

Thomas Wintgens

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,635
citations

567281

15
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

2470
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of SARS-CoV-2 in raw and treated wastewater in Germany â€“ Suitability for COVID-19 surveillance and potential transmission risks. <i>Science of the Total Environment</i> , 2021, 751, 141750.	8.0	300
2	Correlation of EPS content in activated sludge at different sludge retention times with membrane fouling phenomena. <i>Water Research</i> , 2008, 42, 1475-1488.	11.3	189
3	Quantitative PCR Monitoring of Antibiotic Resistance Genes and Bacterial Pathogens in Three European Artificial Groundwater Recharge Systems. <i>Applied and Environmental Microbiology</i> , 2009, 75, 154-163.	3.1	160
4	Cu-Al ₂ O ₃ -g-C ₃ N ₄ and Cu-Al ₂ O ₃ -C-dots with dual-reaction centres for simultaneous enhancement of Fenton-like catalytic activity and selective H ₂ O ₂ conversion to hydroxyl radicals. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 223-233.	20.2	155
5	Long-term monitoring of a full-scale municipal membrane bioreactorâ€™Characterisation of foulants and operational performance. <i>Journal of Membrane Science</i> , 2008, 317, 78-87.	8.2	138
6	Quantification of pathogenic microorganisms and microbial indicators in three wastewater reclamation and managed aquifer recharge facilities in Europe. <i>Science of the Total Environment</i> , 2010, 408, 4923-4930.	8.0	106
7	Comparison of two PAC/UF processes for the removal of micropollutants from wastewater treatment plant effluent: Process performance and removal efficiency. <i>Water Research</i> , 2014, 56, 26-36.	11.3	104
8	Polymeric compounds in activated sludge supernatant â€™ Characterisation and retention mechanisms at a full-scale municipal membrane bioreactor. <i>Water Research</i> , 2007, 41, 3894-3902.	11.3	102
9	Novel Fenton-like catalyst Î³-Cu-Al ₂ O ₃ -Bi ₁₂ O ₁₅ Cl ₆ with electron-poor Cu centre and electron-rich Bi centre for enhancement of phenolic compounds degradation and H ₂ O ₂ utilization: The synergistic effects of Î³-Cu-ligand, dual-reaction centres and oxygen vacancies. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 28-40.	20.2	62
10	Valuing the subsurface pathogen treatment barrier in water recycling via aquifers for drinking supplies. <i>Water Research</i> , 2010, 44, 1841-1852.	11.3	51
11	Quantifying the effect of Managed Aquifer Recharge on the microbiological human health risks of irrigating crops with recycled water. <i>Agricultural Water Management</i> , 2011, 99, 93-102.	5.6	41
12	Upgrade of deep bed filtration with activated carbon dosage for compact micropollutant removal from wastewater in technical scale. <i>Water Research</i> , 2016, 94, 246-256.	11.3	38
13	Comparison of pre-treatment technologies towards improving reverse osmosis desalination of cooling tower blow down. <i>Desalination</i> , 2015, 357, 140-149.	8.2	37
14	Separating powdered activated carbon (PAC) from wastewater â€™ Technical process options and assessment of removal efficiency. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5744-5762.	6.7	36
15	Quantitative detection of powdered activated carbon in wastewater treatment plant effluent by thermogravimetric analysis (TGA). <i>Water Research</i> , 2016, 101, 510-518.	11.3	20
16	Optimizing the flocculation of powdered activated carbon in wastewater treatment by dosing iron salt in single- and two-stage processes. <i>Journal of Water Process Engineering</i> , 2017, 20, 130-137.	5.6	15
17	A performance comparison of individual and combined treatment modules for water recycling. <i>Environmental Progress</i> , 2005, 24, 383-391.	0.7	13
18	PAC/UF processes: Current application, potentials, bottlenecks and fundamentals: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 1783-1835.	12.8	13

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19	Wastewater surveillance allows early detection of SARS-CoV-2 omicron in North Rhine-Westphalia, Germany. <i>Science of the Total Environment</i> , 2022, 846, 157375.	8.0	13
20	Effect of high salt concentration on phosphorus recovery from sewage sludge and dewatering properties. <i>Journal of Water Process Engineering</i> , 2017, 19, 277-282.	5.6	12
21	The hydrothermal solution for self-sustaining drinking water purification at point of use. <i>Water Research</i> , 2020, 170, 115338.	11.3	8
22	Characterization and filtration performance of coating-modified polymeric membranes used in membrane bioreactors. <i>Chemical Papers</i> , 2009, 63, .	2.2	7
23	Can Large-Scale Offshore Membrane Desalination Cost-Effectively and Ecologically Address Water Scarcity in the Middle East?. <i>Membranes</i> , 2022, 12, 323.	3.0	7
24	Linking the effect of temperature on adsorption from aqueous solution with solute dissociation. <i>Journal of Hazardous Materials</i> , 2022, 429, 128291.	12.4	6
25	European Perspective on Managed Aquifer Recharge with Reclaimed Water. <i>Proceedings of the Water Environment Federation</i> , 2011, 2011, 1244-1256.	0.0	0