Ezzatollah Shamsaei

List of Publications by Year
in descending order

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45 papers	2,992 citations	279701 23 h-index	223716 46 g-index
46 all docs	46 docs citations	46 times ranked	3432 citing authors

#	Article	IF	Citations
1	A new empirical diffusion model for solvents in sprayed seals based on evaporation measurements. International Journal of Pavement Engineering, 2022, 23, 3592-3602.	2.2	1
2	Graphene Oxide-Based Mesoporous Calcium Silicate Hydrate Sandwich-like Structure: Synthesis and Application for Thermal Energy Storage. ACS Applied Energy Materials, 2022, 5, 958-969.	2.5	10
3	The interaction of graphene oxide with cement mortar: implications on reinforcing mechanisms. Journal of Materials Science, 2022, 57, 3405-3415.	1.7	7
4	ZIF-8 derived ZnOâ€“calcium silicate mesoporous structures: Synthesis and photocatalytic activity. Microporous and Mesoporous Materials, 2022, 332, 111702.	2.2	4
5	Proposed mechanism for the enhanced microstructure of graphene oxideâ€“Portland cement composites. Journal of Building Engineering, 2022, 54, 104604.	1.6	5
6	Antifoaming effect of graphene oxide nanosheets in polymer-modified cement composites for enhanced microstructure and mechanical performance. Cement and Concrete Research, 2022, 158, 106843.	4.6	22
7	The effects of graphene oxide-silica nanohybrids on the workability, hydration, and mechanical properties of Portland cement paste. Construction and Building Materials, 2021, 266, 121016.	3.2	52
8	Challenges against CO2 abatement strategies in cement industry: A review. Journal of Environmental Sciences, 2021, 104, 84-101.	3.2	186
9	Zeolitic imidazolate framework nanoleaves (ZIF-L) enhancement of strength and durability of portland cement composites. Construction and Building Materials, 2021, 272, 122015.	3.2	16
10	Pathways to Commercialisation for Brown Coal Fly Ash-Based Geopolymer Concrete in Australia. Sustainability, 2021, 13, 4350.	1.6	8
11	Controlled growth and ordering of poorly-crystalline calcium-silicate-hydrate nanosheets. Communications Materials, 2021, 2, .	2.9	19
12	Investigation of ultrasonication energy effect on workability, mechanical properties and pore structure of halloysite nanotube reinforced cement mortars. Construction and Building Materials, 2021, 304, 124610.	3.2	9
13	Synthesis of ZIF/CNT nanonecklaces and their derived cobalt nanoparticles/N-doped carbon catalysts for oxygen reduction reaction. Journal of Alloys and Compounds, 2020, 816, 152684.	2.8	24
14	Dispersion of graphene oxideâ€“silica nanohybrids in alkaline environment for improving ordinary Portland cement composites. Cement and Concrete Composites, 2020, 106, 103488.	4.6	71
15	Graphene-based modification on the interface in fibre reinforced cementitious composites for improving both strength and toughness. Carbon, 2020, 170, 493-502.	5.4	35
16	Graphene oxide-coated Poly(vinyl alcohol) fibers for enhanced fiber-reinforced cementitious composites. Composites Part B: Engineering, 2019, 174, 107010.	5.9	45
17	Novel modifications in a conventional clinker making process for sustainable cement production. Journal of Cleaner Production, 2019, 221, 389-397.	4.6	20
18	Solvent Transport Behavior of Shear Aligned Graphene Oxide Membranes and Implications in Organic Solvent Nanofiltration. ACS Applied Materials & Interfaces, 2018, 10, 2067-2074.	4.0	62

