# JÃ¶rg Rieckermann

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9205304/publications.pdf

Version: 2024-02-01

| 49 | 2,343 | 218381 | 214527 |
|---|---|---|---|
| papers | citations | 26 h-index | 47 g-index |

| 66 | 66 | 66 | 2869 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Sampling for Pharmaceuticals and Personal Care Products (PPCPs) and Illicit Drugs in Wastewater Systems: Are Your Conclusions Valid? A Critical Review. Environmental Science & Technology, 2010, 44, 6024-6035. | 4.6 | 420 |
| 2 | Comparing illicit drug use in 19 European cities through sewage analysis. Science of the Total Environment, 2012, 432, 432-439. | 3.9 | 416 |
| 3 | Quantification and Modeling of Wet-Antenna Attenuation for Commercial Microwave Links. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1195-1199. | 1.4 | 90 |
| 4 | Crowdsourcing Methods for Data Collection in Geophysics: State of the Art, Issues, and Future Directions. Reviews of Geophysics, 2018, 56, 698-740. | 9.0 | 90 |
| 5 | Towards a better understanding of sewer exfiltration. Water Research, 2008, 42, 2385-2394. | 5.3 | 83 |
| 6 | Improving uncertainty estimation in urban hydrological modeling by statistically describing bias. Hydrology and Earth System Sciences, 2013, 17, 4209-4225. | 1.9 | 82 |
| 7 | Assessing the quality of digital elevation models obtained from mini unmanned aerial vehicles for overland flow modelling in urban areas. Hydrology and Earth System Sciences, 2016, 20, 1637-1653. | 1.9 | 61 |
| 8 | Network condition simulator for benchmarking sewer deterioration models. Water Research, 2011, 45, 4983-4994. | 5.3 | 54 |
| 9 | Improving Rainfall Measurement in Gauge Poor Regions Thanks to Mobile Telecommunication Networks. Bulletin of the American Meteorological Society, 2016, 97, ES49-ES51. | 1.7 | 51 |
| 10 | Challenges of surveying wastewater drug loads of small populations and generalizable aspects on optimizing monitoring design. Addiction, 2014, 109, 472-481. | 1.7 | 50 |
| 11 | Bayesian uncertainty assessment of flood predictions in ungauged urban basins for conceptual rainfall-runoff models. Hydrology and Earth System Sciences, 2012, 16, 1221-1236. | 1.9 | 48 |
| 12 | Commercial microwave links instead of rain gauges: fiction or reality?. Water Science and Technology, 2015, 71, 31-37. | 1.2 | 48 |
| 13 | Using Markov switching models to infer dry and rainy periods from telecommunication microwave link signals. Atmospheric Measurement Techniques, 2012, 5, 1847-1859. | 1.2 | 47 |
| 14 | Considering rating curve uncertainty in water level predictions. Hydrology and Earth System Sciences, 2013, 17, 4415-4427. | 1.9 | 46 |
| 15 | Assessing the performance of sewer rehabilitation on the reduction of infiltration and inflow. Water Research, 2012, 46, 5185-5196. | 5.3 | 45 |
| 16 | Principal component analysis and sparse polynomial chaos expansions for global sensitivity analysis and model calibration: Application to urban drainage simulation. Reliability Engineering and System Safety, 2020, 195, 106737. | 5.1 | 45 |
| 17 | High-quality observation of surface imperviousness for urban runoff modelling using UAV imagery. Hydrology and Earth System Sciences, 2015, 19, 4215-4228. | 1.9 | 42 |
| 18 | How Urban Storm- and Wastewater Management Prepares for Emerging Opportunities and Threats: Digital Transformation, Ubiquitous Sensing, New Data Sources, and Beyondâ€‰-â€‰A Horizon Scan. Environmental Science & Technology, 2019, 53, 8488-8498. | 4.6 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Describing the catchmentâ€averaged precipitation as a stochastic process improves parameter and input estimation. Water Resources Research, 2016, 52, 3162-3186. | 1.7 | 37 |
| 20 | Assessing the potential of using telecommunication microwave links in urban drainage modelling. Water Science and Technology, 2013, 68, 1810-1818. | 1.2 | 36 |
| 21 | Gauge-adjusted rainfall estimates from commercial microwave links. Hydrology and Earth System Sciences, 2017, 21, 617-634. | 1.9 | 35 |
| 22 | Model bias and complexity â€“ Understanding the effects of structural deficits and input errors on runoff predictions. Environmental Modelling and Software, 2015, 64, 205-214. | 1.9 | 33 |
