

Daryoush Emadzadeh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6417697/publications.pdf>

Version: 2024-02-01

38
papers

3,062
citations

257357

24
h-index

330025

37
g-index

39
all docs

39
docs citations

39
times ranked

2466
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on polyamide thin film nanocomposite (TFN) membranes: History, applications, challenges and approaches. <i>Water Research</i> , 2015, 80, 306-324.	5.3	587
2	A novel thin film composite forward osmosis membrane prepared from PSf/TiO ₂ nanocomposite substrate for water desalination. <i>Chemical Engineering Journal</i> , 2014, 237, 70-80.	6.6	387
3	Synthesis and characterization of thin film nanocomposite forward osmosis membrane with hydrophilic nanocomposite support to reduce internal concentration polarization. <i>Journal of Membrane Science</i> , 2014, 449, 74-85.	4.1	235
4	A novel thin film nanocomposite reverse osmosis membrane with superior anti-organic fouling affinity for water desalination. <i>Desalination</i> , 2015, 368, 106-113.	4.0	153
5	Minimizing structural parameter of thin film composite forward osmosis membranes using polysulfone/halloysite nanotubes as membrane substrates. <i>Desalination</i> , 2016, 377, 152-162.	4.0	149
6	Synthesis and characterization of novel thin film nanocomposite (TFN) membranes embedded with halloysite nanotubes (HNTs) for water desalination. <i>Desalination</i> , 2015, 358, 33-41.	4.0	146
7	Synthesis, modification and optimization of titanate nanotubes-polyamide thin film nanocomposite (TFN) membrane for forward osmosis (FO) application. <i>Chemical Engineering Journal</i> , 2015, 281, 243-251.	6.6	145
8	Synthesis and characterization of novel Cellulose Nanocrystals-based Thin Film Nanocomposite membranes for reverse osmosis applications. <i>Desalination</i> , 2018, 439, 179-187.	4.0	113
9	Super hydrophilic TiO ₂ /HNT nanocomposites as a new approach for fabrication of high performance thin film nanocomposite membranes for FO application. <i>Desalination</i> , 2015, 371, 104-114.	4.0	107
10	Synthesis of thin film nanocomposite forward osmosis membrane with enhancement in water flux without sacrificing salt rejection. <i>Desalination</i> , 2013, 330, 90-99.	4.0	103
11	Synthesis and characterization of novel thin film nanocomposite reverse osmosis membranes with improved organic fouling properties for water desalination. <i>RSC Advances</i> , 2015, 5, 21268-21276.	1.7	95
12	Novel mixed matrix membranes incorporated with dual-nanofillers for enhanced oil-water separation. <i>Separation and Purification Technology</i> , 2017, 178, 113-121.	3.9	93
13	The potential of thin film nanocomposite membrane in reducing organic fouling in forward osmosis process. <i>Desalination</i> , 2014, 348, 82-88.	4.0	90
14	Antifouling properties of novel PSf and TNT composite membrane and study of effect of the flow direction on membrane washing. <i>Desalination</i> , 2015, 362, 141-150.	4.0	75
15	Improvement of stability and performance of functionalized halloysite nano tubes-based thin film nanocomposite membranes. <i>Journal of Membrane Science</i> , 2018, 563, 470-480.	4.1	57
16	Effect of SMM concentration on morphology and performance of surface modified PVDF hollow fiber membrane contactor for CO ₂ absorption. <i>Separation and Purification Technology</i> , 2013, 116, 67-72.	3.9	51
17	Preparation and characterization of a novel highly hydrophilic and antifouling polysulfone/nanoporous TiO ₂ nanocomposite membrane. <i>Nanotechnology</i> , 2016, 27, 415706.	1.3	51
18	Power generation and wastewater treatment using a novel SPEEK nanocomposite membrane in a dual chamber microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 477-487.	3.8	44

