

# Stijn W H Van Hulle

## List of Publications by Year in descending order

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130  
papers

4,428  
citations

81839

39  
h-index

123376

61  
g-index

130  
all docs

130  
docs citations

130  
times ranked

4709  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering aspects and practical application of autotrophic nitrogen removal from nitrogen rich streams. <i>Chemical Engineering Journal</i> , 2010, 162, 1-20.	6.6	432
2	Influence of temperature and pH on the kinetics of the Sharon nitrification process. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 471-480.	1.6	174
3	Enrichment of Anammox biomass from municipal activated sludge: experimental and modelling results. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1421-1428.	1.6	149
4	The present status of landfill leachate treatment and its development trend from a technological point of view. <i>Reviews in Environmental Science and Biotechnology</i> , 2015, 14, 93-122.	3.9	149
5	Performance assessment of electrospun nanofibers for filter applications. <i>Desalination</i> , 2009, 249, 942-948.	4.0	133
6	Comparison of ozone and HO induced conversion of effluent organic matter (EfOM) using ozonation and UV/H <sub>2</sub> O <sub>2</sub> treatment. <i>Water Research</i> , 2013, 47, 2387-2398.	5.3	115
7	A critical comparison of systematic calibration protocols for activated sludge models: A SWOT analysis. <i>Water Research</i> , 2005, 39, 2459-2474.	5.3	108
8	Modeling and simulation of oxygen-limited partial nitrification in a membrane-assisted bioreactor (MBR). <i>Biotechnology and Bioengineering</i> , 2004, 86, 531-542.	1.7	105
9	Potential of a functionalised nanofibre microfiltration membrane as an antibacterial water filter. <i>Desalination</i> , 2011, 275, 285-290.	4.0	88
10	Impact of enzymatic pretreatment on corn stover degradation and biogas production. <i>Bioresource Technology</i> , 2014, 173, 59-66.	4.8	85
11	Micropollutant elimination by O <sub>3</sub> , UV and plasma-based AOPs: An evaluation of treatment and energy costs. <i>Chemosphere</i> , 2019, 234, 715-724.	4.2	84
12	Horizontal subsurface flow constructed wetlands as tertiary treatment: Can they be an efficient barrier for microplastics pollution?. <i>Science of the Total Environment</i> , 2020, 721, 137785.	3.9	82
13	A comparative study on the efficiency of ozonation and coagulation-flocculation as pretreatment to activated carbon adsorption of biologically stabilized landfill leachate. <i>Waste Management</i> , 2015, 43, 335-342.	3.7	77
14	Coupling a hydrological water quality model and an economic optimization model to set up a cost-effective emission reduction scenario for nitrogen. <i>Environmental Modelling and Software</i> , 2011, 26, 44-51.	1.9	72
15	Removal of several pesticides in a falling water film DBD reactor with activated carbon textile: Energy efficiency. <i>Water Research</i> , 2017, 116, 1-12.	5.3	72
16	Characterisation of landfill leachate by EEM-PARAFAC-SOM during physical-chemical treatment by coagulation-flocculation, activated carbon adsorption and ion exchange. <i>Chemosphere</i> , 2017, 186, 873-883.	4.2	72
17	Ozonation of biologically treated landfill leachate: efficiency and insights in organic conversions. <i>Chemical Engineering Journal</i> , 2015, 277, 104-111.	6.6	66
18	Removal of atrazine in water by combination of activated carbon and dielectric barrier discharge. <i>Journal of Hazardous Materials</i> , 2015, 299, 647-655.	6.5	63

