

Jean-Marc Choubert

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.

42
papers

960
citations

16
h-index

30
g-index

42
ext. papers

1,088
ext. citations

4.9
avg. IF

4.22
L-index

#	Paper	IF	Citations
42	Comparative Life Cycle Assessment of two advanced treatment steps for wastewater micropollutants: How to determine whole-system environmental benefits?. <i>Science of the Total Environment</i> , 2022 , 805, 150300	10.2	1
41	Ozonation of 47 organic micropollutants in secondary treated municipal effluents: Direct and indirect kinetic reaction rates and modelling. <i>Chemosphere</i> , 2021 , 262, 127969	8.4	24
40	Direct photodegradation of 36 organic micropollutants under simulated solar radiation: Comparison with free-water surface constructed wetland and influence of chemical structure. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124801	12.8	13
39	Modeling of micropollutant removal in full-scale membrane bioreactors: calibration and operations to limit the emissions. <i>Bioprocess and Biosystems Engineering</i> , 2019 , 42, 1879-1892	3.7	4
38	Influence of water depth and season on the photodegradation of micropollutants in a free-water surface constructed wetland receiving treated wastewater. <i>Chemosphere</i> , 2019 , 235, 260-270	8.4	23
37	Élimination de micropolluants des eaux résiduaires urbaines par ozonation : retour d'expérience de la station d'épuration de Sophia Antipolis. <i>Techniques - Sciences - Methodes</i> , 2018 , 71-83	0	4
36	Dynamic modeling of nitrogen removal for a three-stage integrated fixed-film activated sludge process treating municipal wastewater. <i>Bioprocess and Biosystems Engineering</i> , 2018 , 41, 237-247	3.7	6
35	Maximum growth and decay rates of autotrophic biomass to simulate nitrogen removal at 10°C with municipal activated sludge plants. <i>Water S A</i> , 2018 , 34, 71	1.3	5
34	Rethinking micropollutant removal assessment methods for wastewater treatment plants - how to get more robust data?. <i>Water Science and Technology</i> , 2017 , 75, 2964-2972	2.2	8
33	Removal efficiencies and kinetic rate constants of xenobiotics by ozonation in tertiary treatment. <i>Water Science and Technology</i> , 2017 , 75, 2737-2746	2.2	12
32	A one dimensional moving bed biofilm reactor model for nitrification of municipal wastewaters. <i>Bioprocess and Biosystems Engineering</i> , 2017 , 40, 1141-1149	3.7	3
31	Rôle de la photodégradation dans l'élimination des micropolluants organiques au sein d'une zone de rejet végétalisée de type bassin. <i>Techniques - Sciences - Methodes</i> , 2017 , 127-155	0	
30	A review of the photodegradability and transformation products of 13 pharmaceuticals and pesticides relevant to sewage polishing treatment. <i>Science of the Total Environment</i> , 2016 , 551-552, 712-247	10.2	35
29	Performances et limites d'un procédé fluidisé associant biofilm et liqueur mixte (IFAS) pour le traitement du carbone et de l'azote des eaux résiduaires urbaines. <i>Techniques - Sciences - Methodes</i> , 2016 , 16-38	0	2
28	Understanding the contribution of biofilm in an integrated fixed-film-activated sludge system (IFAS) designed for nitrogen removal. <i>Water Science and Technology</i> , 2015 , 71, 1500-6	2.2	8
27	Lab-scale experimental strategy for determining micropollutant partition coefficient and biodegradation constants in activated sludge. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 4383-95	5.1	14
26	Land characterisation for soil-based constructed wetlands: Adapting investigation methods to design objectives. <i>Water Practice and Technology</i> , 2015 , 10, 660-668	0.9	4