#	ARTICLE	IF	CITATIONS
19	Surface modification of thin film composite membrane by nanoporous titanate nanoparticles for improving combined organic and inorganic antifouling properties. <i>Materials Science and Engineering C</i> , 2017, 75, 463-470.	3.8	44
20	Study on CO ₂ stripping from water through novel surface modified PVDF hollow fiber membrane contactor. <i>Chemical Engineering Journal</i> , 2014, 246, 306-310.	6.6	42
21	A high-flux P84 polyimide mixed matrix membranes incorporated with cadmium-based metal organic frameworks for enhanced simultaneous dyes removal: Response surface methodology. <i>Environmental Research</i> , 2020, 183, 109278.	3.7	39
22	Synthesis of nanocomposite membrane incorporated with amino-functionalized nanocrystalline cellulose for refinery wastewater treatment. <i>Carbohydrate Polymers</i> , 2019, 225, 115212.	5.1	36
23	Carbon dioxide stripping from water through porous polysulfone hollow fiber membrane contactor. <i>Separation and Purification Technology</i> , 2013, 108, 119-123.	3.9	29
24	Urease-carrying electrospun polyacrylonitrile mat for urea hydrolysis. <i>Reactive and Functional Polymers</i> , 2015, 87, 37-45.	2.0	28
25	Solvothermal synthesis of nanoporous TiO ₂ : the impact on thin-film composite membranes for engineered osmosis application. <i>Nanotechnology</i> , 2016, 27, 345702.	1.3	25
26	<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
27	Performance of Nanofiltration Like Forward Osmosis Membranes for Aerobically Treated Palm Oil Mill Effluent. <i>Chemical Engineering and Technology</i> , 2018, 41, 303-312.	0.9	21
28	Hybrid forward osmosis/ultrafiltration membrane bag for water purification. <i>Desalination</i> , 2019, 468, 114071.	4.0	21
29	Modifying cellulose nanocrystal dispersibility to address the permeability/selectivity trade-off of thin-film nanocomposite reverse osmosis membranes. <i>Desalination</i> , 2022, 538, 115900.	4.0	17
30	Fabrication and evaluation of nanofiltration membrane coated with amino-functionalized graphene oxide for highly efficient heavy metal removal. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 4615-4626.	1.8	14
31	Application of copper sulfide nanoparticles loaded activated carbon for simultaneous adsorption of ternary dyes: Response surface methodology. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1108-1118.	1.2	8
32	A Thin Film Nanocomposite Reverse Osmosis Membrane Incorporated with β Zeolite Nanoparticles for Water Desalination. <i>ChemistrySelect</i> , 2020, 5, 1972-1975.	0.7	7
33	Synthesis of Novel Hybrid NF/FO Nanocomposite Membrane by Incorporating Black TiO ₂ Nanoparticles for Highly Efficient Heavy Metals Removal. <i>International Journal of Environmental Research</i> , 2021, 15, 475-485.	1.1	6
34	Long-term study of CO ₂ absorption by PVDF/ZSM-5 hollow fiber mixed matrix membrane in gas-liquid contacting process. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	5
35	Simulation of forward osmosis and pressure retarded osmosis membrane performance: Effect of TiO ₂ nanoparticles loading on the semi-permeable membrane. <i>Computers and Chemical Engineering</i> , 2022, 160, 107709.	2.0	5
36	Effect of air-gap length on carbon dioxide stripping performance of a surface modified polysulfone hollow fiber membrane contactor. <i>RSC Advances</i> , 2014, 4, 59519-59527.	1.7	4

#	ARTICLE	IF	CITATIONS
37	Incorporation of modified cellulose nanocrystals to polyamide nanofiltration membrane for efficient removal of Cr(III) and Pb(II) ions from aqueous solutions. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 1653-1666.	1.8	3
38	IMPACTS OF HYDROPHILIC NANOFILLERS ON SEPARATION PERFORMANCE OF THIN FILM NANOCOMPOSITE REVERSE OSMOSIS MEMBRANE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	0