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19	Wastewater reclamation and reuse potentials in agriculture: towards environmental sustainability. <i>Environment, Development and Sustainability</i> , 2021, 23, 2949-2972.	2.7	60
20	Advanced oxidation of pharmaceuticals by the ozone-activated peroxymonosulfate process: the role of different oxidative species. <i>Journal of Hazardous Materials</i> , 2018, 360, 204-213.	6.5	59
21	Functionalisation of electrospun polymer nanofibre membranes with TiO <sub>2</sub> nanoparticles in view of dissolved organic matter photodegradation. <i>Separation and Purification Technology</i> , 2014, 133, 282-290.	3.9	58
22	Removal of micropollutants from water in a continuous-flow electrical discharge reactor. <i>Journal of Hazardous Materials</i> , 2019, 362, 238-245.	6.5	58
23	Full-scale modelling of an ozone reactor for drinking water treatment. <i>Chemical Engineering Journal</i> , 2010, 157, 551-557.	6.6	57
24	Decomposition of atrazine traces in water by combination of non-thermal electrical discharge and adsorption on nanofiber membrane. <i>Water Research</i> , 2015, 72, 361-371.	5.3	53
25	Combining ozone with UV and H <sub>2</sub> O <sub>2</sub> for the degradation of micropollutants from different origins: lab-scale analysis and optimization. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1071-1081.	1.0	48
26	Physicochemical Properties of the Sugar Industry and Ethanol Distillery Wastewater and Their Impact on the Environment. <i>Sugar Tech</i> , 2019, 21, 265-277.	0.9	52
27	Natural Pigments and Biogas Recovery from Microalgae Grown in Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10691-10701.	3.2	51
28	A combined respirometer-titrimeter for the determination of microalgae kinetics: Experimental data collection and modelling. <i>Chemical Engineering Journal</i> , 2013, 222, 85-93.	6.6	48
29	Closed hydroponic systems: operational parameters, root exudates occurrence and related water treatment. <i>Reviews in Environmental Science and Biotechnology</i> , 2017, 16, 59-79.	3.9	46
30	Comparison and performance assessment of ozone-based AOPs in view of trace organic contaminants abatement in water and wastewater: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105599.	3.3	46
31	Application of a mechanistic UV/hydrogen peroxide model at full-scale: Sensitivity analysis, calibration and performance evaluation. <i>Chemical Engineering Journal</i> , 2011, 171, 113-126.	6.6	44
32	Surrogate-Based Correlation Models in View of Real-Time Control of Ozonation of Secondary Treated Municipal Wastewater—Model Development and Dynamic Validation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 14233-14243.	4.6	44
33	Fate and removal of microplastics in unplanted lab-scale vertical flow constructed wetlands. <i>Science of the Total Environment</i> , 2021, 778, 146152.	3.9	44
34	Validation of a microalgal growth model accounting with inorganic carbon and nutrient kinetics for wastewater treatment. <i>Chemical Engineering Journal</i> , 2016, 285, 189-197.	6.6	43
35	Towards a benchmarking tool for minimizing wastewater utility greenhouse gas footprints. <i>Water Science and Technology</i> , 2012, 66, 2483-2495.	1.2	42
36	MODELING DISSOLVED OXYGEN CONCENTRATION FOR OPTIMIZING AERATION SYSTEMS AND REDUCING OXYGEN CONSUMPTION IN ACTIVATED SLUDGE PROCESSES: A REVIEW. <i>Chemical Engineering Communications</i> , 2014, 201, 983-1002.	1.5	42

