

# Christopher Bellona

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8792227/publications.pdf>

Version: 2024-02-01

33  
papers

4,059  
citations

236925

25  
h-index

395702

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3939  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of supercritical water oxidation to destroy perfluoroalkyl acids. <i>Remediation</i> , 2022, 32, 75-90.	2.4	15
2	Rejection of per- and polyfluoroalkyl substances (PFASs) in aqueous film-forming foam by high-pressure membranes. <i>Water Research</i> , 2021, 188, 116546.	11.3	33
3	Potable Reuse Trends and Challenges: A Conversation With the Editorial Board of the <i>AWWA Water Science</i> Topical Collection on Potable Reuse. <i>Journal - American Water Works Association</i> , 2021, 113, 6-15.	0.3	2
4	Pilot-scale field demonstration of a hybrid nanofiltration and UV-sulfite treatment train for groundwater contaminated by per- and polyfluoroalkyl substances (PFASs). <i>Water Research</i> , 2021, 205, 117677.	11.3	33
5	Photocatalytic Advanced Oxidation Processes for Neutralizing Free Cyanide in Gold Processing Effluents in Arequipa, Southern Peru. <i>Sustainability</i> , 2021, 13, 9873.	3.2	3
6	Managing and treating per- and polyfluoroalkyl substances (PFAS) in membrane concentrates. <i>AWWA Water Science</i> , 2021, 3, 1-23.	2.1	28
7	Destruction of perfluorooctanesulfonate (PFOS) in a batch supercritical water oxidation reactor. <i>Chemosphere</i> , 2021, 279, 130834.	8.2	39
8	Inexpensive Organic Materials and Their Applications towards Heavy Metal Attenuation in Waters from Southern Peru. <i>Water (Switzerland)</i> , 2020, 12, 2948.	2.7	10
9	Influence of groundwater conditions and contaminants on sorption of perfluoroalkyl compounds on granular activated carbon. <i>Remediation</i> , 2019, 29, 5-15.	2.4	22
10	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
11	Evaluation of Enhanced Ozone-Biologically Active Filtration Treatment for the Removal of 1,4-Dioxane and Disinfection Byproduct Precursors from Wastewater Effluent. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2720-2730.	10.0	36
12	Simultaneous ozone and granular activated carbon for advanced treatment of micropollutants in municipal wastewater effluent. <i>Chemosphere</i> , 2019, 234, 845-854.	8.2	46
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	Changes in Adsorption Behavior of Perfluorooctanoic Acid and Perfluorohexanesulfonic Acid Through Chemically-Facilitated Surface Modification of Granular Activated Carbon. <i>Environmental Engineering Science</i> , 2019, 36, 453-465.	1.6	14
15	Effect of pre-ozonation on nanofiltration membrane fouling during water reuse applications. <i>Separation and Purification Technology</i> , 2018, 205, 203-211.	7.9	47
16	A review of polymeric membranes and processes for potable water reuse. <i>Progress in Polymer Science</i> , 2018, 81, 209-237.	24.7	483
17	Plasma-Based Water Treatment: Efficient Transformation of Perfluoroalkyl Substances in Prepared Solutions and Contaminated Groundwater. <i>Environmental Science &amp; Technology</i> , 2017, 51, 1643-1648.	10.0	179
18	Nanofiltration technology in water treatment and reuse: applications and costs. <i>Water Science and Technology</i> , 2015, 71, 309-319.	2.5	69

#	ARTICLE	IF	CITATIONS
19	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
20	Application of quantitative structure–property relationships (QSPRs) to predict the rejection of organic solutes by nanofiltration. <i>Separation and Purification Technology</i> , 2013, 118, 627-638.	7.9	19
21	Nanofiltration and granular activated carbon treatment of perfluoroalkyl acids. <i>Journal of Hazardous Materials</i> , 2013, 260, 740-746.	12.4	199
22	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
23	Comprehensive Bench- and Pilot-Scale Investigation of Trace Organic Compounds Rejection by Forward Osmosis. <i>Environmental Science &amp; Technology</i> , 2011, 45, 8483-8490.	10.0	168
24	Models to Predict Organic Contaminant Removal by RO and NF Membranes. <i>IDA Journal of Desalination and Water Reuse</i> , 2011, 3, 40-44.	0.4	3
25	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
26	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
27	Comparing nanofiltration and reverse osmosis for drinking water augmentation. <i>Journal - American Water Works Association</i> , 2008, 100, 102-116.	0.3	76
28	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
29	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
30	Rejection of Emerging Organic Micropollutants in Nanofiltration-Reverse Osmosis Membrane Applications. <i>Water Environment Research</i> , 2005, 77, 40-48.	2.7	168
31	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
32	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
33	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