Wolfgang Uhl

List of Publications by Year
in descending order

		471371	477173
48 papers	893 citations	17 h-index	29 g-index
51 all docs	51 docs citations	51 times ranked	1328 citing authors

#	Article	IF	Citations
1	Calculating expected effects of treatment effectivity and river flow rates on the contribution of WWTP effluent to the ARG load of a receiving river. Journal of Environmental Management, 2021, 288, 112445.	3.8	14
2	Effect of solar radiation on natural organic matter composition in surface waters and resulting impacts on drinking water treatment. Environmental Technology (United Kingdom), 2021, , 1-17.	1.2	5
3	Combined membrane filtration and 265 nm UV irradiation for effective removal of cell free antibiotic resistance genes from feed water and concentrate. Journal of Membrane Science, 2020, 598, 117676.	4.1	47
4	Water quality aspects related to domestic drinking water storage tanks and consideration in current standards and guidelines throughout the world – a review. Journal of Water and Health, 2020, 18, 439-463.	1.1	25
5	Editorial for the Special Issue on 'Application and Behavior of Nanomaterials in Water Treatment'. Nanomaterials, 2019, 9, 880.	1.9	7
6	Impact of Different Combinations of Water Treatment Processes on the Concentration of Disinfection Byproducts and Their Precursors in Swimming Pool Water. Environmental Science & Technology, 2019, 53, 8115-8126.	4.6	20
7	Natural organic matter fractions and their removal in full-scale drinking water treatment under cold climate conditions in Nordic capitals. Journal of Environmental Management, 2019, 241, 427-438.	3.8	42
8	N2 yields from monochloramine conversion by granular activated carbons are decisive for effective swimming pool water treatment. Water Research, 2019, 152, 74-86.	5.3	5
9	Pore diffusion limits removal of monochloramine in treatment of swimming pool water using granular activated carbon. Water Research, 2018, 132, 270-281.	5.3	11
10	Removal of antibiotic resistant E. coli in two Norwegian wastewater treatment plants and by nano- and ultra-filtration processes. Water Science and Technology, 2018, 77, 1115-1126.	1.2	47
11	Effect of oxidation with coagulation and ceramic microfiltration pre-treatment on reverse osmosis for desalination of recycled wastewater. Desalination, 2018, 431, 106-118.	4.0	13
12	Attachment of antimicrobial peptides to reverse osmosis membranes by Cu(i)-catalyzed 1,3-dipolar alkyne–azide cycloaddition. RSC Advances, 2016, 6, 91815-91823.	1.7	10
13	Integrated oxidation membrane filtration process – NOM rejection and membrane fouling. Water Research, 2016, 104, 418-424.	5.3	37
14	Assessment of SOC adsorption prediction in activated carbon filtration based on Freundlich coefficients calculated from compound properties. RSC Advances, 2016, 6, 19587-19604.	1.7	6
15	Rejection of submicron sized particles from swimming pool water by a monolithic SiC microfiltration membrane: Relevance of steric and electrostatic interactions. Journal of Membrane Science, 2016, 499, 92-104.	4.1	19
16	A variable reaction rate model for chlorine decay in drinking water due to the reaction with dissolved organic matter. Water Research, 2015, 75, 109-122.	5.3	41
17	Glycosphingolipids Enhance Bacterial Attachment and Fouling of Nanofiltration Membranes. Environmental Science and Technology Letters, 2015, 2, 43-47.	3.9	22
18	Sorption of atrazine, alachlor and trifluralin from water onto different geosorbents. RSC Advances, 2015, 5, 8122-8133.	1.7	17