| 23 | Assessment of total uncertainty in cocaine and benzoylecgonine wastewater load measurements. Water Research, 2011, 45, 6650-6660. | 5.3 | 32 |
| 24 | Quality control of rain gauge measurements using telecommunication microwave links. Journal of Hydrology, 2013, 492, 15-23. | 2.3 | 32 |
| 25 | The value of streamflow data in improving TSS predictions â€“ Bayesian multi-objective calibration. Journal of Hydrology, 2015, 530, 241-254. | 2.3 | 30 |
| 26 | Parameter estimation of hydrologic models using a likelihood function for censored and binary observations. Water Research, 2017, 121, 290-301. | 5.3 | 29 |
| 27 | Appraisal of data-driven and mechanistic emulators of nonlinear simulators: The case of hydrodynamic urban drainage models. Environmental Modelling and Software, 2017, 92, 17-27. | 1.9 | 27 |
| 28 | Estimating sewer leakage from continuous tracer experiments. Water Research, 2007, 41, 1960-1972. | 5.3 | 23 |
| 29 | Identifying the best locations to install flow control devices in sewer networks to enable in-sewer storage. Journal of Hydrology, 2018, 556, 371-383. | 2.3 | 22 |
| 30 | Dynamic time warping improves sewer flow monitoring. Water Research, 2013, 47, 3803-3816. | 5.3 | 21 |
| 31 | Comparison of two stochastic techniques for reliable urban runoff prediction by modeling systematic errors. Water Resources Research, 2015, 51, 5004-5022. | 1.7 | 21 |
| 32 | A novel tracer method for estimating sewer exfiltration. Water Resources Research, 2005, 41, . | 1.7 | 18 |
| 33 | Adaptation in hindsight: Dynamics and drivers shaping urban wastewater systems. Journal of Environmental Management, 2015, 151, 404-415. | 3.8 | 17 |
| 34 | Commercial microwave links for urban drainage modelling: The effect of link characteristics and their position on runoff simulations. Journal of Environmental Management, 2019, 251, 109522. | 3.8 | 16 |
| 35 | Sewer Inlet Localization in UAV Image Clouds: Improving Performance with Multiview Detection. Remote Sensing, 2018, 10, 706. | 1.8 | 15 |
| 36 | Fast mechanism-based emulator of a slow urban hydrodynamic drainage simulator. Environmental Modelling and Software, 2016, 78, 54-67. | 1.9 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Can integrative catchment management mitigate future water quality issues caused by climate change and socio-economic development?. Hydrology and Earth System Sciences, 2017, 21, 1593-1609. | 1.9 | 14 |
| 38 | Assessing Wastewater Micropollutant Loads with Approximate Bayesian Computations. Environmental Science & Technology, 2011, 45, 4399-4406. | 4.6 | 12 |
| 39 | Precipitation Estimates From Commercial Microwave Links: Practical Approaches to Wet-Antenna Correction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9. | 2.7 | 10 |
| 40 | Water quality-based assessment of urban drainage impacts in Europe â€“ where do we stand today?. Water Science and Technology, 2012, 66, 304-313. | 1.2 | 9 |
| 41 | Sewage-based Epidemiology Requires a Truly Transdisciplinary Approach. Gaia, 2014, 23, 266-268. | 0.3 | 9 |
| 42 | Accelerating Bayesian inference in hydrological modeling with a mechanistic emulator. Environmental Modelling and Software, 2018, 109, 66-79. | 1.9 | 9 |
| 43 | Assessing the performance of international water management at Lake Titicaca. Aquatic Sciences, 2006, 68, 502-516. | 0.6 | 8 |
| 44 | Bayesian experimental design of tracer studies to monitor wastewater leakage from sewer networks. Water Resources Research, 2010, 46, . | 1.7 | 8 |
| 45 | A year of attenuation data from a commercial dual-polarized duplex microwave link with concurrent disdrometer, rain gauge, and weather observations. Earth System Science Data, 2021, 13, 4219-4240. | 3.7 | 8 |
| 46 | A distributed heat transfer model for thermal-hydraulic analyses in sewer networks. Water Research, 2021, 204, 117649. | 5.3 | 8 |
| 47 | Exploring a copula-based alternative to additive error modelsâ€”for non-negative and autocorrelated time series in hydrology. Journal of Hydrology, 2019, 575, 1031-1040. | 2.3 | 7 |
| 48 | Using decision analysis to determine optimal experimental design for monitoring sewer exfiltration with tracers. Water Science and Technology, 2006, 54, 161-168. | 1.2 | 4 |
| 49 | Accounting for erroneous model structures in biokinetic process models. Reliability Engineering and System Safety, 2020, 203, 107075. | 5.1 | 3 |