Mostafa Dadashi Firouzjaei

List of Publications by Year
in descending order

23	1,646	516710 16	642732 23
papers	citations	h-index	g-index

24	24	24	1511
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanocomposite membranes for water separation and purification: Fabrication, modification, and applications. Separation and Purification Technology, 2019, 213, 465-499.	7.9	346
2	Exploiting Synergetic Effects of Graphene Oxide and a Silver-Based Metalâ€“Organic Framework To Enhance Antifouling and Anti-Biofouling Properties of Thin-Film Nanocomposite Membranes. ACS Applied Materials & Interfaces, 2018, 10, 42967-42978.	8.0	161
3	Recent advances in functionalized polymer membranes for biofouling control and mitigation in forward osmosis. Journal of Membrane Science, 2020, 596, 117604.	8.2	138
4	A Novel Nanocomposite with Superior Antibacterial Activity: A Silverâ€Based Metal Organic Framework Embellished with Graphene Oxide. Advanced Materials Interfaces, 2018, 5, 1701365.	3.7	107
5	Experimental and molecular dynamics study on dye removal from water by a graphene oxide-copper-metal organic framework nanocomposite. Journal of Water Process Engineering, 2020, 34, 101180.	5.6	95
6	The impact of MOF feasibility to improve the desalination performance and antifouling properties of FO membranes. RSC Advances, 2016, 6, 70174-70185.	3.6	92
7	Simultaneous Improvement of Antimicrobial, Antifouling, and Transport Properties of Forward Osmosis Membranes with Immobilized Highly-Compatible Polyrhodanine Nanoparticles. Environmental Science & Technology, 2018, 52, 5246-5258.	10.0	90
8	In Situ Ag-MOF Growth on Pre-Grafted Zwitterions Imparts Outstanding Antifouling Properties to Forward Osmosis Membranes. ACS Applied Materials & Interfaces, 2020, 12, 36287-36300.	8.0	90
9	Toward Sustainable Tackling of Biofouling Implications and Improved Performance of TFC FO Membranes Modified by Ag-MOF Nanorods. ACS Applied Materials & Interfaces, 2020, 12, 38285-38298.	8.0	80
10	Improved antifouling and antibacterial properties of forward osmosis membranes through surface modification with zwitterions and silver-based metal organic frameworks. Journal of Membrane Science, 2020, 611, 118352.	8.2	80
11	Facile Cu-BTC surface modification of thin chitosan film coated polyethersulfone membranes with improved antifouling properties for sustainable removal of manganese. Journal of Membrane Science, 2019, 588, 117200.	8.2	69
12	Tailoring the Biocidal Activity of Novel Silver-Based Metal Azolate Frameworks. ACS Sustainable Chemistry and Engineering, 2020, 8, 7588-7599.	6.7	48
13	A novel gold nanocomposite membrane with enhanced permeation, rejection and self-cleaning ability. Journal of Membrane Science, 2019, 573, 309-319.	8.2	47
14	Effective strategy for UV-mediated grafting of biocidal Ag-MOFs on polymeric membranes aimed at enhanced water ultrafiltration. Chemical Engineering Journal, 2021, 426, 130704.	12.7	37
15	Nanodiamond-decorated thin film composite membranes with antifouling and antibacterial properties. Desalination, 2022, 522, 115436.	8.2	31
16	Chemistry, abundance, detection and treatment of per- and polyfluoroalkyl substances in water: a review. Environmental Chemistry Letters, 2022, 20, 661-679.	16.2	21
17	The Role of Membrane-Based Technologies in Environmental Treatment and Reuse of Produced Water. Frontiers in Environmental Science, 2021, 9, .	3.3	17
18	Preparation and modification of low-fouling ultrafiltration membranes for cheese whey treatment by membrane bioreactor. Case Studies in Chemical and Environmental Engineering, 2021, 4, 100137.	6.1	16

#	Article	IF	Citations
19	The implications of 3<scp>D</scp>â€printed membranes for water and wastewater treatment and resource recovery. Canadian Journal of Chemical Engineering, 2022, 100, 2309-2321.	1.7	11
20	Functionalized polyamide membranes yield suppression of biofilm and planktonic bacteria while retaining flux and selectivity. Separation and Purification Technology, 2022, 282, 119981.	7.9	8
21	Loose nanofiltration membranes functionalized with in situ-synthesized metal organic framework for water treatment. Materials Today Chemistry, 2022, 24, 100909.	3.5	5
22	The anticancer properties of metal-organic frameworks and their heterogeneous nanocomposites. , 2022, 139, 213013.		5
23	An ultrasonic-assisted rapid approach for sustainable fabrication of antibacterial and anti-biofouling membranes via metal-organic frameworks. Materials Today Chemistry, 2022, 26, 101044.	3.5	4