

Alexander Sperlich

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.

21
papers

835
citations

13
h-index

22
g-index

22
ext. papers

937
ext. citations

8.1
avg. IF

4
L-index

#	Paper	IF	Citations
21	Deep-bed filters as post-treatment for ozonation in tertiary municipal wastewater treatment: impact of design and operation on treatment goals. <i>Environmental Science: Water Research and Technology</i> , 2021 , 7, 197-211	4.2	4
20	A model-based analysis of the reactive transport behaviour of 37 trace organic compounds during field-scale bank filtration. <i>Water Research</i> , 2020 , 173, 115523	12.5	12
19	Differentiating between adsorption and biodegradation mechanisms while removing trace organic chemicals (TOxCs) in biological activated carbon (BAC) filters. <i>Science of the Total Environment</i> , 2020 , 743, 140567	10.2	8
18	Establishing sequential managed aquifer recharge technology (SMART) for enhanced removal of trace organic chemicals: Experiences from field studies in Berlin, Germany. <i>Journal of Hydrology</i> , 2018 , 563, 1161-1168	6	36
17	Trace Organic Removal during River Bank Filtration for Two Types of Sediment. <i>Water (Switzerland)</i> , 2018 , 10, 1736	3	14
16	Capillary Nanofiltration under Anoxic Conditions as Post-Treatment after Bank Filtration. <i>Water (Switzerland)</i> , 2018 , 10, 1599	3	4
15	Energy Efficient Operation of Variable Speed Submersible Pumps: Simulation of a Ground Water Well Field. <i>Water (Switzerland)</i> , 2018 , 10, 1255	3	11
14	Increasing Energy Efficiency in Water Collection Systems by Submersible PMSM Well Pumps. <i>Water (Switzerland)</i> , 2018 , 10, 1310	3	5
13	Fate of Trace Organic Compounds in Granular Activated Carbon (GAC) Adsorbers for Drinking Water Treatment. <i>Water (Switzerland)</i> , 2017 , 9, 479	3	10
12	UV254 absorbance as real-time monitoring and control parameter for micropollutant removal in advanced wastewater treatment with powdered activated carbon. <i>Water Research</i> , 2016 , 94, 240-245	12.5	67
11	Combination of granular activated carbon adsorption and deep-bed filtration as a single advanced wastewater treatment step for organic micropollutant and phosphorus removal. <i>Water Research</i> , 2016 , 92, 131-9	12.5	108
10	Integrating organic micropollutant removal into tertiary filtration: Combining PAC adsorption with advanced phosphorus removal. <i>Water Research</i> , 2015 , 84, 58-65	12.5	48
9	Stratification of Granular Activated Carbon Filters for Advanced Wastewater Treatment. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	6
8	Impacts of coagulation on the adsorption of organic micropollutants onto powdered activated carbon in treated domestic wastewater. <i>Chemosphere</i> , 2015 , 125, 198-204	8.4	60
7	Integrating Micro-Pollutant Removal by Powdered Activated Carbon into Deep Bed Filtration. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	19
6	Targeted testing of activated carbons for advanced wastewater treatment. <i>Chemical Engineering Journal</i> , 2014 , 257, 184-190	14.7	36
5	Impact of EfOM size on competition in activated carbon adsorption of organic micro-pollutants from treated wastewater. <i>Water Research</i> , 2014 , 65, 297-306	12.5	81

4	Estimating organic micro-pollutant removal potential of activated carbons using UV absorption and carbon characteristics. <i>Water Research</i> , 2014 , 56, 48-55	12.5	77
3	Anthropogenic organic micro-pollutants and pathogens in the urban water cycle: assessment, barriers and risk communication (ASKURIS). <i>Environmental Sciences Europe</i> , 2013 , 25, 20		38
2	Predicting anion breakthrough in granular ferric hydroxide (GFH) adsorption filters. <i>Water Research</i> , 2008 , 42, 2073-82	12.5	71
1	Breakthrough behavior of granular ferric hydroxide (GFH) fixed-bed adsorption filters: modeling and experimental approaches. <i>Water Research</i> , 2005 , 39, 1190-8	12.5	120