25	Devenir des micropolluants adsorbables à travers les procédés de traitement des boues. <i>Techniques - Sciences - Methodes</i> , 2015 , 84-102	0	6
24	Peut-on améliorer l'élimination des micropolluants des eaux usées en optimisant le procédé boues activées?. <i>Techniques - Sciences - Methodes</i> , 2015 , 32-50	0	3
23	Modeling nitrogen removal in a vertical flow constructed wetland treating directly domestic wastewater. <i>Ecological Engineering</i> , 2014 , 70, 379-386	3.9	23
22	Removal of xenobiotics from effluent discharge by adsorption on zeolite and expanded clay: an alternative to activated carbon?. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 5660-8	5.1	8
21	Xenobiotics removal by adsorption in the context of tertiary treatment: a mini review. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 5085-95	5.1	21
20	Modelling of micropollutant removal in biological wastewater treatments: a review. <i>Science of the Total Environment</i> , 2013 , 443, 733-48	10.2	154
19	Perspectives on modelling micropollutants in wastewater treatment plants. <i>Water Science and Technology</i> , 2013 , 68, 448-61	2.2	26
18	Rethinking wastewater characterisation methods for activated sludge systems - a position paper. <i>Water Science and Technology</i> , 2013 , 67, 2363-73	2.2	19
17	A calibration protocol of a one-dimensional moving bed bioreactor (MBBR) dynamic model for nitrogen removal. <i>Water Science and Technology</i> , 2012 , 65, 1172-8	2.2	6
16	Occurrence and fate of relevant substances in wastewater treatment plants regarding Water Framework Directive and future legislations. <i>Water Science and Technology</i> , 2012 , 65, 1179-89	2.2	51
15	Solid respirometry to characterize nitrification kinetics: a better insight for modelling nitrogen conversion in vertical flow constructed wetlands. <i>Water Research</i> , 2011 , 45, 4995-5004	12.5	9
14	The role of loading rate, backwashing, water and air velocities in an up-flow nitrifying tertiary filter. <i>Bioresource Technology</i> , 2011 , 102, 904-12	11	6
13	Limiting the emissions of micro-pollutants: what efficiency can we expect from wastewater treatment plants?. <i>Water Science and Technology</i> , 2011 , 63, 57-65	2.2	48
12	Influent concentrations and removal performances of metals through municipal wastewater treatment processes. <i>Water Science and Technology</i> , 2011 , 63, 1967-73	2.2	21
11	Biochemical acidogenic potential in domestic wastewaters: effect of sampling and storage to characterize daily average composite samples. <i>Water Science and Technology</i> , 2011 , 63, 1396-404	2.2	1
10	Concentrations and fate of sugars, proteins and lipids during domestic and agro-industrial aerobic treatment. <i>Water Science and Technology</i> , 2011 , 63, 1669-77	2.2	7
9	On-site evaluation of the removal of 100 micro-pollutants through advanced wastewater treatment processes for reuse applications. <i>Water Science and Technology</i> , 2011 , 63, 2486-97	2.2	50
8	Mesurer les micropolluants dans les eaux usées brutes et traitées. <i>Techniques - Sciences - Methodes</i> , 2011 , 25-43	0	15

7	Biodegradable organic matter in domestic wastewaters: comparison of selected fractionation techniques. <i>Water Science and Technology</i> , 2010 , 62, 630-9	2.2	13
6	A biofiltration model for tertiary nitrification of municipal wastewaters. <i>Water Research</i> , 2010 , 44, 4399-410	2.2	18
5	On-site evaluation of the efficiency of conventional and advanced secondary processes for the removal of 60 organic micropollutants. <i>Water Science and Technology</i> , 2010 , 62, 2970-8	2.2	49
4	Occurrence and removal of estrogens and beta blockers by various processes in wastewater treatment plants. <i>Science of the Total Environment</i> , 2010 , 408, 4257-69	10.2	155
3	Updated activated sludge model number 1 parameter values for improved prediction of nitrogen removal in activated sludge processes: validation at 13 full-scale plants. <i>Water Environment Research</i> , 2009 , 81, 858-65	2.8	9
2	Removal efficiency of pharmaceuticals and personal care products with varying wastewater treatment processes and operating conditions - conception of a database and first results. <i>Water Science and Technology</i> , 2008 , 57, 49-56	2.2	75
1	Circular Economy Applied to Organic Residues and Wastewater: Research Challenges. <i>Waste and Biomass Valorization</i> , 1	3.2	1