

Christel Causserand

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,591
citations

186254

28
h-index

189881

50
g-index

56
all docs

56
docs citations

56
times ranked

2723
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-oxidation of organic pollutants by reactive electrochemical membranes. <i>Chemosphere</i> , 2018, 208, 159-175.	8.2	197
2	Removal of bisphenol A by a nanofiltration membrane in view of drinking water production. <i>Water Research</i> , 2006, 40, 3793-3799.	11.3	177
3	Photochemical degradation of diethyl phthalate with UV/H ₂ O ₂ . <i>Journal of Hazardous Materials</i> , 2007, 139, 132-139.	12.4	140
4	On the role of salts for the treatment of wastewaters containing pharmaceuticals by electrochemical oxidation using a boron doped diamond anode. <i>Electrochimica Acta</i> , 2017, 231, 309-318.	5.2	139
5	Experimental study of the effects of hypochlorite on polysulfone membrane properties. <i>Journal of Membrane Science</i> , 2006, 277, 137-147.	8.2	124
6	Permeability and chemical analysis of aromatic polyamide based membranes exposed to sodium hypochlorite. <i>Journal of Membrane Science</i> , 2011, 375, 220-230.	8.2	121
7	Mineralization of organic pollutants by anodic oxidation using reactive electrochemical membrane synthesized from carbothermal reduction of TiO ₂ . <i>Water Research</i> , 2018, 131, 310-319.	11.3	115
8	Characteristics of organic material in Huangpu River and treatability with the O ₃ -BAC process. <i>Separation and Purification Technology</i> , 2007, 57, 348-355.	7.9	98
9	Efficiency of plasma elaborated sub-stoichiometric titanium oxide (Ti ₄ O ₇) ceramic electrode for advanced electrochemical degradation of paracetamol in different electrolyte media. <i>Separation and Purification Technology</i> , 2019, 208, 142-152.	7.9	98
10	Role of the cell-wall structure in the retention of bacteria by microfiltration membranes. <i>Journal of Membrane Science</i> , 2009, 326, 178-185.	8.2	92
11	Study of arsenic removal by nanofiltration and its application in China. <i>Desalination</i> , 2007, 204, 374-379.	8.2	88
12	Study of streaming potentials of clean and fouled ultrafiltration membranes. <i>Journal of Membrane Science</i> , 1994, 88, 211-222.	8.2	86
13	Ageing of polysulfone membranes in contact with bleach solution: Role of radical oxidation and of some dissolved metal ions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 48-56.	3.6	76
14	An experimental and modelling study of the electrochemical oxidation of pharmaceuticals using a boron-doped diamond anode. <i>Chemical Engineering Journal</i> , 2018, 333, 486-494.	12.7	69
15	Multi-scale analysis of hypochlorite induced PES/PVP ultrafiltration membranes degradation. <i>Journal of Membrane Science</i> , 2013, 447, 287-296.	8.2	67
16	Dynamic cross-flow electro-Fenton process coupled to anodic oxidation for wastewater treatment: Application to the degradation of acetaminophen. <i>Separation and Purification Technology</i> , 2018, 203, 143-151.	7.9	59
17	Improvement of a method for the characterization of ultrafiltration membranes by measurements of tracers retention. <i>Journal of Membrane Science</i> , 2004, 238, 177-190.	8.2	58
18	Cyclophosphamide removal from water by nanofiltration and reverse osmosis membrane. <i>Water Research</i> , 2009, 43, 4115-4122.	11.3	57