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37	Investigation of plasma-induced chemistry in organic solutions for enhanced electrospun PLA nanofibers. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700226.	1.6	42
38	Oxygen transfer model development based on activated sludge and clean water in diffused aerated cylindrical tanks. <i>Chemical Engineering Journal</i> , 2014, 243, 51-59.	6.6	41
39	Removal of alachlor in water by non-thermal plasma: Reactive species and pathways in batch and continuous process. <i>Water Research</i> , 2019, 161, 549-559.	5.3	41
40	Enhanced process monitoring for wastewater treatment systems. <i>Environmetrics</i> , 2008, 19, 602-617.	0.6	40
41	The use of electrospun flat sheet nanofibre membranes in MBR applications. <i>Desalination</i> , 2010, 257, 170-176.	4.0	40
42	Chemical and economic optimization of the coagulation-flocculation process for silver removal and recovery from industrial wastewater. <i>Separation and Purification Technology</i> , 2017, 179, 145-151.	3.9	40
43	TiO <sub>2</sub> functionalized nanofibrous membranes for removal of organic (micro)pollutants from water. <i>Separation and Purification Technology</i> , 2017, 179, 533-541.	3.9	39
44	A semi-mechanistic model describing the influence of light and temperature on the respiration and photosynthetic growth of <i>Chlorella vulgaris</i> . <i>Bioresource Technology</i> , 2019, 274, 361-370.	4.8	37
45	$UV/H_2O_2$ , $O_3$ and (photo) Fenton as treatment prior to granular activated carbon filtration of biologically stabilized landfill leachate. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 525-533.	1.6	34
46	Enrichment of anaerobic ammonium oxidizing (Anammox) bacteria from OLAND and conventional sludge: Features and limitations. <i>Separation and Purification Technology</i> , 2013, 104, 130-137.	3.9	33
47	Importance of scale and hydrodynamics for modeling anaerobic digester performance. <i>Chemical Engineering Journal</i> , 2014, 255, 71-77.	6.6	33
48	Full-scale modelling of a food industry wastewater treatment plant in view of process upgrade. <i>Chemical Engineering Journal</i> , 2008, 135, 185-194.	6.6	31
49	Ozonation of trace organic compounds in different municipal and industrial wastewaters: Kinetic-based prediction of removal efficiency and ozone dose requirements. <i>Chemical Engineering Journal</i> , 2020, 387, 123405.	6.6	30
50	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. <i>Journal of Environmental Management</i> , 2017, 203, 774-781.	3.8	28
51	Municipal wastewater effluent characterization and variability analysis in view of an ozone dose control strategy during tertiary treatment: The status in Belgium. <i>Science of the Total Environment</i> , 2018, 625, 1198-1207.	3.9	28
52	Roof runoff contamination: a review on pollutant nature, material leaching and deposition. <i>Reviews in Environmental Science and Biotechnology</i> , 2021, 20, 549-606.	3.9	27
53	Ozonation in view of micropollutant removal from biologically treated landfill leachate: Removal efficiency, OH exposure, and surrogate-based monitoring. <i>Chemical Engineering Journal</i> , 2021, 410, 128413.	6.6	27
54	Performance analysis and optimization of autotrophic nitrogen removal in different reactor configurations: a modelling study. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 1311-1324.	1.2	25

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55	N <sub>2</sub> O and NO emissions during autotrophic nitrogen removal in a granular sludge reactor – a simulation study. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 2281-2290.	1.2	25
56	Kinetic exploration of nitrate-accumulating microalgae for nutrient recovery. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8377-8387.	1.7	25
57	Anaerobic treatment of blended sugar industry and ethanol distillery wastewater through biphasic high rate reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 676-685.	0.9	24
58	Filtration performance of electrospun polyamide nanofibres loaded with bactericides. <i>Textile Research Journal</i> , 2012, 82, 37-44.	1.1	23
59	Decentralized grey and black water reuse by combining a vertical flow constructed wetland and membrane based potable water system: Full scale demonstration. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104688.	3.3	23
60	Generation of environmental persistent free radicals (EPFRs) enhances ecotoxicological effects of the disposable face mask waste with the COVID-19 pandemic. <i>Environmental Pollution</i> , 2022, 301, 119019.	3.7	23
61	Sensor validation and reconciliation for a partial nitrification process. <i>Water Science and Technology</i> , 2006, 53, 513-521.	1.2	22
62	Removal of alachlor, diuron and isoproturon in water in a falling film dielectric barrier discharge (DBD) reactor combined with adsorption on activated carbon textile: Reaction mechanisms and oxidation by-products. <i>Journal of Hazardous Materials</i> , 2018, 354, 180-190.	6.5	22
63	Nitrite effect on the phosphorus uptake activity of phosphate accumulating organisms (PAOs) in pilot-scale SBR and MBR reactors. <i>Water S A</i> , 2019, 34, 249.	0.2	22
64	Oxidation of Trace Organic Contaminants (TrOCs) in Wastewater Effluent with Different Ozone-Based AOPs: Comparison of Ozone Exposure and <sup>•</sup> OH Formation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 8896-8902.	1.8	20
65	The ozone-activated peroxydisulfate process (O <sub>3</sub> /PMS) for removal of trace organic contaminants in natural and wastewater: Effect of the (in)organic matrix composition. <i>Chemical Engineering Journal</i> , 2022, 430, 133000.	6.6	20
66	Enhanced removal of refractory humic- and fulvic-like organics from biotreated landfill leachate by ozonation in packed bubble columns. <i>Science of the Total Environment</i> , 2022, 807, 150762.	3.9	20
67	Modelling and simulation of anaerobic digestion of various lignocellulosic substrates in batch reactors: Influence of lignin content and phenolic compounds II. <i>Biochemical Engineering Journal</i> , 2018, 134, 80-87.	1.8	19
68	Water treatment and re-use at temporary events using a mobile constructed wetland and drinking water production system. <i>Science of the Total Environment</i> , 2020, 737, 139630.	3.9	19
69	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. <i>Water Science and Technology</i> , 2017, 76, 236-246.	1.2	18
70	Water reuse in closed hydroponic systems: Comparison of GAC adsorption, ion exchange and ozonation processes to treat recycled nutrient solution. <i>Aquacultural Engineering</i> , 2017, 78, 190-195.	1.4	18
71	Degradation of bisphenol A by combining ozone with UV and H <sub>2</sub> O <sub>2</sub> in aqueous solutions: mechanism and optimization. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 2109-2118.	2.1	18
72	Effect of oxidation and catalytic reduction of trace organic contaminants on their activated carbon adsorption. <i>Chemosphere</i> , 2016, 165, 191-201.	4.2	17

