

Xue Jin

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,338
citations

393982

19
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713013

21
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docs citations

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times ranked

3117
citing authors

#	ARTICLE	IF	CITATIONS
1	Osmotic power production from salinity gradient resource by pressure retarded osmosis: Effects of operating conditions and reverse solute diffusion. <i>Journal of Membrane Science</i> , 2012, 401-402, 262-273.	4.1	308
2	Dispersion and Stability Optimization of TiO ₂ Nanoparticles in Cell Culture Media. <i>Environmental Science & Technology</i> , 2010, 44, 7309-7314.	4.6	288
3	High-Throughput Screening of Silver Nanoparticle Stability and Bacterial Inactivation in Aquatic Media: Influence of Specific Ions. <i>Environmental Science & Technology</i> , 2010, 44, 7321-7328.	4.6	212
4	Stability, Bioavailability, and Bacterial Toxicity of ZnO and Iron-Doped ZnO Nanoparticles in Aquatic Media. <i>Environmental Science & Technology</i> , 2011, 45, 755-761.	4.6	206
5	Relating reverse and forward solute diffusion to membrane fouling in osmotically driven membrane processes. <i>Water Research</i> , 2012, 46, 2478-2486.	5.3	179
6	Role of Specific Ion Interactions in Seawater RO Membrane Fouling by Alginate Acid. <i>Environmental Science & Technology</i> , 2009, 43, 3580-3587.	4.6	163
7	Rejection of pharmaceuticals by forward osmosis membranes. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 55-61.	6.5	159
8	Removal of boron and arsenic by forward osmosis membrane: Influence of membrane orientation and organic fouling. <i>Journal of Membrane Science</i> , 2012, 389, 182-187.	4.1	152
9	Effects of feed water temperature on separation performance and organic fouling of brackish water RO membranes. <i>Desalination</i> , 2009, 239, 346-359.	4.0	148
10	Boric Acid Permeation in Forward Osmosis Membrane Processes: Modeling, Experiments, and Implications. <i>Environmental Science & Technology</i> , 2011, 45, 2323-2330.	4.6	131
11	Rejection of estrone by nanofiltration: Influence of solution chemistry. <i>Journal of Membrane Science</i> , 2007, 302, 188-196.	4.1	63
12	Influence of dissolved organic matter on estrone removal by NF membranes and the role of their structures. <i>Water Research</i> , 2007, 41, 3077-3088.	5.3	59
13	Microalgae (<i>Scenedesmus obliquus</i>) dewatering using forward osmosis membrane: Influence of draw solution chemistry. <i>Algal Research</i> , 2016, 15, 1-8.	2.4	50
14	Microalgal biomass dewatering using forward osmosis membrane: Influence of microalgae species and carbohydrates composition. <i>Algal Research</i> , 2017, 23, 12-19.	2.4	49
15	Removal of natural hormone estrone from secondary effluents using nanofiltration and reverse osmosis. <i>Water Research</i> , 2010, 44, 638-648.	5.3	47
16	Estrogenic compounds removal by fullerene-containing membranes. <i>Desalination</i> , 2007, 214, 83-90.	4.0	41
17	Bactericidal activity of silver nanoparticles in environmentally relevant freshwater matrices: Influences of organic matter and chelating agent. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 525-531.	3.3	30
18	Membrane Fouling and Performance of Flat Ceramic Membranes in the Application of Drinking Water Purification. <i>Water (Switzerland)</i> , 2019, 11, 2606.	1.2	21

#	ARTICLE	IF	CITATIONS
19	Relating fouling behavior and cake layer formation of alginic acid to the physiochemical properties of thin film composite and nanocomposite seawater RO membranes. <i>Desalination</i> , 2014, 338, 1-9.	4.0	19
20	Ultrafiltration of aerobic granular sludge bioreactor effluent: Fouling potentials and properties. <i>Journal of Water Process Engineering</i> , 2022, 47, 102805.	2.6	8
21	Role of water chemistry on estrone removal by nanofiltration with the presence of hydrophobic acids. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 164-170.	3.3	5
22	Membrane-Based Technologies for Water and Energy Sustainability. <i>Membranes</i> , 2021, 11, 807.	1.4	0