

Arash Mollahosseini

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,636
citations

623734

14
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

2099
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactor technologies for biodiesel production and processing: A review. <i>Progress in Energy and Combustion Science</i> , 2019, 74, 239-303.	31.2	330
2	Novel functionalized carbon nanotubes for improving the surface properties and performance of polyethersulfone (PES) membrane. <i>Desalination</i> , 2012, 286, 99-107.	8.2	270
3	The effect of silver nanoparticle size on performance and antibacterality of polysulfone ultrafiltration membrane. <i>Desalination</i> , 2012, 306, 41-50.	8.2	207
4	Recent advances in functionalized polymer membranes for biofouling control and mitigation in forward osmosis. <i>Journal of Membrane Science</i> , 2020, 596, 117604.	8.2	138
5	Structural and performance properties of UV-assisted TiO ₂ deposited nano-composite PVDF/SPES membranes. <i>Desalination</i> , 2012, 285, 31-38.	8.2	112
6	Interfacially polymerized thin film nanofiltration membranes on TiO ₂ coated polysulfone substrate. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1261-1268.	5.8	110
7	Feasibility of membrane processes for the recovery and purification of bio-based volatile fatty acids: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 24-40.	5.8	92
8	A critical review of recent advances in hemodialysis membranes hemocompatibility and guidelines for future development. <i>Materials Chemistry and Physics</i> , 2020, 248, 122911.	4.0	79
9	A critical review on ultrasonic-assisted fouling control and cleaning of fouled membranes. <i>Ultrasonics</i> , 2020, 108, 106228.	3.9	70
10	Renewable energy management and market in Iran: A holistic review on current state and future demands. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 774-788.	16.4	60
11	Molecular dynamics simulation for membrane separation and porous materials: A current state of art review. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 107, 107947.	2.4	43
12	A new concept in polymeric thin-film composite nanofiltration membranes with antibacterial properties. <i>Biofouling</i> , 2013, 29, 537-548.	2.2	42
13	Latest advances in zwitterionic structures modified dialysis membranes. <i>Materials Today Chemistry</i> , 2020, 15, 100227.	3.5	34
14	A case study of poly (aryl ether sulfone) hemodialysis membrane interactions with human blood: Molecular dynamics simulation and experimental analyses. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 197, 105742.	4.7	27
15	Recent advances in thin film composites membranes for brackish groundwater treatment with critical focus on Saskatchewan water sources. <i>Journal of Environmental Sciences</i> , 2019, 81, 181-194.	6.1	15
16	Waste polymers recycling in biodiesel as a strategy to simultaneously enhance fuel properties and recycle the waste: realistic simulation and economical assessment approach. <i>Biofuels</i> , 2016, 7, 559-570.	2.4	7