

benoit Teychene

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

429
citations

12
h-index

20
g-index

31
ext. papers

487
ext. citations

6.8
avg, IF

3.88
L-index

#	Paper	IF	Citations
30	Backwashable dynamic membrane made of anchored CNT on SiC microfiltration membranes applied to oil in water emulsion filtration. <i>Separation and Purification Technology</i> , 2022 , 278, 119566	8.3	0
29	Impact of C-CVD synthesis conditions on the hydraulic and electronic properties of SiC/CNTs nanocomposite microfiltration membranes. <i>Diamond and Related Materials</i> , 2021 , 120, 108611	3.5	0
28	Membrane processes for wastewater remediation 2020 , 175-211		
27	Filterability of exopolysaccharides solutions from the red microalga by tangential filtration on a polymeric membrane. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 1167-1184	2.6	4
26	Emerging investigator series: photocatalysis for MBR effluent post-treatment: assessing the effects of effluent organic matter characteristics. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 482-494	4.2	11
25	Electron beam irradiation of polyvinylidene fluoride/polyvinylpyrrolidone ultrafiltration membrane in presence of zwitterions molecules evaluation of filtration performances. <i>Radiation Physics and Chemistry</i> , 2019 , 159, 101-110	2.5	4
24	Efficient removal of As(III) by Cu nanoparticles intercalated in carbon nanotube membranes for drinking water treatment. <i>Chemical Engineering Journal</i> , 2019 , 355, 341-350	14.7	57
23	3D printed microchannel loaded with hematite nanoadsorbent for fluoride removal from water. <i>Materials Letters</i> , 2019 , 254, 190-193	3.3	7
22	Elimination of Fluoride, Arsenic, and Nitrate from Water Through Adsorption onto Nano-adsorbent: A Review. <i>Current Nanoscience</i> , 2019 , 15, 557-575	1.4	4
21	Investigation of Poly(ethersulfone)/Polyvinylpyrrolidone ultrafiltration membrane degradation by contact with sodium hypochlorite through FTIR mapping and two-dimensional correlation spectroscopy. <i>Polymer Degradation and Stability</i> , 2019 , 161, 131-138	4.7	10
20	Impact of operation conditions, foulant adsorption, and chemical cleaning on the nanomechanical properties of ultrafiltration hollow fiber membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 549, 34-42	5.1	5
19	Characteristics and fouling behaviors of Dissolved Organic Matter fractions in a full-scale submerged membrane bioreactor for municipal wastewater treatment. <i>Biochemical Engineering Journal</i> , 2018 , 132, 169-181	4.2	23
18	Predicting of ultrafiltration performances by advanced data analysis. <i>Water Research</i> , 2018 , 129, 365-374	2.5	11
17	Changes in Wastewater Sludge Characteristics Submitted to Thermal Drying, E-beam Irradiation or Anaerobic Digestion. <i>Waste and Biomass Valorization</i> , 2017 , 8, 1771-1780	3.2	4
16	Modeling of combined particles and natural organic matter fouling of ultrafiltration membrane. <i>Journal of Membrane Science</i> , 2016 , 505, 185-193	9.6	16
15	Determination of bisphenol A in water and the medical devices used in hemodialysis treatment. <i>International Journal of Pharmaceutics</i> , 2016 , 505, 115-21	6.5	19
14	Improved quantitative analysis of molecular constituents of wastewater sludge pellets using double-shot thermochemolysis-GCMS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 114, 265-272	6	7

13	Impact of pretreatment conditions and chemical ageing on ultrafiltration membrane performances. Diagnostic of a coagulation/adsorption/filtration process. <i>Journal of Membrane Science</i> , 2015 , 489, 284-291	8.6	32
12	Modification of tubular ceramic membranes with carbon nanotubes using catalytic chemical vapor deposition. <i>Water Science and Technology</i> , 2015 , 72, 1404-10	2.2	9
11	Advanced tools for fluid and fouling layer characterization applied to the description of membrane fouling phenomena for particle-organic matter mixtures. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 249-260	2.3	1
10	Ultrafiltration of biologically treated domestic wastewater: How membrane properties influence performance. <i>Separation and Purification Technology</i> , 2014 , 134, 178-186	8.3	13
9	Effect of hydrodynamic diameter on the sieving of waterborne carbon nanotubes by porous membranes. <i>Journal of Membrane Science</i> , 2014 , 470, 470-478	9.6	7
8	Impact of e-beam irradiation of municipal secondary effluent on MF and RO membranes performances. <i>Journal of Membrane Science</i> , 2014 , 471, 1-8	9.6	11
7	Aluminum-humic colloid formation during pre-coagulation for membrane water treatment: mechanisms and impacts. <i>Water Research</i> , 2014 , 61, 171-80	12.5	16
6	Carbon nanotube composite membranes for small DesignerWater treatment systems. <i>Water Science and Technology: Water Supply</i> , 2014 , 14, 917-923	1.4	2
5	Generating backwashable carbon nanotube mats on the inner surface of polymeric hollow fiber membranes. <i>Journal of Membrane Science</i> , 2013 , 446, 59-67	9.6	19
4	A comparative study of boron and arsenic (III) rejection from brackish water by reverse osmosis membranes. <i>Desalination</i> , 2013 , 310, 109-114	10.3	39
3	Engineering of an MBR supernatant fouling layer by fine particles addition: a possible way to control cake compressibility. <i>Water Research</i> , 2011 , 45, 2060-72	12.5	40
2	Development and use of a novel method for in line characterisation of fouling layers electrokinetic properties and for fouling monitoring. <i>Journal of Membrane Science</i> , 2011 , 370, 45-57	9.6	19
1	Toward a better identification of foulant species in MBR processes. <i>Desalination</i> , 2008 , 231, 27-34	10.3	37