Jeroen G Langeveld

List of Publications by Year
in descending order

65 papers	1,077 citations	394421 19 h-index	477307 29 g-index
70 all docs	70 docs citations	70 times ranked	1131 citing authors

#	Article	IF	Citations
1	Passive Sampling of SARS-CoV-2 for Wastewater Surveillance. Environmental Science & Technology, 2021, 55, 10432-10441.	10.0	85
2	Sewer asset management â€“ state of the art and research needs. Urban Water Journal, 2019, 16, 662-675.	2.1	67
3	Modelling and monitoring of integrated urban wastewater systems: review on status and perspectives. Water Science and Technology, 2013, 68, 1203-1215.	2.5	62
4	Rethinking Wastewater Treatment Plant Effluent Standards: Nutrient Reduction or Nutrient Control?. Environmental Science & Technology, 2017, 51, 4735-4737.	10.0	58
5	Recent insights on uncertainties present in integrated catchment water quality modelling. Water Research, 2019, 150, 368-379.	11.3	54
6	Performance evaluation of real time control in urban wastewater systems in practice: Review and perspective. Environmental Modelling and Software, 2017, 95, 90-101.	4.5	37
7	Water quality modeling in sewer networks: Review and future research directions. Water Research, 2021, 202, 117419.	11.3	35
8	A review on the durability of PVC sewer pipes: research vs. practice. Structure and Infrastructure Engineering, 2020, 16, 880-897.	3.7	32
9	KALLISTO: cost effective and integrated optimization of the urban wastewater system Eindhoven. Water Practice and Technology, 2012, 7, .	2.0	31
10	Decision-making for sewer asset management: Theory and practice. Urban Water Journal, 2016, 13, 57-68.	2.1	31
11	Uncertainty analysis in a large-scale water quality integrated catchment modelling study. Water Research, 2019, 158, 46-60.	11.3	31
12	Towards the integrated management of urban water systems: Conceptualizing integration and its uncertainties. Journal of Cleaner Production, 2021, 280, 124977.	9.3	31
13	Machine Learningâ€Based Surrogate Modeling for Urban Water Networks: Review and Future Research Directions. Water Resources Research, 2022, 58, .	4.2	30
14	Design and performance evaluation of a simplified dynamic model for combined sewer overflows in pumped sewer systems. Journal of Hydrology, 2016, 538, 609-624.	5.4	24
15	Considering Rain Gauge Uncertainty Using Kriging for Uncertain Data. Atmosphere, 2018, 9, 446.	2.3	24
16	Identifying Critical Elements in Sewer Networks Using Graph-Theory. Water (Switzerland), 2018, 10, 136.	2.7	24
17	Searching for storm water inflows in foul sewers using fibre-optic distributed temperature sensing. Water Science and Technology, 2013, 68, 1723-1730.	2.5	22
18	A dynamic emulator for physically based flow simulators under varying rainfall and parametric conditions. Water Research, 2018, 142, 512-527.	11.3	22

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19	Statistical modelling of Fat, Oil and Grease (FOG) deposits in wastewater pump sumps. Water Research, 2018, 135, 155-167.	11.3	20
20	On data requirements for calibration of integrated models for urban water systems. Water Science and Technology, 2013, 68, 728-736.	2.5	17
21	Uncertainties associated with laser profiling of concrete sewer pipes for the quantification of the interior geometry. Structure and Infrastructure Engineering, 2015, 11, 1218-1239.	3.7	17
22	Towards the long term implementation of real time control of combined sewer systems: a review of performance and influencing factors. Water Science and Technology, 2022, 85, 1295-1320.	2.5	17
23	HAZard and OPerability (HAZOP) analysis for identification of information requirements for sewer asset management. Structure and Infrastructure Engineering, 2014, 10, 1345-1356.	3.7	16
24	A technology for sewer pipe inspection (part 1): Design, calibration, corrections and potential application of a laser profiler. Automation in Construction, 2017, 75, 91-107.	9.8	16
25	Empirical Sewer Water Quality Model for Generating Influent Data for WWTP Modelling. Water (Switzerland), 2017, 9, 491.	2.7	16
26	Cost-effective solutions for water quality improvement in the Dommel River supported by sewerâ€"WWTPâ€"river integrated modelling. Water Science and Technology, 2013, 68, 965-973.	2.5	15
27	Assessment of detection limits of fiber-optic distributed temperature sensing for detection of illicit connections. Water Science and Technology, 2013, 67, 2712-2718.	2.5	14
28	Using Distributed Temperature Sensing (DTS) for Locating and Characterising Infiltration and Inflow into Foul Sewers before, during and after Snowmelt Period. Water (Switzerland), 2019, 11, 1529.	2.7	13
29	Quantitative Impact Assessment of Sewer Condition on Health Risk. Water (Switzerland), 2018, 10, 245.	2.7	12
30	Processing of DTS monitoring results: automated detection of illicit connections. Water Practice and Technology, 2013, 8, 375-381.	2.0	11
31	Relating the structural strength of concrete sewer pipes and material properties retrieved from core samples. Structure and Infrastructure Engineering, 2017, 13, 637-651.	3.7	11
32	The relationship between fat, oil and grease (FOG) deposits in building drainage systems and FOG disposal patterns. Water Science and Technology, 2018, 77, 2388-2396.	2.5	11
33	Solids dynamics in gully pots. Urban Water Journal, 2020, 17, 669-680.	2.1	11
34	Identifying critical elements in drinking water distribution networks using graph theory. Structure and Infrastructure Engineering, 2021, 17, 347-360.	3.7	11
35	Root causes of failures in sustainable urban drainage systems (SUDS): an exploratory study in 11 municipalities in The Netherlands. Blue-Green Systems, 2021, 3, 31-48.	2.0	11
36	The role of integration for future urban water systems: Identifying Dutch urban water practitioners' perspectives using Q methodology. Cities, 2022, 126, 103659.	5.6	11

