruthenium catalysts prepared by Cacumen Platycladi leaf extract for selective hydrogenation of maleic anhydride. Applied Catalysis A: General, 2015, 495, 124-130.	2.2	23

#	Article	IF	Citations
19	Supported nanometric platinumâ€“nickel catalysts for solvent-free hydrogenation of tetralin. Catalysis Communications, 2015, 69, 55-58.	1.6	27
20	Biosynthesis of ruthenium nanoparticles supported on nitric acid modified activated carbon for liquid-phase hydrogenation of 2,2,4,4-tetramethylcyclobutane-1,3-dione. Catalysis Communications, 2015, 72, 20-23.	1.6	14
21	Dimethyl Terephthalate Hydrogenation to Dimethyl Cyclohexanedicarboxylates over Bimetallic Catalysts on Carbon Nanotubes. Industrial & Engineering Chemistry Research, 2014, 53, 4604-4613.	1.8	49
22	Biosynthesized ruthenium nanoparticles supported on carbon nanotubes as efficient catalysts for hydrogenation of benzene to cyclohexane: An eco-friendly and economical bioreduction method. Applied Catalysis A: General, 2014, 484, 154-160.	2.2	53
23	Selective liquid-phase hydrogenation of maleic anhydride to succinic anhydride on biosynthesized Ru-based catalysts. Catalysis Communications, 2014, 57, 40-44.	1.6	24
24	Vapor-Phase Propylene Epoxidation with H₂/O₂ over Bioreduction Au/TS-1 Catalysts: Synthesis, Characterization, and Optimization. Industrial & Engineering Chemistry Research, 2011, 50, 9019-9026.	1.8	50
25	Green synthesis of Auâ€“Pd bimetallic nanoparticles: Single-step bioreduction method with plant extract. Materials Letters, 2011, 65, 2989-2991.	1.3	184