Alexander Sperlich

List of Publications by Year
in descending order

21 papers	1,049 citations	567144 15 h-index	713332 21 g-index
22 all docs	22 docs citations	22 times ranked	1156 citing authors

#	Article	IF	Citations
1	Combination of granular activated carbon adsorption and deep-bed filtration as a single advanced wastewater treatment step for organic micropollutant and phosphorus removal. Water Research, 2016, 92, 131-139.	5.3	156
2	Breakthrough behavior of granular ferric hydroxide (GFH) fixed-bed adsorption filters: modeling and experimental approaches. Water Research, 2005, 39, 1190-1198.	5.3	126
3	Impact of EfOM size on competition in activated carbon adsorption of organic micro-pollutants from treated wastewater. Water Research, 2014, 65, 297-306.	5.3	104
4	UV254 absorbance as real-time monitoring and control parameter for micropollutant removal in advanced wastewater treatment with powdered activated carbon. Water Research, 2016, 94, 240-245.	5.3	92
5	Estimating organic micro-pollutant removal potential of activated carbons using UV absorption and carbon characteristics. Water Research, 2014, 56, 48-55.	5.3	91
6	Predicting anion breakthrough in granular ferric hydroxide (GFH) adsorption filters. Water Research, 2008, 42, 2073-2082.	5.3	79
7	Impacts of coagulation on the adsorption of organic micropollutants onto powdered activated carbon in treated domestic wastewater. Chemosphere, 2015, 125, 198-204.	4.2	69
8	Integrating organic micropollutant removal into tertiary filtration: Combining PAC adsorption with advanced phosphorus removal. Water Research, 2015, 84, 58-65.	5.3	60
9	Establishing sequential managed aquifer recharge technology (SMART) for enhanced removal of trace organic chemicals: Experiences from field studies in Berlin, Germany. Journal of Hydrology, 2018, 563, 1161-1168.	2.3	47
10	Anthropogenic organic micro-pollutants and pathogens in the urban water cycle: assessment, barriers and risk communication (ASKURIS). Environmental Sciences Europe, 2013, 25, .	11.0	42
11	Targeted testing of activated carbons for advanced wastewater treatment. Chemical Engineering Journal, 2014, 257, 184-190.	6.6	42
12	A model-based analysis of the reactive transport behaviour of 37 trace organic compounds during field-scale bank filtration. Water Research, 2020, 173, 115523.	5.3	21
13	Integrating Micro-Pollutant Removal by Powdered Activated Carbon into Deep Bed Filtration. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	19
14	Differentiating between adsorption and biodegradation mechanisms while removing trace organic chemicals (TOrCs) in biological activated carbon (BAC) filters. Science of the Total Environment, 2020, 743, 140567.	3.9	18
15	Trace Organic Removal during River Bank Filtration for Two Types of Sediment. Water (Switzerland), 2018, 10, 1736.	1.2	17
16	Deep-bed filters as post-treatment for ozonation in tertiary municipal wastewater treatment: impact of design and operation on treatment goals. Environmental Science: Water Research and Technology, 2021, 7, 197-211.	1.2	15
17	Fate of Trace Organic Compounds in Granular Activated Carbon (GAC) Adsorbers for Drinking Water Treatment. Water (Switzerland), 2017, 9, 479.	1.2	14
18	Energy Efficient Operation of Variable Speed Submersible Pumps: Simulation of a Ground Water Well Field. Water (Switzerland), 2018, 10, 1255.	1.2	14

#	Article	IF	Citations
19	Increasing Energy Efficiency in Water Collection Systems by Submersible PMSM Well Pumps. Water (Switzerland), 2018, 10, 1310.	1.2	9
20	Stratification of Granular Activated Carbon Filters for Advanced Wastewater Treatment. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	7
21	Capillary Nanofiltration under Anoxic Conditions as Post-Treatment after Bank Filtration. Water (Switzerland), 2018, 10, 1599.	1.2	7