# Jeroen G Langeveld

List of Publications by Year
in descending order



| 65 | 1,077 | 394421 19 | 477307 29 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 70 | 70 | 70 | 1131 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Machine Learningâ€Based Surrogate Modeling for Urban Water Networks: Review and Future Research Directions. Water Resources Research, 2022, 58, . | 4.2 | 30 |
| 7 | Identifying critical elements in drinking water distribution networks using graph theory. Structure and Infrastructure Engineering, 2021, 17, 347-360. | 3.7 | 11 |
| 8 | Towards the integrated management of urban water systems: Conceptualizing integration and its uncertainties. Journal of Cleaner Production, 2021, 280, 124977. | 9.3 | 31 |
| 9 | Monitoring and characterising the solids loading dynamics to drainage systems via gully pots. Urban Water Journal, 2021, 18, 699-710. | 2.1 | 5 |
| 10 | Quantifying the true potential of Real Time Control in urban drainage systems. Urban Water Journal, 2021, 18, 873-884. | 2.1 | 10 |
| 11 | Passive Sampling of SARS-CoV-2 for Wastewater Surveillance. Environmental Science & Technology, 2021, 55, 10432-10441. | 10.0 | 85 |
| 12 | Water quality modeling in sewer networks: Review and future research directions. Water Research, 2021, 202, 117419. | 11.3 | 35 |
| 13 | 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 |
| 14 | A review on the durability of PVC sewer pipes: research vs. practice. Structure and Infrastructure Engineering, 2020, 16, 880-897. | 3.7 | 32 |
| 15 | Parametric emulation and inference in computationally expensive integrated urban water quality simulators. Environmental Science and Pollution Research, 2020, 27, 14237-14258. | 5.3 | 1 |
| 16 | Solids dynamics in gully pots. Urban Water Journal, 2020, 17, 669-680. | 2.1 | 11 |
| 17 | Sediment Morphology and the Flow Velocity Field in a Gully Pot: An Experimental Study. Water (Switzerland), 2020, 12, 2937. | 2.7 | 1 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Uncertainty analysis in a large-scale water quality integrated catchment modelling study. Water Research, 2019, 158, 46-60. | 11.3 | 31 |
| 21 | Sewer asset management â€“ state of the art and research needs. Urban Water Journal, 2019, 16, 662-675. | 2.1 | 67 |
| 22 | Recent insights on uncertainties present in integrated catchment water quality modelling. Water Research, 2019, 150, 368-379. | 11.3 | 54 |
| 23 | Parametric Inference in Large Water Quality River Systems. Green Energy and Technology, 2019, , 307-311. | 0.6 | 0 |
| 24 | Statistical modelling of Fat, Oil and Grease (FOG) deposits in wastewater pump sumps. Water Research, 2018, 135, 155-167. | 11.3 | 20 |
| 25 | 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 |
| 26 | Considering Rain Gauge Uncertainty Using Kriging for Uncertain Data. Atmosphere, 2018, 9, 446. | 2.3 | 24 |
| 27 | Identifying Critical Elements in Sewer Networks Using Graph-Theory. Water (Switzerland), 2018, 10, 136. | 2.7 | 24 |
| 28 | Quantitative Impact Assessment of Sewer Condition on Health Risk. Water (Switzerland), 2018, 10, 245. | 2.7 | 12 |
| 29 | A dynamic emulator for physically based flow simulators under varying rainfall and parametric conditions. Water Research, 2018, 142, 512-527. | 11.3 | 22 |
| 30 | The influence of information quality on decision-making for networked infrastructure management. Structure and Infrastructure Engineering, 2017, 13, 696-708. | 3.7 | 6 |
| 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 | Calibration of hydrodynamic model-driven sewer maintenance. Structure and Infrastructure Engineering, 2017, 13, 1167-1185. | 3.7 | 4 |
| 33 | 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 |
| 34 | Rethinking Wastewater Treatment Plant Effluent Standards: Nutrient Reduction or Nutrient Control?. Environmental Science & Technology, 2017, 51, 4735-4737. | 10.0 | 58 |
| 35 | 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 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Performance evaluation of a smart buffer control at a wastewater treatment plant. Water Research, 2017, 125, 180-190. | 11.3 | 9 |
| 38 | 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 |
| 39 | Analysing spatial patterns in lateral house connection blockages to support management strategies. Structure and Infrastructure Engineering, 2017, 13, 1146-1156. | 3.7 | 6 |
| 40 | A gaming approach to networked infrastructure management. Structure and Infrastructure Engineering, 2017, 13, 855-868. | 3.7 | 10 |
| 41 | Estimation of Hydraulic Roughness of Concrete Sewer Pipes by Laser Scanning. Journal of Hydraulic Engineering, 2017, 143, . | 1.5 | 6 |
| 42 | Empirical Sewer Water Quality Model for Generating Influent Data for WWTP Modelling. Water (Switzerland), 2017, 9, 491. | 2.7 | 16 |
| 43 | Impact of Spatiotemporal Characteristics of Rainfall Inputs on Integrated Catchment Dissolved Oxygen Simulations. Water (Switzerland), 2017, 9, 926. | 2.7 | 5 |
| 44 | Automating the Raw Data to Model Input Process Using Flexible Open Source Tools. Lecture Notes in Civil Engineering, 2017, , 92-97. | 0.4 | 0 |
| 45 | Valuing information for sewer replacement decisions. Water Science and Technology, 2016, 74, 796-804. | 2.5 | 3 |
| 46 | 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 |
| 47 | Statistical analysis of lateral house connection failure mechanisms. Urban Water Journal, 2016, 13, 69-80. | 2.1 | 10 |
| 48 | Special Issue on â€˜Sewer asset managementâ€™. Urban Water Journal, 2016, 13, 1-2. | 2.1 | 4 |
| 49 | Decision-making for sewer asset management: Theory and practice. Urban Water Journal, 2016, 13, 57-68. | 2.1 | 31 |
| 50 | 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 |
| 51 | 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 |
| 52 | Quality and use of sewer invert measurements. Structure and Infrastructure Engineering, 2014, 10, 295-304. | 3.7 | 5 |
| 53 | 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 |
| 54 | Modelling and monitoring of integrated urban wastewater systems: review on status and perspectives. Water Science and Technology, 2013, 68, 1203-1215. | 2.5 | 62 |

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| 55 | 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 |
| 56 | On data requirements for calibration of integrated models for urban water systems. Water Science and Technology, 2013, 68, 728-736. | 2.5 | 17 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | Processing of DTS monitoring results: automated detection of illicit connections. Water Practice and Technology, 2013, 8, 375-381. | 2.0 | 11 |
| 61 | KALLISTO: cost effective and integrated optimization of the urban wastewater system Eindhoven. Water Practice and Technology, 2012, 7, . | 2.0 | 31 |
| 62 | Field Data on Time and Space Scales of Transport Processes in Sewer Systems. , 2002, , 1. | | 1 |
| 63 | Wastewater System Optimisation Using Genetic Algorithms. , 2001, , 788. | | 0 |
| 64 | Wastewater System Optimization using Genetic Algorithms. , 2001, , 1. | | 3 |
| 65 | 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 |