

# Ezzatollah Shamsaei

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Global strategies and potentials to curb CO <sub>2</sub> emissions in cement industry. <i>Journal of Cleaner Production</i> , 2013, 51, 142-161.	4.6	960
2	Graphene-based nanosheets for stronger and more durable concrete: A review. <i>Construction and Building Materials</i> , 2018, 183, 642-660.	3.2	252
3	Challenges against CO <sub>2</sub> abatement strategies in cement industry: A review. <i>Journal of Environmental Sciences</i> , 2021, 104, 84-101.	3.2	186
4	ZIF-8 derived nitrogen-doped porous carbon/carbon nanotube composite for high-performance supercapacitor. <i>Carbon</i> , 2017, 121, 330-336.	5.4	181
5	Effect of carbonization temperature on adsorption property of ZIF-8 derived nanoporous carbon for water treatment. <i>Microporous and Mesoporous Materials</i> , 2016, 236, 28-37.	2.2	122
6	Rapid synthesis of ultrathin, defect-free ZIF-8 membranes via chemical vapour modification of a polymeric support. <i>Chemical Communications</i> , 2015, 51, 11474-11477.	2.2	103
7	Aqueous Phase Synthesis of ZIF-8 Membrane with Controllable Location on an Asymmetrically Porous Polymer Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6236-6244.	4.0	95
8	A low-pressure GO nanofiltration membrane crosslinked via ethylenediamine. <i>Journal of Membrane Science</i> , 2018, 548, 363-371.	4.1	88
9	The enhanced hydrogen separation performance of mixed matrix membranes by incorporation of two-dimensional ZIF-L into polyimide containing hydroxyl group. <i>Journal of Membrane Science</i> , 2018, 549, 260-266.	4.1	82
10	Dispersion of graphene oxide-silica nanohybrids in alkaline environment for improving ordinary Portland cement composites. <i>Cement and Concrete Composites</i> , 2020, 106, 103488.	4.6	71
11	Simple fabrication of zeolitic imidazolate framework ZIF-8/polymer composite beads by phase inversion method for efficient oil sorption. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 150-161.	5.0	62
12	Solvent Transport Behavior of Shear Aligned Graphene Oxide Membranes and Implications in Organic Solvent Nanofiltration. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 2067-2074.	4.0	62
13	Preparation of porous diffusion dialysis membranes by functionalization of polysulfone for acid recovery. <i>Journal of Membrane Science</i> , 2017, 524, 557-564.	4.1	59
14	Porous diffusion dialysis membranes for rapid acid recovery. <i>Journal of Membrane Science</i> , 2016, 502, 76-83.	4.1	52
15	The effects of graphene oxide-silica nanohybrids on the workability, hydration, and mechanical properties of Portland cement paste. <i>Construction and Building Materials</i> , 2021, 266, 121016.	3.2	52
16	Fabrication of asymmetrical diffusion dialysis membranes for rapid acid recovery with high purity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24000-24007.	5.2	49
17	Graphene oxide-coated Poly(vinyl alcohol) fibers for enhanced fiber-reinforced cementitious composites. <i>Composites Part B: Engineering</i> , 2019, 174, 107010.	5.9	45
18	Effect of HNTs modification in nanocomposite membrane enhancement for bacterial removal by cross-flow ultrafiltration system. <i>Reactive and Functional Polymers</i> , 2015, 95, 80-87.	2.0	40