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37	Statistical analysis of lateral house connection failure mechanisms. Urban Water Journal, 2016, 13, 69-80.	2.1	10
38	A gaming approach to networked infrastructure management. Structure and Infrastructure Engineering, 2017, 13, 855-868.	3.7	10
39	Quantifying the true potential of Real Time Control in urban drainage systems. Urban Water Journal, 2021, 18, 873-884.	2.1	10
40	Performance evaluation of a smart buffer control at a wastewater treatment plant. Water Research, 2017, 125, 180-190.	11.3	9
41	Evaluation of a coupled hydrodynamic-closed ecological cycle approach for modelling dissolved oxygen in surface waters. Environmental Modelling and Software, 2019, 119, 242-257.	4.5	8
42	Judgment under uncertainty; a probabilistic evaluation framework for decision-making about sanitation systems in low-income countries. Journal of Environmental Management, 2013, 118, 106-114.	7.8	7
43	The influence of information quality on decision-making for networked infrastructure management. Structure and Infrastructure Engineering, 2017, 13, 696-708.	3.7	6
44	Analysing spatial patterns in lateral house connection blockages to support management strategies. Structure and Infrastructure Engineering, 2017, 13, 1146-1156.	3.7	6
45	Estimation of Hydraulic Roughness of Concrete Sewer Pipes by Laser Scanning. Journal of Hydraulic Engineering, 2017, 143, .	1.5	6
46	Quality and use of sewer invert measurements. Structure and Infrastructure Engineering, 2014, 10, 295-304.	3.7	5
47	Validation of computational fluid dynamics for deriving weir discharge relationships with scale model experiments and prototype measurements. Flow Measurement and Instrumentation, 2017, 58, 52-61.	2.0	5
48	Impact of Spatiotemporal Characteristics of Rainfall Inputs on Integrated Catchment Dissolved Oxygen Simulations. Water (Switzerland), 2017, 9, 926.	2.7	5
49	Monitoring and characterising the solids loading dynamics to drainage systems via gully pots. Urban Water Journal, 2021, 18, 699-710.	2.1	5
50	Special Issue on â€˜Sewer asset managementâ€™. Urban Water Journal, 2016, 13, 1-2.	2.1	4
51	Calibration of hydrodynamic model-driven sewer maintenance. Structure and Infrastructure Engineering, 2017, 13, 1167-1185.	3.7	4
52	Quantifying the effect of proactive management strategies on the serviceability of gully pots and lateral sewer connections. Structure and Infrastructure Engineering, 2017, 13, 1230-1238.	3.7	4
53	Wastewater System Optimization using Genetic Algorithms. , 2001, , 1.		3
54	Valuing information for sewer replacement decisions. Water Science and Technology, 2016, 74, 796-804.	2.5	3

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55	Identifying sources of infiltration and inflow in sanitary sewers in a northern community: comparative assessment of selected methods. Water Science and Technology, 2022, 86, 1-16.	2.5	3
56	Comment on â€œLife cycle assessment of urban wastewater systems: Quantifying the relative contribution of sewer systemsâ€. Water Research, 2015, 84, 375-377.	11.3	2
57	Extensive testing on PVC sewer pipes towards identifying the factors that affect their operational lifetime. Structure and Infrastructure Engineering, 0, , 1-13.	3.7	2
58	The mismatch between long-term monitoring data and modelling of solids wash-off to gully pots. Urban Water Journal, 2022, 19, 183-194.	2.1	2
59	Field Data on Time and Space Scales of Transport Processes in Sewer Systems. , 2002, , 1.		1
60	Parametric emulation and inference in computationally expensive integrated urban water quality simulators. Environmental Science and Pollution Research, 2020, 27, 14237-14258.	5.3	1
61	Sediment Morphology and the Flow Velocity Field in a Gully Pot: An Experimental Study. Water (Switzerland), 2020, 12, 2937.	2.7	1
62	Wastewater System Optimisation Using Genetic Algorithms. , 2001, , 788.		0
63	Automating the Raw Data to Model Input Process Using Flexible Open Source Tools. Lecture Notes in Civil Engineering, 2017, , 92-97.	0.4	0
64	Parametric Inference in Large Water Quality River Systems. Green Energy and Technology, 2019, , 307-311.	0.6	0
65	The assessment of a mobile geo-electrical measurement system: a study on the validity and contributing factors to quantify leakage in sewer systems. Urban Water Journal, 2022, 19, 374-387.	2.1	0