

# Harald Klammler

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

728  
citations

686830

13  
h-index

580395

25  
g-index

50  
all docs

50  
docs citations

50  
times ranked

559  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Observations and Modeling of Wave-Induced Burial and Sediment Entrainment: Likely Importance of Degree of Liquefaction. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017378.           | 1.0 | 8         |
| 2  | Design methodology for site-specific resistance factors based on foundation location and size. <i>Computers and Geotechnics</i> , 2021, 138, 104328.   | 2.3 | 2         |
| 3  | Seafloor Burial of Surrogate Unexploded Ordnance by Wave-Induced Sediment Instability. <i>IEEE Journal of Oceanic Engineering</i> , 2020, 45, 927-936.   | 2.1 | 6         |
| 4  | Decadal scale recharge-discharge time lags from aquifer freshwater-saltwater interactions. <i>Journal of Hydrology</i> , 2020, 582, 124514.  | 2.3 | 8         |
| 5  | Local Storage Dynamics of Individual Wetlands Predict Wetlandscape Discharge. <i>Water Resources Research</i> , 2020, 56, e2020WR027581.   | 1.7 | 9         |
| 6  | Sediment Bed Borehole Advection Method. <i>Water (Switzerland)</i> , 2020, 12, 3380.   | 1.2 | 1         |
| 7  | Modeling Micro- and Nano-Bubble Stability and Treatment Mechanisms in Batch Reactors. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, 04020079.   | 0.7 | 5         |
| 8  | Microbubble ozonation of the antioxidant butylated hydroxytoluene: Degradation kinetics and toxicity reduction. <i>Environmental Research</i> , 2020, 186, 109496.   | 3.7 | 30        |
| 9  | The use of micro-nano bubbles in groundwater remediation: A comprehensive review. <i>Groundwater for Sustainable Development</i> , 2020, 11, 100463.   | 2.3 | 40        |
| 10 | Resilience Dynamics of Urban Water Supply Security and Potential of Tipping Points. <i>Earth's Future</i> , 2019, 7, 1167-1191.  | 2.4 | 25        |
| 11 | Trend Analysis and Spatial Prediction of Groundwater Levels Using Time Series Forecasting and a Novel Spatio-Temporal Method. <i>Water Resources Management</i> , 2019, 33, 1425-1437.                       | 1.9 | 37        |
| 12 | Analysis of the long-term effects of groundwater extraction on the water balance in part of the Urucuia Aquifer System in Bahia - Brazil. <i>Revista Ambiente &amp; Água</i> , 2019, 14, 1.                  | 0.1 | 1         |
| 13 | Evidence of rock matrix back-diffusion and abiotic dechlorination using a field testing approach. <i>Journal of Contaminant Hydrology</i> , 2018, 209, 33-41.  | 1.6 | 9         |
| 14 | Modeling dynamic resilience in coupled technological-social systems subjected to stochastic disturbance regimes. <i>Environment Systems and Decisions</i> , 2018, 38, 140-159.                               | 1.9 | 14        |
| 15 | Insights From Unsteady Flow Analysis of Underdamped Slug Tests in Fractured Rock. <i>Water Resources Research</i> , 2018, 54, 5825-5840.   | 1.7 | 6         |
| 16 | Regional groundwater flow model for Abu Dhabi Emirate: scenario-based investigation. <i>Environmental Earth Sciences</i> , 2018, 77, 1.  | 1.3 | 8         |
| 17 | Theoretical aspects for estimating anisotropic saturated hydraulic conductivity from in-well or direct-push probe injection tests in uniform media. <i>Advances in Water Resources</i> , 2017, 104, 242-254. | 1.7 | 6         |
| 18 | Development of a passive sensor for measuring vertical cumulative water and solute mass fluxes in lake sediments and streambeds. <i>Advances in Water Resources</i> , 2017, 105, 1-12.                       | 1.7 | 8         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Probabilistic bearing serviceability of drilled shafts in randomly stratified rock using a geostatistical perturbation method. <i>Structural Safety</i> , 2016, 63, 59-70.                             | 2.8 | 3         |
