

# Marc Wichern

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9524064/publications.pdf>

Version: 2024-02-01

12  
papers

338  
citations

1039406

9  
h-index

1199166

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

492  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbiological fermentation of lignocellulosic biomass: current state and prospects of mathematical modeling. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1643-1652.	1.7	76
2	Efficient Low-Cost Anaerobic Treatment of Wastewater Using Biochar and Woodchip Filters. <i>Water (Switzerland)</i> , 2018, 10, 818.	1.2	46
3	On-farm wastewater treatment using biochar from local agroresidues reduces pathogens from irrigation water for safer food production in developing countries. <i>Science of the Total Environment</i> , 2019, 682, 601-610.	3.9	45
4	Determination of Methanogenic Pathways through Carbon Isotope ( $\delta^{13}\text{C}$ ) Analysis for the Two-Stage Anaerobic Digestion of High-Solids Substrates. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4705-4714.	4.6	42
5	Alginate-like exopolysaccharide extracted from aerobic granular sludge as biosorbent for methylene blue: Thermodynamic, kinetic and isotherm studies. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103081.	3.3	40
6	Parameter estimation and long-term process simulation of a biogas reactor operated under trace elements limitation. <i>Applied Energy</i> , 2015, 142, 352-360.	5.1	30
7	Determination of the fractions of syntrophically oxidized acetate in an autotrophic methanogenic reactor through an $^{12}\text{C}$ and $^{13}\text{C}$ isotope-based kinetic model. <i>Water Research</i> , 2016, 102, 362-373.	5.3	21
8	A comparative study of different electrochemical methods to determine cell internal parameters of microbial fuel cells. <i>Journal of Power Sources</i> , 2021, 494, 229707.	4.0	16
9	Modelling waste stabilisation ponds with an extended version of ASM3. <i>Water Science and Technology</i> , 2010, 61, 713-720.	1.2	13
10	Effect of sewage sampling frequency on determination of design parameters for municipal wastewater treatment plants. <i>Water Science and Technology</i> , 2021, 84, 284-292.	1.2	6
11	Evaluation of testing procedures for real-scale sewage pipes. <i>Water Science and Technology</i> , 2021, 84, 810-819.	1.2	2
12	Microspheres as Surrogate Helminth Eggs: A Comparative Lab-scale Sedimentation Study for Tap- and Wastewater. <i>Water (Switzerland)</i> , 2018, 10, 1192.	1.2	1