

Max Maurer

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

4,843
citations

117625

34
h-index

95266

68
g-index

72
all docs

72
docs citations

72
times ranked

4735
citing authors

#	ARTICLE	IF	CITATIONS
1	A Simplified Sanitary Sewer System Generator for Exploratory Modelling at City-Scale. <i>Water Research</i> , 2022, 209, 117903.	11.3	8
2	Reconciling cities with nature: Identifying local Blue-Green Infrastructure interventions for regional biodiversity enhancement. <i>Journal of Environmental Management</i> , 2022, 316, 115254.	7.8	34
3	Ex-ante quantification of nutrient, total solids, and water flows in sanitation systems. <i>Journal of Environmental Management</i> , 2021, 280, 111785.	7.8	7
4	Not all SuDS are created equal: Impact of different approaches on combined sewer overflows. <i>Water Research</i> , 2021, 191, 116780.	11.3	56
5	Effects of Transition to Water-efficient Solutions on Existing Centralized Sewer Systems—An Integrated Biophysical Modeling Approach. <i>Water Resources Research</i> , 2021, 57, e2020WR027616.	4.2	2
6	The clean plan: analysing sanitation planning in India using the CWIS planning framework. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2021, 11, 1036-1047.	1.8	11
7	Comparative analysis of sanitation systems for resource recovery: Influence of configurations and single technology components. <i>Water Research</i> , 2020, 186, 116281.	11.3	9
8	Developing sanitation planning options: A tool for systematic consideration of novel technologies and systems. <i>Journal of Environmental Management</i> , 2020, 271, 111004.	7.8	18
9	Benchmarking Soft Sensors for Remote Monitoring of On-Site Wastewater Treatment Plants. <i>Environmental Science & Technology</i> , 2020, 54, 10840-10849.	10.0	16
10	A Research Agenda for the Future of Urban Water Management: Exploring the Potential of Nongrid, Small-Grid, and Hybrid Solutions. <i>Environmental Science & Technology</i> , 2020, 54, 5312-5322.	10.0	73
11	Integrating uncertainty of preferences and predictions in decision models: An application to regional wastewater planning. <i>Journal of Environmental Management</i> , 2019, 252, 109652.	7.8	16
12	Quantifying physical disintegration of faeces in sewers: Stochastic model and flow reactor experiments. <i>Water Research</i> , 2019, 152, 159-170.	11.3	9
13	Beyond signal quality: The value of unmaintained pH, dissolved oxygen, and oxidation-reduction potential sensors for remote performance monitoring of on-site sequencing batch reactors. <i>Water Research</i> , 2019, 161, 639-651.	11.3	25
14	Passive samplers to quantify micropollutants in sewer overflows: accumulation behaviour and field validation for short pollution events. <i>Water Research</i> , 2019, 160, 350-360.	11.3	26
15	Review of synthetic human faeces and faecal sludge for sanitation and wastewater research. <i>Water Research</i> , 2018, 132, 222-240.	11.3	103
16	Screening European market potentials for small modular wastewater treatment systems – an inroad to sustainability transitions in urban water management?. <i>Land Use Policy</i> , 2018, 78, 711-725.	5.6	25
17	Generation of sanitation system options for urban planning considering novel technologies. <i>Water Research</i> , 2018, 145, 259-278.	11.3	30
18	The Potential of Knowing More: A Review of Data-Driven Urban Water Management. <i>Environmental Science & Technology</i> , 2017, 51, 2538-2553.	10.0	166

