Michael Chys

List of Publications by Year
in descending order

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23 papers	714 citations	623574 14 h-index	642610 23 g-index
23 all docs	23 docs citations	23 times ranked	806 citing authors

#	Article	IF	Citations
1	The present status of landfill leachate treatment and its development trend from a technological point of view. Reviews in Environmental Science and Biotechnology, 2015, 14, 93-122.	3.9	149
2	A comparative study on the efficiency of ozonation and coagulationâ€“flocculation as pretreatment to activated carbon adsorption of biologically stabilized landfill leachate. Waste Management, 2015, 43, 335-342.	3.7	77
3	Characterisation of landfill leachate by EEM-PARAFAC-SOM during physical-chemical treatment by coagulation-flocculation, activated carbon adsorption and ion exchange. Chemosphere, 2017, 186, 873-883.	4.2	72
4	Ozonation of biologically treated landfill leachate: efficiency and insights in organic conversions. Chemical Engineering Journal, 2015, 277, 104-111.	6.6	66
5	Combining ozone with UV and H₂O₂ for the degradation of micropollutants from different origins: lab-scale analysis and optimization. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.2	63
6	Surrogate-Based Correlation Models in View of Real-Time Control of Ozonation of Secondary Treated Municipal Wastewaterâ€”Model Development and Dynamic Validation. Environmental Science & Technology, 2017, 51, 14233-14243.	4.6	44
7	<scp>UV</scp>/<scp>H₂O₂</scp>, <scp>O₃</scp> and (photoâ€)Fenton as treatment prior to granular activated carbon filtration of biologically stabilized landfill leachate. Journal of Chemical Technology and Biotechnology, 2015, 90, 525-533.	1.6	34
8	Removal of organic matter and ammonium from landfill leachate through different scenarios: Operational cost evaluation in a full-scale case study of a Flemish landfill. Journal of Environmental Management, 2017, 203, 774-781.	3.8	28
9	Municipal wastewater effluent characterization and variability analysis in view of an ozone dose control strategy during tertiary treatment: The status in Belgium. Science of the Total Environment, 2018, 625, 1198-1207.	3.9	28
10	Oxidation of Trace Organic Contaminants (TrOCs) in Wastewater Effluent with Different Ozone-Based AOPs: Comparison of Ozone Exposure and ^{â€¢}OH Formation. Industrial & Engineering Chemistry Research, 2019, 58, 8896-8902.	1.8	20
11	Enhanced treatment of secondary municipal wastewater effluent: comparing (biological) filtration and ozonation in view of micropollutant removal, unselective effluent toxicity, and the potential for real-time control. Water Science and Technology, 2017, 76, 236-246.	1.2	18
12	Degradation of bisphenol A by combining ozone with UV and H2O2 in aqueous solutions: mechanism and optimization. Clean Technologies and Environmental Policy, 2018, 20, 2109-2118.	2.1	18
13	Effect of oxidation and catalytic reduction of trace organic contaminants on their activated carbon adsorption. Chemosphere, 2016, 165, 191-201.	4.2	17
14	Techno-economic assessment of surrogate-based real-time control and monitoring of secondary effluent ozonation at pilot scale. Chemical Engineering Journal, 2018, 352, 431-440.	6.6	15
15	Dynamic validation of online applied and surrogate-based models for tertiary ozonation on pilot-scale. Chemosphere, 2018, 196, 494-501.	4.2	14
16	Assessing the impact of environmental activities on natural organic matter in South Africa and Belgium. Environmental Technology (United Kingdom), 2019, 40, 1756-1768.	1.2	14
17	Pesticide residues in (treated) wastewater and products of Belgian vegetable- and potato processing companies. Chemosphere, 2021, 280, 130619.	4.2	12
18	Treatment of rainwater runoff in recovery and recycling companies: Lab and pilot-scale testing. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 446-452.	0.9	11

#	Article	IF	Citations
19	Performance and kinetic process analysis of an Anammox reactor in view of application for landfill leachate treatment. Environmental Technology (United Kingdom), 2014, 35, 1226-1233.	1.2	9
20	Autotrophic nitrogen removal of landfill leachate at lab-scale and pilot- scale: feasibility and cost evaluation. Journal of Chemical Technology and Biotechnology, 2015, 90, 2152-2160.	1.6	7
21	Physical-chemical treatment of rainwater runoff in recovery and recycling companies: Pilot-scale optimization. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 1083-1098.	0.9	3
22	PARAFAC model as an innovative tool for monitoring natural organic matter removal in water treatment plants. Water Science and Technology, 2020, 81, 1786-1796.	1.2	3
23	Status and needs for online control of tertiary ozone-based water treatment: use of surrogate correlation models for removal of trace organic contaminants. Reviews in Environmental Science and Biotechnology, 2021, 20, 297.	3.9	2