

Christopher Bellona

List of Publications by Year in descending order

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33
papers

4,059
citations

236925

25
h-index

395702

33
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35
all docs

35
docs citations

35
times ranked

3939
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors affecting the rejection of organic solutes during NF/RO treatment—a literature review. <i>Water Research</i> , 2004, 38, 2795-2809.	11.3	863
2	A review of polymeric membranes and processes for potable water reuse. <i>Progress in Polymer Science</i> , 2018, 81, 209-237.	24.7	483
3	Effect of membrane fouling on transport of organic contaminants in NF/RO membrane applications. <i>Journal of Membrane Science</i> , 2006, 279, 165-175.	8.2	389
4	The role of membrane surface charge and solute physico-chemical properties in the rejection of organic acids by NF membranes. <i>Journal of Membrane Science</i> , 2005, 249, 227-234.	8.2	305
5	Fouling of nanofiltration and reverse osmosis membranes during municipal wastewater reclamation: Membrane autopsy results from pilot-scale investigations. <i>Journal of Membrane Science</i> , 2010, 353, 111-121.	8.2	228
6	Nanofiltration and granular activated carbon treatment of perfluoroalkyl acids. <i>Journal of Hazardous Materials</i> , 2013, 260, 740-746.	12.4	199
7	Plasma-Based Water Treatment: Efficient Transformation of Perfluoroalkyl Substances in Prepared Solutions and Contaminated Groundwater. <i>Environmental Science & Technology</i> , 2017, 51, 1643-1648.	10.0	179
8	Rejection of Emerging Organic Micropollutants in Nanofiltration-Reverse Osmosis Membrane Applications. <i>Water Environment Research</i> , 2005, 77, 40-48.	2.7	168
9	Comprehensive Bench- and Pilot-Scale Investigation of Trace Organic Compounds Rejection by Forward Osmosis. <i>Environmental Science & Technology</i> , 2011, 45, 8483-8490.	10.0	168
10	Viability of a low-pressure nanofilter in treating recycled water for water reuse applications: A pilot-scale study. <i>Water Research</i> , 2007, 41, 3948-3958.	11.3	125
11	The effect of organic membrane fouling on the properties and rejection characteristics of nanofiltration membranes. <i>Separation and Purification Technology</i> , 2010, 74, 44-54.	7.9	97
12	Feasibility of extracting valuable minerals from desalination concentrate: a comprehensive literature review. <i>Journal of Cleaner Production</i> , 2015, 100, 4-16.	9.3	97
13	Removal of per- and polyfluoroalkyl substances using super-fine powder activated carbon and ceramic membrane filtration. <i>Journal of Hazardous Materials</i> , 2019, 366, 160-168.	12.4	83
14	Comparing nanofiltration and reverse osmosis for drinking water augmentation. <i>Journal - American Water Works Association</i> , 2008, 100, 102-116.	0.3	76
15	Rejection of wastewater-derived micropollutants in high-pressure membrane applications leading to indirect potable reuse. <i>Environmental Progress</i> , 2005, 24, 400-409.	0.7	73
16	Nanofiltration technology in water treatment and reuse: applications and costs. <i>Water Science and Technology</i> , 2015, 71, 309-319.	2.5	69
17	Removal of per- and polyfluoroalkyl substances (PFASs) from contaminated groundwater using granular activated carbon: a pilot-scale study with breakthrough modeling. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1844-1853.	2.4	52
18	The pros and cons of using nanofiltration in lieu of reverse osmosis for indirect potable reuse applications. <i>Separation and Purification Technology</i> , 2012, 85, 69-76.	7.9	50

#	ARTICLE	IF	CITATIONS
19	Effect of pre-ozonation on nanofiltration membrane fouling during water reuse applications. Separation and Purification Technology, 2018, 205, 203-211.	7.9	47
20	Simultaneous ozone and granular activated carbon for advanced treatment of micropollutants in municipal wastewater effluent. Chemosphere, 2019, 234, 845-854.	8.2	46
21	Destruction of perfluorooctanesulfonate (PFOS) in a batch supercritical water oxidation reactor. Chemosphere, 2021, 279, 130834.	8.2	39
22	Evaluation of Enhanced Ozone-Biologically Active Filtration Treatment for the Removal of 1,4-Dioxane and Disinfection Byproduct Precursors from Wastewater Effluent. Environmental Science & Technology, 2019, 53, 2720-2730.	10.0	36
23	Rejection of per- and polyfluoroalkyl substances (PFASs) in aqueous film-forming foam by high-pressure membranes. Water Research, 2021, 188, 116546.	11.3	33
24	Pilot-scale field demonstration of a hybrid nanofiltration and UV-sulfite treatment train for groundwater contaminated by per- and polyfluoroalkyl substances (PFASs). Water Research, 2021, 205, 117677.	11.3	33
25	Managing and treating per- and polyfluoroalkyl substances (PFAS) in membrane concentrates. AWWA Water Science, 2021, 3, 1-23.	2.1	28
26	Influence of groundwater conditions and co-contaminants on sorption of perfluoroalkyl compounds on granular activated carbon. Remediation, 2019, 29, 5-15.	2.4	22
27	Application of quantitative structure-property relationships (QSPRs) to predict the rejection of organic solutes by nanofiltration. Separation and Purification Technology, 2013, 118, 627-638.	7.9	19
28	Validation of supercritical water oxidation to destroy perfluoroalkyl acids. Remediation, 2022, 32, 75-90.	2.4	15
29	Changes in Adsorption Behavior of Perfluorooctanoic Acid and Perfluorohexanesulfonic Acid Through Chemically-Facilitated Surface Modification of Granular Activated Carbon. Environmental Engineering Science, 2019, 36, 453-465.	1.6	14
30	Inexpensive Organic Materials and Their Applications towards Heavy Metal Attenuation in Waters from Southern Peru. Water (Switzerland), 2020, 12, 2948.	2.7	10
31	Models to Predict Organic Contaminant Removal by RO and NF Membranes. IDA Journal of Desalination and Water Reuse, 2011, 3, 40-44.	0.4	3
32	Photocatalytic Advanced Oxidation Processes for Neutralizing Free Cyanide in Gold Processing Effluents in Arequipa, Southern Peru. Sustainability, 2021, 13, 9873.	3.2	3
33	Potable Reuse Trends and Challenges: A Conversation With the Editorial Board of the <i>AWWA Water Science</i> Topical Collection on Potable Reuse. Journal - American Water Works Association, 2021, 113, 6-15.	0.3	2