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73	Degradation kinetics of isoproturon and its subsequent products in contact with TiO <sub>2</sub> functionalized silica nanofibers. <i>Chemical Engineering Journal</i> , 2020, 387, 124143.	6.6	17
74	Intensified ozonation in packed bubble columns for water treatment: Focus on mass transfer and humic acids removal. <i>Chemosphere</i> , 2021, 283, 131217.	4.2	16
75	Techno-economic assessment of surrogate-based real-time control and monitoring of secondary effluent ozonation at pilot scale. <i>Chemical Engineering Journal</i> , 2018, 352, 431-440.	6.6	15
76	Pretreatment of Secondary Effluents in View of Optimal Ozone-Based AOP Removal of Trace Organic Contaminants: Bench-Scale Comparison of Efficiency and Energy Consumption. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 8112-8120.	1.8	15
77	Dynamic validation of online applied and surrogate-based models for tertiary ozonation on pilot-scale. <i>Chemosphere</i> , 2018, 196, 494-501.	4.2	14
78	Assessing the impact of environmental activities on natural organic matter in South Africa and Belgium. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1756-1768.	1.2	14
79	Removal of heavy metals occurring in the washing water of flue gas purification. <i>Chemical Engineering Journal</i> , 2009, 150, 196-203.	6.6	13
80	Polyamide nanofiber membranes functionalized with zinc phthalocyanines. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	13
81	Using Box-Behnken experimental design to optimize the degradation of Basic Blue 41 dye by Fenton reaction. <i>International Journal of Industrial Chemistry</i> , 2020, 11, 43-53.	3.1	13
82	Advanced treatment of landfill leachate through combined Anammox-based biotreatment, O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> oxidation, and activated carbon adsorption: technical performance, surrogate-based control strategy, and operational cost analysis. <i>Journal of Hazardous Materials</i> , 2022, 430, 128481.	6.5	13
83	An Integrated Treatment Technology for Blended Wastewater of the Sugar Industry and Ethanol Distillery. <i>Environmental Processes</i> , 2019, 6, 475-491.	1.7	12
84	Total value wall: Full scale demonstration of a green wall for grey water treatment and recycling. <i>Journal of Environmental Management</i> , 2021, 298, 113489.	3.8	12
85	Treatment of rainwater runoff in recovery and recycling companies: Lab and pilot-scale testing. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 446-452.	0.9	11
86	Discussion of "Assessing Parameter Identifiability of Activated Sludge Model Number 1" by Pedro Afonso and Maria da Conceição Cunha. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 110-112.	0.7	10
87	Modelling and optimisation of a chemical industry wastewater treatment plant subjected to varying production schedules. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1084-1091.	1.6	10
88	Recirculating Water Treatment in Closed Hydroponic Systems: Assessment of Granular Activated Carbon and Soft Templated Mesoporous Carbon for Adsorptive Removal of Root Exudates. <i>Environmental Processes</i> , 2019, 6, 1-23.	1.7	10
89	Degradation of root exudates in closed hydroponic systems using UV/H <sub>2</sub> O <sub>2</sub> : Kinetic investigation, reaction pathways and cost analysis. <i>Science of the Total Environment</i> , 2019, 687, 479-487.	3.9	10
90	Roof runoff contamination: Establishing material-pollutant relationships and material benchmarking based on laboratory leaching tests. <i>Chemosphere</i> , 2021, 283, 131112.	4.2	10