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19	A one-dimensional material as a nano-scaffold and a pseudo-seed for facilitated growth of ultrathin, mechanically reinforced molecular sieving membranes. <i>Chemical Communications</i> , 2016, 52, 13764-13767.	2.2	38
20	Graphene-based modification on the interface in fibre reinforced cementitious composites for improving both strength and toughness. <i>Carbon</i> , 2020, 170, 493-502.	5.4	35
21	Preparation and Characterization of Thin-Film Composite Membrane with Nanowire-Modified Support for Forward Osmosis Process. <i>Membranes</i> , 2015, 5, 136-149.	1.4	33
22	Asymmetrically porous anion exchange membranes with an ultrathin selective layer for rapid acid recovery. <i>Journal of Membrane Science</i> , 2016, 510, 437-446.	4.1	27
23	<scp>SPEEK</scp>/<scp>cSMM</scp> membrane for simultaneous electricity generation and wastewater treatment in microbial fuel cell. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 641-647.	1.6	24
24	Synthesis of ZIF/CNT nanonecklaces and their derived cobalt nanoparticles/N-doped carbon catalysts for oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152684.	2.8	24
25	Preparation and characterization of phosphoric acid composite membrane by radiation induced grafting of 4-vinylpyridine onto poly(ethylene-co-tetrafluoroethylene) followed by phosphoric acid doping. <i>Journal of Applied Polymer Science</i> , 2013, 128, 549-557.	1.3	23
26	Antifoaming effect of graphene oxide nanosheets in polymer-modified cement composites for enhanced microstructure and mechanical performance. <i>Cement and Concrete Research</i> , 2022, 158, 106843.	4.6	22
27	Novel modifications in a conventional clinker making process for sustainable cement production. <i>Journal of Cleaner Production</i> , 2019, 221, 389-397.	4.6	20
28	Controlled growth and ordering of poorly-crystalline calcium-silicate-hydrate nanosheets. <i>Communications Materials</i> , 2021, 2, .	2.9	19
29	Inorganic particle enhanced polymer hollow fiber membranes with high mechanical properties. <i>Materials Chemistry and Physics</i> , 2015, 167, 209-218.	2.0	18
30	Highly stable enzymatic membrane for fast treatment of antibiotic-polluted water. <i>Journal of Membrane Science</i> , 2016, 518, 1-9.	4.1	16
31	Zeolitic imidazolate framework nanoleaves (ZIF-L) enhancement of strength and durability of portland cement composites. <i>Construction and Building Materials</i> , 2021, 272, 122015.	3.2	16
32	ZIF-derived nitrogen-doped carbon/3D graphene frameworks for all-solid-state supercapacitors. <i>RSC Advances</i> , 2016, 6, 76575-76581.	1.7	15
33	Parametric investigations on proton conducting membrane by radiation induced grafting of 4-vinylpyridine onto poly(vinylidene fluoride) and phosphoric acid doping. <i>Radiochimica Acta</i> , 2014, 102, 351-362.	0.5	14
34	Optimization strategies for radiation induced grafting of 4-vinylpyridine onto poly(ethylene-co-tetrafluoroethylene) film using Box-Behnken design. <i>Radiation Physics and Chemistry</i> , 2012, 81, 437-444.	1.4	12
35	Polysulfone and Its Quaternary Phosphonium Derivative Composite Membranes with High Water Flux. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 3333-3340.	1.8	11
36	Graphene Oxide-Based Mesoporous Calcium Silicate Hydrate Sandwich-like Structure: Synthesis and Application for Thermal Energy Storage. <i>ACS Applied Energy Materials</i> , 2022, 5, 958-969.	2.5	10

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37	Investigation of ultrasonication energy effect on workability, mechanical properties and pore structure of halloysite nanotube reinforced cement mortars. <i>Construction and Building Materials</i> , 2021, 304, 124610.	3.2	9
38	Pathways to Commercialisation for Brown Coal Fly Ash-Based Geopolymer Concrete in Australia. <i>Sustainability</i> , 2021, 13, 4350.	1.6	8
39	Modeling, prediction, and multifactorial optimization of radiation-induced grafting of 4-vinylpyridine onto poly(vinylidene fluoride) films using statistical simulator. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1659-1666.	1.3	7
40	The interaction of graphene oxide with cement mortar: implications on reinforcing mechanisms. <i>Journal of Materials Science</i> , 2022, 57, 3405-3415.	1.7	7
41	A hierarchically structured PtCo nanoflakes@nanotube as an electrocatalyst for methanol oxidation. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 845-849.	3.0	6
42	Highly fouling-resistant brominated poly(phenylene oxide) membranes using surface grafted diethylenetriamine. <i>RSC Advances</i> , 2017, 7, 37324-37330.	1.7	5
43	Proposed mechanism for the enhanced microstructure of graphene oxide@Portland cement composites. <i>Journal of Building Engineering</i> , 2022, 54, 104604.	1.6	5
44	ZIF-8 derived ZnO@calcium silicate mesoporous structures: Synthesis and photocatalytic activity. <i>Microporous and Mesoporous Materials</i> , 2022, 332, 111702.	2.2	4
45	A new empirical diffusion model for solvents in sprayed seals based on evaporation measurements. <i>International Journal of Pavement Engineering</i> , 2022, 23, 3592-3602.	2.2	1