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19	The enhanced hydrogen separation performance of mixed matrix membranes by incorporation of two-dimensional ZIF-L into polyimide containing hydroxyl group. Journal of Membrane Science, 2018, 549, 260-266.	4.1	82
20	A low-pressure GO nanofiltration membrane crosslinked via ethylenediamine. Journal of Membrane Science, 2018, 548, 363-371.	4.1	88
21	Graphene-based nanosheets for stronger and more durable concrete: A review. Construction and Building Materials, 2018, 183, 642-660.	3.2	252
22	Simple fabrication of zeolitic imidazolate framework ZIF-8/polymer composite beads by phase inversion method for efficient oil sorption. Journal of Colloid and Interface Science, 2017, 493, 150-161.	5.0	62
23	A hierarchically structured PtCo nanoflakesâ€“nanotube as an electrocatalyst for methanol oxidation. Inorganic Chemistry Frontiers, 2017, 4, 845-849.	3.0	6
24	ZIF-8 derived nitrogen-doped porous carbon/carbon nanotube composite for high-performance supercapacitor. Carbon, 2017, 121, 330-336.	5.4	181
25	Preparation of porous diffusion dialysis membranes by functionalization of polysulfone for acid recovery. Journal of Membrane Science, 2017, 524, 557-564.	4.1	59
26	Highly fouling-resistant brominated poly(phenylene oxide) membranes using surface grafted diethylenetriamine. RSC Advances, 2017, 7, 37324-37330.	1.7	5
27	Asymmetrically porous anion exchange membranes with an ultrathin selective layer for rapid acid recovery. Journal of Membrane Science, 2016, 510, 437-446.	4.1	27
28	ZIF-derived nitrogen-doped carbon/3D graphene frameworks for all-solid-state supercapacitors. RSC Advances, 2016, 6, 76575-76581.	1.7	15
29	Effect of carbonization temperature on adsorption property of ZIF-8 derived nanoporous carbon for water treatment. Microporous and Mesoporous Materials, 2016, 236, 28-37.	2.2	122
30	Highly stable enzymatic membrane for fast treatment of antibiotic-polluted water. Journal of Membrane Science, 2016, 518, 1-9.	4.1	16
31	A one-dimensional material as a nano-scaffold and a pseudo-seed for facilitated growth of ultrathin, mechanically reinforced molecular sieving membranes. Chemical Communications, 2016, 52, 13764-13767.	2.2	38
32	Aqueous Phase Synthesis of ZIF-8 Membrane with Controllable Location on an Asymmetrically Porous Polymer Substrate. ACS Applied Materials & Interfaces, 2016, 8, 6236-6244.	4.0	95
33	Porous diffusion dialysis membranes for rapid acid recovery. Journal of Membrane Science, 2016, 502, 76-83.	4.1	52
34	Rapid synthesis of ultrathin, defect-free ZIF-8 membranes via chemical vapour modification of a polymeric support. Chemical Communications, 2015, 51, 11474-11477.	2.2	103
35	Fabrication of asymmetrical diffusion dialysis membranes for rapid acid recovery with high purity. Journal of Materials Chemistry A, 2015, 3, 24000-24007.	5.2	49
36	Inorganic particle enhanced polymer hollow fiber membranes with high mechanical properties. Materials Chemistry and Physics, 2015, 167, 209-218.	2.0	18

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37	<scp>SPEEK</scp>/<scp>cSMM</scp> membrane for simultaneous electricity generation and wastewater treatment in microbial fuel cell. Journal of Chemical Technology and Biotechnology, 2015, 90, 641-647.	1.6	24
38	Preparation and Characterization of Thin-Film Composite Membrane with Nanowire-Modified Support for Forward Osmosis Process. Membranes, 2015, 5, 136-149.	1.4	33
39	Polysulfone and Its Quaternary Phosphonium Derivative Composite Membranes with High Water Flux. Industrial & Engineering Chemistry Research, 2015, 54, 3333-3340.	1.8	11
40	Effect of HNTs modification in nanocomposite membrane enhancement for bacterial removal by cross-flow ultrafiltration system. Reactive and Functional Polymers, 2015, 95, 80-87.	2.0	40
41	Parametric investigations on proton conducting membrane by radiation induced grafting of 4-vinylpyridine onto poly(vinylidene fluoride) and phosphoric acid doping. Radiochimica Acta, 2014, 102, 351-362.	0.5	14
42	Modeling, prediction, and multifactorial optimization of radiationâ€induced grafting of 4â€vinylpyridine onto poly(vinylidene fluoride) films using statistical simulator. Journal of Applied Polymer Science, 2013, 127, 1659-1666.	1.3	7
43	Preparation and characterization of phosphoric acid composite membrane by radiation induced grafting of 4â€vinylpyridine onto poly(ethyleneâ€coâ€tetrafluoroethylene) followed by phosphoric acid doping. Journal of Applied Polymer Science, 2013, 128, 549-557.	1.3	23
44	Global strategies and potentials to curb CO2 emissions in cement industry. Journal of Cleaner Production, 2013, 51, 142-161.	4.6	960
45	Optimization strategies for radiation induced grafting of 4-vinylpyridine onto poly(ethylene-co-tetraflouroethene) film using Boxâ€“Behnken design. Radiation Physics and Chemistry, 2012, 81, 437-444.	1.4	12