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91	Leaching behaviour of different scrap materials at recovery and recycling companies: Full-, pilot- and lab-scale investigation. <i>Waste Management</i> , 2014, 34, 2674-2686.	3.7	9
92	Performance and kinetic process analysis of an Anammox reactor in view of application for landfill leachate treatment. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1226-1233.	1.2	9
93	Enhanced Ozonation of Trace Organic Contaminants in Municipal Wastewater Plant Effluent by Adding a Preceding Filtration Step: Comparison and Prediction of Removal Efficiency. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14661-14668.	3.2	9
94	Insights into a packed bubble column for removal of several ozone-persistent TrOCs by ozonation: removal kinetics, energy efficiency and elimination prediction. <i>Separation and Purification Technology</i> , 2021, 275, 119170.	3.9	9
95	Modelling bioaccumulation of semi-volatile organic compounds (SOCs) from air in plants based on allometric principles. <i>Chemosphere</i> , 2009, 77, 727-732.	4.2	8
96	Calibration and statistical analysis of a simplified model for the anaerobic digestion of solid waste. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 1575-1584.	1.2	8
97	Autotrophic nitrogen removal of landfill leachate at lab-scale and pilot- scale: feasibility and cost evaluation. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 2152-2160.	1.6	7
98	The use of a combined respirometric-titrimetric setup to assess the effect of environmental conditions on microalgal growth rate. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 248-256.	1.6	7
99	Integration of sequencing batch reactor and homo-catalytic advanced oxidation processes for the treatment of textile wastewater. <i>Nanotechnology for Environmental Engineering</i> , 2020, 5, 1.	2.0	7
100	Ozone-based advanced oxidation of biologically treated landfill leachate: Oxidation efficiency, mechanisms, and surrogate-based monitoring for bulk organics. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106459.	3.3	7
101	Life cycle assessment of two decentralized water treatment systems combining a constructed wetland and a membrane based drinking water production system. <i>Resources, Conservation and Recycling</i> , 2022, 178, 106104.	5.3	7
102	Surrogate-based follow-up of activated carbon adsorption preceded by ozonation for removal of bulk organics and micropollutants from landfill leachate. <i>Science of the Total Environment</i> , 2022, 820, 153349.	3.9	7
103	Sustainable wastewater treatment of temporary events: the Dranouter Music Festival case study. <i>Water Science and Technology</i> , 2008, 58, 1653-1657.	1.2	6
104	Model based analysis of carbon fluxes within microalgae-bacteria flocs using respirometric-titrimetric data. <i>Science of the Total Environment</i> , 2021, 784, 147048.	3.9	6
105	Removal of nitrogen components, bulk organics, and fluorophores during one-stage partial nitrification-Anammox treatment of landfill leachate. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106181.	3.3	6
106	Practical Assessment of Electronic Water Treatment for the Prevention of Fouling. <i>Chemical Engineering and Technology</i> , 2007, 30, 659-662.	0.9	5
107	Individual treatment of hotel and restaurant waste water in rural areas. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 653-661.	1.2	5
108	Statistical evaluation and comparison of the chemical quality of bottled water and flemish tap water. <i>Desalination and Water Treatment</i> , 2012, 40, 183-193.	1.0	5

