

Mostafa Dadashi Firouzjaei

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,646
citations

586496

16
h-index

721071

23
g-index

24
all docs

24
docs citations

24
times ranked

1715
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalized polyamide membranes yield suppression of biofilm and planktonic bacteria while retaining flux and selectivity. <i>Separation and Purification Technology</i> , 2022, 282, 119981.	3.9	8
2	Nanodiamond-decorated thin film composite membranes with antifouling and antibacterial properties. <i>Desalination</i> , 2022, 522, 115436.	4.0	31
3	Chemistry, abundance, detection and treatment of per- and polyfluoroalkyl substances in water: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 661-679.	8.3	21
4	Loose nanofiltration membranes functionalized with in situ-synthesized metal organic framework for water treatment. <i>Materials Today Chemistry</i> , 2022, 24, 100909.	1.7	5
5	The implications of 3D-printed membranes for water and wastewater treatment and resource recovery. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 2309-2321.	0.9	11
6	The anticancer properties of metal-organic frameworks and their heterogeneous nanocomposites. , 2022, 139, 213013.		5
7	An ultrasonic-assisted rapid approach for sustainable fabrication of antibacterial and anti-biofouling membranes via metal-organic frameworks. <i>Materials Today Chemistry</i> , 2022, 26, 101044.	1.7	4
8	The Role of Membrane-Based Technologies in Environmental Treatment and Reuse of Produced Water. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	17
9	Preparation and modification of low-fouling ultrafiltration membranes for cheese whey treatment by membrane bioreactor. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100137.	2.9	16
10	Effective strategy for UV-mediated grafting of biocidal Ag-MOFs on polymeric membranes aimed at enhanced water ultrafiltration. <i>Chemical Engineering Journal</i> , 2021, 426, 130704.	6.6	37
11	Recent advances in functionalized polymer membranes for biofouling control and mitigation in forward osmosis. <i>Journal of Membrane Science</i> , 2020, 596, 117604.	4.1	138
12	In Situ Ag-MOF Growth on Pre-Grafted Zwitterions Imparts Outstanding Antifouling Properties to Forward Osmosis Membranes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36287-36300.	4.0	90
13	Toward Sustainable Tackling of Biofouling Implications and Improved Performance of TFC FO Membranes Modified by Ag-MOF Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38285-38298.	4.0	80
14	Improved antifouling and antibacterial properties of forward osmosis membranes through surface modification with zwitterions and silver-based metal organic frameworks. <i>Journal of Membrane Science</i> , 2020, 611, 118352.	4.1	80
15	Experimental and molecular dynamics study on dye removal from water by a graphene oxide-copper-metal organic framework nanocomposite. <i>Journal of Water Process Engineering</i> , 2020, 34, 101180.	2.6	95
16	Tailoring the Biocidal Activity of Novel Silver-Based Metal Azolate Frameworks. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7588-7599.	3.2	48
17	Facile Cu-BTC surface modification of thin chitosan film coated polyethersulfone membranes with improved antifouling properties for sustainable removal of manganese. <i>Journal of Membrane Science</i> , 2019, 588, 117200.	4.1	69
18	Nanocomposite membranes for water separation and purification: Fabrication, modification, and applications. <i>Separation and Purification Technology</i> , 2019, 213, 465-499.	3.9	346

#	ARTICLE	IF	CITATIONS
19	A novel gold nanocomposite membrane with enhanced permeation, rejection and self-cleaning ability. <i>Journal of Membrane Science</i> , 2019, 573, 309-319.	4.1	47
20	A Novel Nanocomposite with Superior Antibacterial Activity: A Silver-Based Metal Organic Framework Embellished with Graphene Oxide. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701365.	1.9	107
21	Simultaneous Improvement of Antimicrobial, Antifouling, and Transport Properties of Forward Osmosis Membranes with Immobilized Highly-Compatible Polyrhodanine Nanoparticles. <i>Environmental Science & Technology</i> , 2018, 52, 5246-5258.	4.6	90
22	Exploiting Synergetic Effects of Graphene Oxide and a Silver-Based Metal-Organic Framework To Enhance Antifouling and Anti-Biofouling Properties of Thin-Film Nanocomposite Membranes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42967-42978.	4.0	161
23	The impact of MOF feasibility to improve the desalination performance and antifouling properties of FO membranes. <i>RSC Advances</i> , 2016, 6, 70174-70185.	1.7	92