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19	Comparing multi-criteria decision analysis and integrated assessment to support long-term water supply planning. PLoS ONE, 2017, 12, e0176663.	2.5	23
20	Neural Correlates of Sevoflurane-induced Unconsciousness Identified by Simultaneous Functional Magnetic Resonance Imaging and Electroencephalography. Anesthesiology, 2016, 125, 861-872.	2.5	118
21	Emerging solutions to the water challenges of an urbanizing world. Science, 2016, 352, 928-933.	12.6	534
22	The cost of hybrid waste water systems: A systematic framework for specifying minimum cost-connection rates. Water Research, 2016, 103, 472-484.	11.3	23
23	Economies of density for on-site waste water treatment. Water Research, 2016, 101, 476-489.	11.3	37
24	Importance of anthropogenic climate impact, sampling error and urban development in sewer system design. Water Research, 2015, 73, 78-97.	11.3	23
25	To connect or not to connect? Modelling the optimal degree of centralisation for wastewater infrastructures. Water Research, 2015, 84, 218-231.	11.3	92
26	Structured decision-making for sustainable water infrastructure planning and four future scenarios. EURO Journal on Decision Processes, 2015, 3, 107-140.	2.7	70
27	Climate change and the willingness to pay to reduce ecological and health risks from wastewater flooding in urban centers and the environment. Ecological Economics, 2014, 98, 1-10.	5.7	72
28	Cost-Benefit Analysis of the Swiss National Policy on Reducing Micropollutants in Treated Wastewater. Environmental Science & Technology, 2014, 48, 12500-12508.	10.0	60
29	Strategic rehabilitation planning of piped water networks using multi-criteria decision analysis. Water Research, 2014, 49, 124-143.	11.3	84
30	Extension of pipe failure models to consider the absence of data from replaced pipes. Water Research, 2013, 47, 3696-3705.	11.3	39
31	Sewer deterioration modeling with condition data lacking historical records. Water Research, 2013, 47, 6762-6779.	11.3	31
32	Combining expert knowledge and local data for improved service life modeling of water supply networks. Environmental Modelling and Software, 2013, 42, 1-16.	4.5	36
33	Quantifying costs and lengths of urban drainage systems with a simple static sewer infrastructure model. Urban Water Journal, 2013, 10, 268-280.	2.1	22
34	Identifying biases in deterioration models using synthetic sewer data. Water Science and Technology, 2012, 66, 2363-2369.	2.5	6
35	Stochastic modeling to identify requirements for centralized monitoring of distributed wastewater treatment. Water Science and Technology, 2012, 65, 1067-1075.	2.5	9
36	Moving Targets, Long-Lived Infrastructure, and Increasing Needs for Integration and Adaptation in Water Management: An Illustration from Switzerland. Environmental Science & Technology, 2012, 46, 112-118.	10.0	16

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37	A compatibility-based procedure designed to generate potential sanitation system alternatives. <i>Journal of Environmental Management</i> , 2012, 104, 51-61.	7.8	26
38	Network condition simulator for benchmarking sewer deterioration models. <i>Water Research</i> , 2011, 45, 4983-4994.	11.3	54
39	Source Separation and Decentralization. , 2011, , 203-229.		10
40	Local strategic planning processes and sustainability transitions in infrastructure sectors. <i>Environmental Policy and Governance</i> , 2010, 20, 258-269.	3.7	67
41	Decision support in urban water management based on generic scenarios: The example of NoMix technology. <i>Journal of Environmental Management</i> , 2010, 91, 2676-2687.	7.8	13
42	Factors affecting economies of scale in combined sewer systems. <i>Water Science and Technology</i> , 2010, 62, 36-41.	2.5	28
43	The Cost of Uncertainty and the Value of Flexibility in Water and Wastewater Infrastructure Planning. <i>Proceedings of the Water Environment Federation</i> , 2010, 2010, 487-500.	0.0	1
44	Struvite precipitation from urine – Influencing factors on particle size. <i>Water Research</i> , 2010, 44, 2038-2046.	11.3	169
45	The exploratory analysis of trade-offs in strategic planning: Lessons from Regional Infrastructure Foresight. <i>Technological Forecasting and Social Change</i> , 2009, 76, 1150-1162.	11.6	36
46	Specific net present value: An improved method for assessing modularisation costs in water services with growing demand. <i>Water Research</i> , 2009, 43, 2121-2130.	11.3	54
47	Source Separation: Will We See a Paradigm Shift in Wastewater Handling?. <i>Environmental Science & Technology</i> , 2009, 43, 6121-6125.	10.0	244
48	Charting a Path for Innovative Toilet Technology Using Multicriteria Decision Analysis. <i>Environmental Science & Technology</i> , 2008, 42, 1855-1862.	10.0	36
49	Nutrient cycles and resource management: implications for the choice of wastewater treatment technology. <i>Water Science and Technology</i> , 2007, 56, 229-237.	2.5	51
50	Struvite precipitation thermodynamics in source-separated urine. <i>Water Research</i> , 2007, 41, 977-984.	11.3	193
51	Elimination of \hat{I}^2 -blockers in sewage treatment plants. <i>Water Research</i> , 2007, 41, 1614-1622.	11.3	228
52	The behaviour of pharmaceuticals and heavy metals during struvite precipitation in urine. <i>Water Research</i> , 2007, 41, 1859-1868.	11.3	180
53	Monitoring the Removal Efficiency of Pharmaceuticals and Hormones in Different Treatment Processes of Source-Separated Urine with Bioassays. <i>Environmental Science & Technology</i> , 2006, 40, 5095-5101.	10.0	88
54	Treatment processes for source-separated urine. <i>Water Research</i> , 2006, 40, 3151-3166.	11.3	426

