Jonathan A Brant

List of Publications by Year
in descending order

25 papers	1,843 citations	687363 13 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	2191 citing authors

#	Article	IF	Citations
1	Assessing short-range membraneâ€“colloid interactions using surface energetics. Journal of Membrane Science, 2002, 203, 257-273.	8.2	379
2	Aggregation and Deposition Characteristics of Fullerene Nanoparticles in Aqueous Systems. Journal of Nanoparticle Research, 2005, 7, 545-553.	1.9	316
3	Characterizing the Impact of Preparation Method on Fullerene Cluster Structure and Chemistry. Langmuir, 2006, 22, 3878-3885.	3.5	258
4	Comparison of Electrokinetic Properties of Colloidal Fullerenes (n-C60) Formed Using Two Proceduresâ€. Environmental Science & Technology, 2005, 39, 6343-6351.	10.0	229
5	Superhydrophobic dual layer functionalized titanium dioxide/polyvinylidene fluoride- co -hexafluoropropylene (TiO 2 /PH) nanofibrous membrane for high flux membrane distillation. Journal of Membrane Science, 2017, 537, 140-150.	8.2	119
6	Heteroaggregation of Titanium Dioxide Nanoparticles with Natural Clay Colloids. Environmental Science & Technology, 2015, 49, 6608-6616.	10.0	116
7	Membraneâ€“Colloid Interactions: Comparison of Extended DLVO Predictions with AFM Force Measurements. Environmental Engineering Science, 2002, 19, 413-427.	1.6	112
8	Bio-inspired superhydrophobic and superoleophilic nanofibrous membranes for non-aqueous solvent and oil separation from water. Separation and Purification Technology, 2019, 210, 587-599.	7.9	58
9	Feasibility assessment of pervaporation for desalinating high-salinity brines. Journal of Water Reuse and Desalination, 2014, 4, 109-124.	2.3	45
10	Characterizing NF and RO membrane surface heterogeneity using chemical force microscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 280, 45-57.	4.7	39
11	Nanoparticle stability in lake water shaped by natural organic matter properties and presence of particulate matter. Science of the Total Environment, 2019, 656, 338-346.	8.0	33
12	Salt rejection and water flux through a tubular pervaporative polymer membrane designed for irrigation applications. Environmental Technology (United Kingdom), 2013, 34, 1329-1339.	2.2	29
13	Propagation-of-uncertainty from contact angle and streaming potential measurements to XDLVO model assessments of membraneâ€“colloid interactions. Journal of Colloid and Interface Science, 2014, 428, 191-198.	9.4	20
14	Magnetic Field Effects on pH and Electrical Conductivity: Implications for Water and Wastewater Treatment. Environmental Engineering Science, 2020, 37, 717-727.	1.6	15
15	Synthesis of polyamide thin-film nanocomposite membranes using surface modified imogolite nanotubes. Journal of Membrane Science, 2018, 563, 664-675.	8.2	13
16	Mechanistic analysis of microfiltration membrane fouling by buckminsterfullerene (C60) nanoparticles. Journal of Membrane Science, 2012, 415-416, 546-557.	8.2	10
17	Dispersing surface-modified imogolite nanotubes in polar and non-polar solvents. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	10
18	Effects of aluminogermanate imogolite nanotube orientation on mass transport across polyamide nanocomposite membranes. Journal of Membrane Science, 2019, 585, 38-51.	8.2	10

#	Article	IF	Citations
19	Water transport mechanisms for salt-rejecting membranes driven by soil-water potentials. Journal of Membrane Science, 2018, 563, 107-114.	8.2	8
20	Interrelationships Between Flux, Membrane Properties, and Soil Water Transport in a Subsurface Pervaporation Irrigation System. Environmental Engineering Science, 2015, 32, 539-550.	1.6	7
21	A methodology for fabrication of thermomechanically activated switchable surface wettability. Journal of Applied Polymer Science, 2016, 133, .	2.6	5
22	Buckminsterfullerene (C60) nanoparticle fouling of microfiltration membranes operated in a cross-flow configuration. Separation and Purification Technology, 2012, 100, 30-43.	7.9	4
23	Influence of membrane characteristics on performance in soil-membrane-water subsurface desalination irrigation systems. Journal of Water Process Engineering, 2019, 32, 100984.	5.6	3
24	Enhancing the Dissolution of Nano-Silver Using a Multidirectional Magnetic Field in Water Systems. Environmental Engineering Science, 2021, 38, 936-943.	1.6	3
25	Aggregation and Fouling Impacts in Determining Organic and Clay Removal by Electropositive Filtration. Journal of Environmental Engineering, ASCE, 2017, 143, .	1.4	2