

# Jean-Marc Choubert

## List of Publications by Citations

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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	Occurrence and removal of estrogens and beta blockers by various processes in wastewater treatment plants. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 4257-69	10.2	155
41	Modelling of micropollutant removal in biological wastewater treatments: a review. <i>Science of the Total Environment</i> , <b>2013</b> , 443, 733-48	10.2	154
40	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> , <b>2008</b> , 57, 49-56	2.2	75
39	Occurrence and fate of relevant substances in wastewater treatment plants regarding Water Framework Directive and future legislations. <i>Water Science and Technology</i> , <b>2012</b> , 65, 1179-89	2.2	51
38	On-site evaluation of the removal of 100 micro-pollutants through advanced wastewater treatment processes for reuse applications. <i>Water Science and Technology</i> , <b>2011</b> , 63, 2486-97	2.2	50
37	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> , <b>2010</b> , 62, 2970-8	2.2	49
36	Limiting the emissions of micro-pollutants: what efficiency can we expect from wastewater treatment plants?. <i>Water Science and Technology</i> , <b>2011</b> , 63, 57-65	2.2	48
35	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> , <b>2016</b> , 551-552, 712-247	10.2	35
34	Perspectives on modelling micropollutants in wastewater treatment plants. <i>Water Science and Technology</i> , <b>2013</b> , 68, 448-61	2.2	26
33	Ozonation of 47 organic micropollutants in secondary treated municipal effluents: Direct and indirect kinetic reaction rates and modelling. <i>Chemosphere</i> , <b>2021</b> , 262, 127969	8.4	24
32	Influence of water depth and season on the photodegradation of micropollutants in a free-water surface constructed wetland receiving treated wastewater. <i>Chemosphere</i> , <b>2019</b> , 235, 260-270	8.4	23
31	Modeling nitrogen removal in a vertical flow constructed wetland treating directly domestic wastewater. <i>Ecological Engineering</i> , <b>2014</b> , 70, 379-386	3.9	23
30	Xenobiotics removal by adsorption in the context of tertiary treatment: a mini review. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 5085-95	5.1	21
29	Influent concentrations and removal performances of metals through municipal wastewater treatment processes. <i>Water Science and Technology</i> , <b>2011</b> , 63, 1967-73	2.2	21
28	Rethinking wastewater characterisation methods for activated sludge systems - a position paper. <i>Water Science and Technology</i> , <b>2013</b> , 67, 2363-73	2.2	19
27	A biofiltration model for tertiary nitrification of municipal wastewaters. <i>Water Research</i> , <b>2010</b> , 44, 4399-410	11.9	18
26	Mesurer les micropolluants dans les eaux usées brutes et traitées. <i>Techniques - Sciences - Methodes</i> , <b>2011</b> , 25-43	0	15

25	Lab-scale experimental strategy for determining micropollutant partition coefficient and biodegradation constants in activated sludge. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 4383-95	5.1	14
24	Biodegradable organic matter in domestic wastewaters: comparison of selected fractionation techniques. <i>Water Science and Technology</i> , <b>2010</b> , 62, 630-9	2.2	13
23	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> , <b>2021</b> , 407, 124801	12.8	13
22	Removal efficiencies and kinetic rate constants of xenobiotics by ozonation in tertiary treatment. <i>Water Science and Technology</i> , <b>2017</b> , 75, 2737-2746	2.2	12
21	Solid respirometry to characterize nitrification kinetics: a better insight for modelling nitrogen conversion in vertical flow constructed wetlands. <i>Water Research</i> , <b>2011</b> , 45, 4995-5004	12.5	9
20	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> , <b>2009</b> , 81, 858-65	2.8	9
19	Rethinking micropollutant removal assessment methods for wastewater treatment plants - how to get more robust data?. <i>Water Science and Technology</i> , <b>2017</b> , 75, 2964-2972	2.2	8
18	Understanding the contribution of biofilm in an integrated fixed-film-activated sludge system (IFAS) designed for nitrogen removal. <i>Water Science and Technology</i> , <b>2015</b> , 71, 1500-6	2.2	8
17	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> , <b>2014</b> , 21, 5660-8	5.1	8
16	Concentrations and fate of sugars, proteins and lipids during domestic and agro-industrial aerobic treatment. <i>Water Science and Technology</i> , <b>2011</b> , 63, 1669-77	2.2	7
15	The role of loading rate, backwashing, water and air velocities in an up-flow nitrifying tertiary filter. <i>Bioresource Technology</i> , <b>2011</b> , 102, 904-12	11	6
14	A calibration protocol of a one-dimensional moving bed bioreactor (MBBR) dynamic model for nitrogen removal. <i>Water Science and Technology</i> , <b>2012</b> , 65, 1172-8	2.2	6
13	Devenir des micropolluants adsorbables à travers les procédés de traitement des boues. <i>Techniques - Sciences - Methodes</i> , <b>2015</b> , 84-102	0	6
12	Dynamic modeling of nitrogen removal for a three-stage integrated fixed-film activated sludge process treating municipal wastewater. <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 237-247	3.7	6
11	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> , <b>2018</b> , 34, 71	1.3	5
10	Modeling of micropollutant removal in full-scale membrane bioreactors: calibration and operations to limit the emissions. <i>Bioprocess and Biosystems Engineering</i> , <b>2019</b> , 42, 1879-1892	3.7	4
9	Land characterisation for soil-based constructed wetlands: Adapting investigation methods to design objectives. <i>Water Practice and Technology</i> , <b>2015</b> , 10, 660-668	0.9	4
8	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> , <b>2018</b> , 71-83	0	4

7	A one dimensional moving bed biofilm reactor model for nitrification of municipal wastewaters. <i>Bioprocess and Biosystems Engineering</i> , <b>2017</b> , 40, 1141-1149	3.7	3
6	Peut-on améliorer l'élimination des micropolluants des eaux usées en optimisant le procédé boues activées?. <i>Techniques - Sciences - Methodes</i> , <b>2015</b> , 32-50	0	3
5	Performances et limites d'un procédé à lit 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> , <b>2016</b> , 16-38	0	2
4	Biochemical acidogenic potential in domestic wastewaters: effect of sampling and storage to characterize daily average composite samples. <i>Water Science and Technology</i> , <b>2011</b> , 63, 1396-404	2.2	1
3	Circular Economy Applied to Organic Residues and Wastewater: Research Challenges. <i>Waste and Biomass Valorization</i> , 1	3.2	1
2	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> , <b>2022</b> , 805, 150300	10.2	1
1	Rôle de la photodégradation dans l'élimination des micropolluants organiques au sein d'une zone de rejet verticalisée de type bassin. <i>Techniques - Sciences - Methodes</i> , <b>2017</b> , 127-155	0	