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19	Bacteria transfer by deformation through microfiltration membrane. <i>Journal of Membrane Science</i> , 2017, 523, 446-455.	8.2	56
20	Filtration performance and pore size distribution of hypochlorite aged PES/PVP ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2015, 474, 175-186.	8.2	52
21	Protein fractionation using selective adsorption on clay surface before filtration. <i>Journal of Membrane Science</i> , 2001, 186, 165-181.	8.2	49
22	Dichloroaniline retention by nanofiltration membranes. <i>Water Research</i> , 2005, 39, 1594-1600.	11.3	45
23	Integration of sub-stoichiometric titanium oxide reactive electrochemical membrane as anode in the electro-Fenton process. <i>Chemical Engineering Journal</i> , 2020, 400, 125936.	12.7	40
24	Effects of Ionic Strength on Bacteriophage MS2 Behavior and Their Implications for the Assessment of Virus Retention by Ultrafiltration Membranes. <i>Applied and Environmental Microbiology</i> , 2011, 77, 229-236.	3.1	38
25	Formation of bacterial streamers during filtration in microfluidic systems. <i>Biofouling</i> , 2012, 28, 551-562.	2.2	38
26	Modification of clay cake permeability by adsorption of protein. <i>Journal of Membrane Science</i> , 1997, 137, 31-44.	8.2	35
27	Effects of sodium hypochlorite exposure mode on PES/PVP ultrafiltration membrane degradation. <i>Water Research</i> , 2015, 85, 316-326.	11.3	33
28	FTIR mapping as a simple and powerful approach to study membrane coating and fouling. <i>Journal of Membrane Science</i> , 2016, 520, 477-489.	8.2	29
29	Nanofiltration performances after membrane bioreactor for hospital wastewater treatment: Fouling mechanisms and the quantitative link between stable fluxes and the water matrix. <i>Water Research</i> , 2018, 146, 77-87.	11.3	29
30	Study of the effects of defects in ultrafiltration membranes on the water flux and the molecular weight cut-off. <i>Desalination</i> , 2002, 149, 485-491.	8.2	28
31	Bienzyme amperometric lactate-specific electrode. <i>Analytica Chimica Acta</i> , 1990, 231, 309-311.	5.4	24
32	Fouling control using critical, threshold and limiting fluxes concepts for cross-flow NF of a complex matrix: Membrane BioReactor effluent. <i>Journal of Membrane Science</i> , 2017, 524, 288-298.	8.2	22
33	Feasibility of a heterogeneous Fenton membrane reactor containing a Fe-ZSM5 catalyst for pharmaceuticals degradation: Membrane fouling control and long-term stability. <i>Separation and Purification Technology</i> , 2020, 231, 115920.	7.9	22
34	Electrochemical Abatement of Analgesic Antipyretic 4-aminophenazone using Conductive Boron-Doped Diamond and Sub-stoichiometric Titanium Oxide Anodes: Kinetics, Mineralization and Toxicity Assessment. <i>ChemElectroChem</i> , 2019, 6, 1808-1817.	3.4	21
35	Degradation of polysulfone membranes due to contact with bleaching solution. <i>Desalination</i> , 2006, 199, 70-72.	8.2	19
36	Pilot scale study of chlorination-induced transport property changes of a seawater reverse osmosis membrane. <i>Desalination</i> , 2013, 311, 24-30.	8.2	17

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37	Impact of tortuous flow on bacteria streamer development in microfluidic system during filtration. <i>Biomicrofluidics</i> , 2014, 8, 014105.	2.4	16
38	Feasibility of Micropollutants Treatment by Coupling Nanofiltration and Electrochemical Oxidation: Case of Hospital Wastewater. <i>International Journal of Chemical Reactor Engineering</i> , 2015, 13, 153-159.	1.1	14
39	Effects of membrane alterations on bacterial retention. <i>Journal of Membrane Science</i> , 2010, 348, 56-65.	8.2	13
40	Adsorption of MS2 bacteriophage on ultrafiltration membrane laboratory equipments. <i>Desalination</i> , 2010, 250, 762-766.	8.2	12
41	Characterization of ultrafiltration membranes by tracer's retention: Comparison of methods sensitivity and reproducibility. <i>Desalination</i> , 2010, 250, 767-772.	8.2	11
42	Characterization of Filtration Membranes. , 2010, , 311-335.		10
43	Membrane processes for water disinfection: investigation on bacterial transfer mechanisms. <i>Desalination</i> , 2006, 199, 81-83.	8.2	9
44	Mass transfer properties of chlorinated aromatic polyamide reverse osmosis membranes. <i>Separation and Purification Technology</i> , 2012, 101, 60-67.	7.9	9
45	Mechano-chemical ageing of PES/PVP ultrafiltration membranes used in drinking water production. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 541-551.	2.1	9
46	Insight into the transport mechanism of solute removed in dialysis by a membrane with double functionality. <i>Chemical Engineering Research and Design</i> , 2017, 126, 97-108.	5.6	6
47	Protocol for the assessment of viral retention capability of membranes. <i>Journal of Membrane Science</i> , 2011, 381, 41-49.	8.2	5
48	Hypochlorite Cleaning of Polyethersulfone/Polyvinylpyrrolidone Ultrafiltration Membranes: Impact on Performances. <i>Procedia Engineering</i> , 2012, 44, 472-475.	1.2	5
49	Transmission of bio-molecules through porous membranes triggered by an external electric field. <i>Journal of Controlled Release</i> , 1994, 29, 113-123.	9.9	4
50	Potable water production by membrane processes: membrane characterization using a series of bacterial strains. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 405-412.	2.1	2
51	Accelerated Ageing of Crosslinked Polyamide Membranes. <i>Procedia Engineering</i> , 2012, 44, 789.	1.2	2
52	Comprehensive study of supported PVDF membrane ageing in MBR: A direct comparison between changes at bench scale and full scale. <i>Separation and Purification Technology</i> , 2021, 279, 119695.	7.9	2
53	Practical insights into ultrasound-assisted heterogeneous Fenton membrane reactors for water treatment. <i>Journal of Water Process Engineering</i> , 2022, 45, 102523.	5.6	2
54	Understanding Aging Mechanisms in the Context of UV Irradiation of a Low Fouling and Self-Cleaning PVDF-PVP-TiO ₂ Hollow-Fiber Membrane. <i>Membranes</i> , 2022, 12, 538.	3.0	2

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55	Effects of ionic strength on bacteriophage MS2 behavior: implications on the assessment of virus retention by ultrafiltration membranes. , 2010, , .		0
56	Development of Bacteria Streamers During Filtration: Impact of Microchannels Pore Tortuosity on Streamers Formation. Procedia Engineering, 2012, 44, 655-657.	1.2	0