

Wolfgang Uhl

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

893
citations

471371

17
h-index

477173

29
g-index

51
all docs

51
docs citations

51
times ranked

1328
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic modeling of ammonia removal at low temperatures in drinking water rapid filters. <i>Water Science and Technology</i> , 2000, 41, 199-206.	1.2	63
2	Removal of Geosmin and MIB by Biofiltration - an Investigation Discriminating Between Adsorption and Biodegradation. <i>Environmental Technology (United Kingdom)</i> , 2007, 28, 95-104.	1.2	55
3	New insights on early stages of RO membranes fouling during tertiary wastewater desalination. <i>Journal of Membrane Science</i> , 2014, 466, 26-35.	4.1	54
4	Removal of antibiotic resistant E. coli in two Norwegian wastewater treatment plants and by nano- and ultra-filtration processes. <i>Water Science and Technology</i> , 2018, 77, 1115-1126.	1.2	47
5	Combined membrane filtration and 265Ånm UV irradiation for effective removal of cell free antibiotic resistance genes from feed water and concentrate. <i>Journal of Membrane Science</i> , 2020, 598, 117676.	4.1	47
6	Impact of shear stress and pH changes on floc size and removal of dissolved organic matter (DOM). <i>Water Research</i> , 2012, 46, 6543-6553.	5.3	46
7	Performance of Direct Biofiltration of Surface Water for Reduction of Biodegradable Organic Matter and Biofilm Formation Potential. <i>Environmental Technology (United Kingdom)</i> , 2006, 27, 1037-1045.	1.2	42
8	Natural organic matter fractions and their removal in full-scale drinking water treatment under cold climate conditions in Nordic capitals. <i>Journal of Environmental Management</i> , 2019, 241, 427-438.	3.8	42
9	A variable reaction rate model for chlorine decay in drinking water due to the reaction with dissolved organic matter. <i>Water Research</i> , 2015, 75, 109-122.	5.3	41
10	Integrated oxidation membrane filtration process " NOM rejection and membrane fouling. <i>Water Research</i> , 2016, 104, 418-424.	5.3	37
11	Establishment of HPC(R2A) for regrowth control in non-chlorinated distribution systems. <i>International Journal of Food Microbiology</i> , 2004, 92, 317-325.	2.1	31
12	Ultrafiltration for the reuse of spent filter backwash water from drinking water treatment. <i>Desalination</i> , 2006, 198, 225-235.	4.0	31
13	Impact of backwashing procedures on deep bed filtration productivity in drinking water treatment. <i>Water Research</i> , 2013, 47, 6348-6357.	5.3	27
14	Water quality aspects related to domestic drinking water storage tanks and consideration in current standards and guidelines throughout the world " a review. <i>Journal of Water and Health</i> , 2020, 18, 439-463.	1.1	25
15	Glycosphingolipids Enhance Bacterial Attachment and Fouling of Nanofiltration Membranes. <i>Environmental Science and Technology Letters</i> , 2015, 2, 43-47.	3.9	22
16	Mechanisms of action of particles used for fouling mitigation in membrane bioreactors. <i>Water Research</i> , 2014, 66, 40-52.	5.3	20
17	Impact of Different Combinations of Water Treatment Processes on the Concentration of Disinfection Byproducts and Their Precursors in Swimming Pool Water. <i>Environmental Science & Technology</i> , 2019, 53, 8115-8126.	4.6	20
18	Disinfection by-products and microbial contamination in the treatment of pool water with granular activated carbon. <i>Water Science and Technology</i> , 2005, 52, 71-76.	1.2	19

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19	Rejection of submicron sized particles from swimming pool water by a monolithic SiC microfiltration membrane: Relevance of steric and electrostatic interactions. <i>Journal of Membrane Science</i> , 2016, 499, 92-104.	4.1	19
20	Sorption of atrazine, alachlor and trifluralin from water onto different geosorbents. <i>RSC Advances</i> , 2015, 5, 8122-8133.	1.7	17
21	Continuous microbial desulfurization of coal-application of a multistage slurry reactor and analysis of the interactions of microbial and chemical kinetics. <i>Biotechnology and Bioengineering</i> , 1989, 34, 1341-1356.	1.7	14
22	Drinking water production from surface water sources in the tropics: Brasília DF, Brazil. <i>Environmental Earth Sciences</i> , 2012, 65, 1587-1599.	1.3	14
23	Removal of natural organic matter and trihalomethane formation potential in a full-scale drinking water treatment plant. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 1099-1108.	1.0	14
24	Calculating expected effects of treatment effectivity and river flow rates on the contribution of WWTP effluent to the ARG load of a receiving river. <i>Journal of Environmental Management</i> , 2021, 288, 112445.	3.8	14
25	Effect of oxidation with coagulation and ceramic microfiltration pre-treatment on reverse osmosis for desalination of recycled wastewater. <i>Desalination</i> , 2018, 431, 106-118.	4.0	13
26	Pilot scale evaluation of biofiltration as an innovative pre-treatment for ultrafiltration membranes for drinking water treatment. <i>Water Science and Technology: Water Supply</i> , 2011, 11, 23-29.	1.0	11
27	Organic fouling and floc transport in capillaries. <i>Separation and Purification Technology</i> , 2011, 80, 482-489.	3.9	11
28	Pore diffusion limits removal of monochloramine in treatment of swimming pool water using granular activated carbon. <i>Water Research</i> , 2018, 132, 270-281.	5.3	11
29	Attachment of antimicrobial peptides to reverse osmosis membranes by Cu(i)-catalyzed 1,3-dipolar alkyne-azide cycloaddition. <i>RSC Advances</i> , 2016, 6, 91815-91823.	1.7	10
30	Analysing water quality changes due to reservoir management and climate change for optimization of drinking water treatment. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 99-105.	1.0	9
31	Editorial for the Special Issue on "Application and Behavior of Nanomaterials in Water Treatment". <i>Nanomaterials</i> , 2019, 9, 880.	1.9	7
32	Fouling minimised reclamation of secondary effluents with reverse osmosis (ReSeRO). <i>Desalination and Water Treatment</i> , 2012, 42, 181-188.	1.0	6
33	Assessment of SOC adsorption prediction in activated carbon filtration based on Freundlich coefficients calculated from compound properties. <i>RSC Advances</i> , 2016, 6, 19587-19604.	1.7	6
34	Influence of hybrid coagulation-ultrafiltration pretreatment on trace organics adsorption in drinking water treatment. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2009, 58, 170-180.	0.6	5
35	The practical influence of rapid mixing on coagulation in a full-scale water treatment plant. <i>Water Science and Technology</i> , 2015, 71, 566-571.	1.2	5
36	N ₂ yields from monochloramine conversion by granular activated carbons are decisive for effective swimming pool water treatment. <i>Water Research</i> , 2019, 152, 74-86.	5.3	5

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37	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
38	Preventing bacterial regrowth in old distribution systems without disinfection. Water Science and Technology: Water Supply, 2002, 2, 259-266.	1.0	5
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	Simulation of Particle Transport in Drinking Water Distribution Systems. , 2009, , .		0
47	Classification of Drinking Water Pipe Sections with Respect to Particle Related Water Quality. , 2011, , .		0
48	Fouling minimised reclamation of secondary effluents with reverse osmosis (ReSeRO). , 0, 42, 181-188.		0