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109	Scenario analysis and statistical analysis of simulation results of operation of activated sludge waste water treatment plants. <i>Desalination and Water Treatment</i> , 2014, 52, 4154-4164.	1.0	5
110	Kinetic investigation and optimization of a sequencing batch reactor for the treatment of textile wastewater. <i>Nanotechnology for Environmental Engineering</i> , 2019, 4, 1.	2.0	5
111	Titrimetric monitoring of a completely autotrophic nitrogen removal process. <i>Water Science and Technology</i> , 2006, 53, 533-540.	1.2	4
112	Small-scale modelling of river subcatchments: the Kleine Ronsebeek brook case study. <i>Desalination</i> , 2009, 237, 92-98.	4.0	4
113	Methane oxidation in a biofilter (Part 2): A lab-scale experiment for model calibration. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 1404-1409.	0.9	4
114	Effect of pre-coagulation on catalytic ozonation in the tertiary treatment of coking wastewater: Kinetic and ozone consumption analysis. <i>Journal of Water Process Engineering</i> , 2022, 48, 102856.	2.6	4
115	Phosphate adsorption capacity testing of natural and industrial substrates in view of application in swimming and fish pond water treatment systems. <i>Desalination and Water Treatment</i> , 2015, 54, 2461-2467.	1.0	3
116	Removal of natural organic matter (NOM) by ion exchange from surface water for drinking water production: a pilot-scale study. <i>Desalination and Water Treatment</i> , 2016, 57, 13897-13908.	1.0	3
117	Characterization of landfill leachate by spectral-based surrogate measurements during a combination of different biological processes and activated carbon adsorption. <i>Water Science and Technology</i> , 2020, 81, 2606-2616.	1.2	3
118	PARAFAC model as an innovative tool for monitoring natural organic matter removal in water treatment plants. <i>Water Science and Technology</i> , 2020, 81, 1786-1796.	1.2	3
119	Model based analysis of the growth kinetics of microalgal species residing in a waste stabilization pond. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1362-1369.	1.6	2
120	Full-scale modelling of food industry WWTP: Model evaluation and reuse. <i>Water S A</i> , 2018, 34, 127.	0.2	2
121	Status and needs for online control of tertiary ozone-based water treatment: use of surrogate correlation models for removal of trace organic contaminants. <i>Reviews in Environmental Science and Biotechnology</i> , 2021, 20, 297.	3.9	2
122	Validation of a simple and robust multi-residue gas chromatography-mass spectrometry method for the analysis of polycyclic aromatic hydrocarbons, phthalates and biocides in roofing material leachate and roof runoff. <i>Journal of Chromatography Open</i> , 2021, 1, 100007.	0.8	2
123	Synthesis, characterization, and methylene blue adsorption isotherms of hydrochars derived from forestry waste and agro-residues. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 1809-1824.	2.9	2
124	Enhanced Production and Recovery of Orthophosphate from Wastewater Containing Phosphonate 1-Hydroxyethane-1,1-diphosphonic Acid through Combined Packed-Bed Ozonation and Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16946-16955.	3.2	2
125	DOES RHEOLOGY RESTRICT THE SECONDARY SETTLER CAPACITY?. <i>Proceedings of the Water Environment Federation</i> , 2004, 2004, 772-775.	0.0	1
126	Reply to: Comment on "A critical comparison of systematic calibration protocols for activated sludge models: A SWOT analysis". <i>Water Research</i> , 2006, 40, 2994-2996.	5.3	1



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127	Statistical evaluation and comparison of the chemical quality of bottled water and Flemish tap water. , 0, 40, 183-193.		1
128	Kinetic exploration of intracellular nitrate storage in marine microalgae. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 1303-1311.	0.9	0
129	Towards a general kinetic microalgae model: Extending a semi-deterministic green microalgae model for the cyanobacterium Arthrospira platensis and red alga Porphyridium purpureum. Bioresource Technology, 2021, 342, 125993.	4.8	0
130	The effect of temperature and pH on the kinetics of a partial nitrification process. Communications in Agricultural and Applied Biological Sciences, 2004, 69, 11-4.	0.0	0