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55	SCREENING TEST BATTERY FOR PHARMACEUTICALS IN URINE AND WASTEWATER. Environmental Toxicology and Chemistry, 2005, 24, 750.	4.3	49
56	Modeling Intrinsic Bioremediation for Interpret Observable Biogeochemical Footprints of BTEX Biodegradation: The Need for Fermentation and Abiotic Chemical Processes. ChemInform, 2005, 36, no.	0.0	0
57	Decentralised wastewater treatment technologies from a national perspective: at what cost are they competitive?. Water Science and Technology: Water Supply, 2005, 5, 145-154.	2.1	43
58	A guideline for simulation studies of wastewater treatment plants. Water Science and Technology, 2004, 50, 131-138.	2.5	141
59	Formulation of the CBC-Model for Modelling the Contaminants and Footprints in Natural Attenuation of BTEX. Biodegradation, 2004, 15, 419-434.	3.0	14
60	Modeling Intrinsic Bioremediation for Interpret Observable Biogeochemical Footprints of BTEX Biodegradation: The Need for Fermentation and Abiotic Chemical Processes. Biodegradation, 2004, 15, 405-417.	3.0	14
61	Nutrients in urine: energetic aspects of removal and recovery. Water Science and Technology, 2003, 48, 37-46.	2.5	285
62	From waste treatment to integrated resource management. Water Science and Technology, 2003, 48, 1-9.	2.5	42
63	Nutrients in urine: energetic aspects of removal and recovery. Water Science and Technology, 2003, 48, 37-46.	2.5	17
64	Peer Reviewed: Re-engineering the toilet for sustainable wastewater management. Environmental Science & Technology, 2001, 35, 192A-197A.	10.0	91
65	Moving-bed biological treatment (MBBT) of municipal wastewater: denitrification. Water Science and Technology, 2001, 43, 337-344.	2.5	18
66	Seasonal and Spatial Variability in Lake Michigan Sediment Small-Subunit rRNA Concentrations. Applied and Environmental Microbiology, 2001, 67, 3908-3922.	3.1	35
67	Moving-bed biological treatment (MBBT) of municipal wastewater: denitrification. Water Science and Technology, 2001, 43, 337-44.	2.5	0
68	Kinetics of biologically induced phosphorus precipitation in waste-water treatment. Water Research, 1999, 33, 484-493.	11.3	102
69	Intracellular carbon flow in phosphorus accumulating organisms from activated sludge systems. Water Research, 1997, 31, 907-917.	11.3	110
70	Monitoring of microbial phosphorus release in batch experiments using electric conductivity. Water Research, 1995, 29, 2613-2617.	11.3	27
71	Prediction of the performance of enhanced biological phosphorus removal plants. Water Science and Technology, 1994, 30, 333-343.	2.5	21