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19	The practical influence of rapid mixing on coagulation in a full-scale water treatment plant. Water Science and Technology, 2015, 71, 566-571.	1.2	5
20	New insights on early stages of RO membranes fouling during tertiary wastewater desalination. Journal of Membrane Science, 2014, 466, 26-35.	4.1	54
21	Mechanisms of action of particles used for fouling mitigation in membrane bioreactors. Water Research, 2014, 66, 40-52.	5.3	20
22	Impact of backwashing procedures on deep bed filtration productivity in drinking water treatment. Water Research, 2013, 47, 6348-6357.	5.3	27
23	Removal of natural organic matter and trihalomethane formation potential in a full-scale drinking water treatment plant. Water Science and Technology: Water Supply, 2013, 13, 1099-1108.	1.0	14
24	A decision support procedure for integrative management of dammed raw water reservoirs. Water Science and Technology: Water Supply, 2013, 13, 349-357.	1.0	1
25	Impact of shear stress and pH changes on floc size and removal of dissolved organic matter (DOM). Water Research, 2012, 46, 6543-6553.	5.3	46
26	Fouling minimised reclamation of secondary effluents with reverse osmosis (ReSeRO). Desalination and Water Treatment, 2012, 42, 181-188.	1.0	6
27	Drinking water production from surface water sources in the tropics: BrasÃłia DF, Brazil. Environmental Earth Sciences, 2012, 65, 1587-1599.	1.3	14
28	Pilot scale evaluation of biofiltration as an innovative pre-treatment for ultrafiltration membranes for drinking water treatment. Water Science and Technology: Water Supply, 2011, 11, 23-29.	1.0	11
29	Organic fouling and floc transport in capillaries. Separation and Purification Technology, 2011, 80, 482-489.	3.9	11
30	Classification of Drinking Water Pipe Sections with Respect to Particle Related Water Quality. , 2011, , .		0
31	IntegTa: a procedure for integrative management of dammed raw water reservoirs for drinking water production and their lower reaches. Water Science and Technology: Water Supply, 2010, 10, 783-792.	1.0	1
32	Influence of hybrid coagulation-ultrafiltration pretreatment on trace organics adsorption in drinking water treatment. Journal of Water Supply: Research and Technology - AQUA, 2009, 58, 170-180.	0.6	5
33	Simulation of Particle Transport in Drinking Water Distribution Systems. , 2009, , .		0
34	Analysing water quality changes due to reservoir management and climate change for optimization of drinking water treatment. Water Science and Technology: Water Supply, 2009, 9, 99-105.	1.0	9
35	Removal of Geosmin and MIB by Biofiltration - an Investigation Discriminating Between Adsorption and Biodegradation. Environmental Technology (United Kingdom), 2007, 28, 95-104.	1.2	55
36	CFD modelling of floc transport and coating layer build-up in single UF/MF membrane capillaries driven in inside-out mode. Water Science and Technology: Water Supply, 2007, 7, 37-47.	1.0	3

#	ARTICLE	IF	CITATIONS
37	Performance of Direct Biofiltration of Surface Water for Reduction of Biodegradable Organic Matter and Biofilm Formation Potential. Environmental Technology (United Kingdom), 2006, 27, 1037-1045.	1.2	42
38	Ultrafiltration for the reuse of spent filter backwash water from drinking water treatment. Desalination, 2006, 198, 225-235.	4.0	31
39	The effect of biological pre-filtration on the performance of conventional surface water treatment. Journal of Water Supply: Research and Technology - AQUA, 2006, 55, 109-119.	0.6	4
40	Disinfection by-products and microbial contamination in the treatment of pool water with granular activated carbon. Water Science and Technology, 2005, 52, 71-76.	1.2	19
41	Disinfection by-products and microbial contamination in the treatment of pool water with granular activated carbon. Water Science and Technology, 2005, 52, 71-6.	1.2	1
42	Establishment of HPC(R2A) for regrowth control in non-chlorinated distribution systems. International Journal of Food Microbiology, 2004, 92, 317-325.	2.1	31
43	Improving simultaneous removal of BDOC and turbidity in rapid filters by application of permeable synthetic collectors. Journal of Water Supply: Research and Technology - AQUA, 2002, 51, 229-237.	0.6	1
44	Preventing bacterial regrowth in old distribution systems without disinfection. Water Science and Technology: Water Supply, 2002, 2, 259-266.	1.0	5
45	Dynamic modeling of ammonia removal at low temperatures in drinking water rapid filters. Water Science and Technology, 2000, 41, 199-206.	1.2	63
46	Continuous microbial desulfurization of coal-application of a multistage slurry reactor and analysis of the interactions of microbial and chemical kinetics. Biotechnology and Bioengineering, 1989, 34, 1341-1356.	1.7	14
47	Construction and validation of a long-channel membrane test cell for representative monitoring of performance and characterization of fouling over the length of spiral-wound membrane modules. , 0, 89, 1-16.		5
48	Fouling minimised reclamation of secondary effluents with reverse osmosis (ReSeRO). , 0, 42, 181-188.		0