| 20 | A new device for characterizing fracture networks and measuring groundwater and contaminant fluxes in fractured rock aquifers. <i>Water Resources Research</i> , 2016, 52, 5400-5420.                  | 1.7 | 13        |
| 21 | Effect of injection screen slot geometry on hydraulic conductivity tests. <i>Journal of Hydrology</i> , 2014, 511, 190-198.  | 2.3 | 13        |
| 22 | Capture and release zones of permeable reactive barriers under the influence of advectiveâ€“dispersive transport in the aquifer. <i>Advances in Water Resources</i> , 2014, 69, 79-94.                 | 1.7 | 6         |
| 23 | A stochastic model for estimating groundwater and contaminant discharges from fractured rock passive flux meter measurements. <i>Water Resources Research</i> , 2013, 49, 1277-1291.                   | 1.7 | 6         |
| 24 | Reliability based design of driven pile groups using combination of pile driving equations and high strain dynamic pile monitoring. <i>Structural Safety</i> , 2013, 45, 10-17.                        | 2.8 | 8         |
| 25 | Influence of Spatially Variable Side Friction and Collocated Data on Single and Multiple Shaft Resistances. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 84-94. | 1.5 | 3         |
| 26 | An Approach to Assess LRFD- $\beta$ from Load Test and Borehole Data In and Outside the Footprint of a Drilled Shaft. , 2013, , .  |     | 1         |
| 27 | Contaminant discharge and uncertainty estimates from passive flux meter measurements. <i>Water Resources Research</i> , 2012, 48, .  | 1.7 | 12        |
| 28 | A numerical and experimental study of bearing stiffness of drilled shafts socketed in heterogeneous rock. <i>Computers and Structures</i> , 2012, 90-91, 145-152.                                      | 2.4 | 8         |
| 29 | Water and contaminant flux estimation from multi-layer passive flux meter measurements. <i>WIT Transactions on Engineering Sciences</i> , 2012, , .  | 0.0 | 0         |
| 30 | A trigonometric interpolation approach to mixedâ€“type boundary problems associated with permeameter shape factors. <i>Water Resources Research</i> , 2011, 47, .                                      | 1.7 | 10        |
| 31 | A Practical LRFD Design Method for Deep Foundations Using Side Friction and End Bearing. , 2011, , .   |     | 0         |
| 32 | Constructal design of permeable reactive barriers: groundwater-hydraulics criteria. <i>Journal of Engineering Mathematics</i> , 2011, 71, 319-338.   | 0.6 | 23        |
| 33 | Approximate up-scaling of geo-spatial variables applied to deep foundation design. <i>Georisk</i> , 2011, 5, 163-172.  | 2.6 | 6         |
| 34 | Analytical Solutions for Flow Fields near Drainâ€“andâ€“Gate Reactive Barriers. <i>Ground Water</i> , 2010, 48, 427-437.   | 0.7 | 12        |
| 35 | Incorporating Geostatistical Aspects in LRFD Design for Deep Foundations. , 2010, , .  |     | 2         |
| 36 | Stochastic evaluation of subsurface contaminant discharges under physical, chemical, and biological heterogeneities. <i>Advances in Water Resources</i> , 2010, 33, 801-812.                           | 1.7 | 10        |

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|----|--|-----|-----------|
| 37 | Influence of Spatially Variable Side Friction on Single Drilled Shaft Resistance and LRFD Resistance Factors. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1114-1123. | 1.5 | 21        |
| 38 | Capture flows of funnel-and-gate reactive barriers without gravel packs. WIT Transactions on Engineering Sciences, 2010, , .   | 0.0 | 2         |
| 39 | Effect of Passive Surface Water Flux Meter Design on Water and Solute Mass Flux Estimates. Journal of Hydrologic Engineering - ASCE, 2009, 14, 1334-1342.  | 0.8 | 4         |
| 40 | Analytical solutions for the flow fields near funnel-and-gate reactive barriers with hydraulic losses. Water Resources Research, 2009, 45, .   | 1.7 | 12        |
| 41 | Groundwater and contaminant travel time distributions near permeable reactive barriers. WIT Transactions on Ecology and the Environment, 2009, , .   | 0.0 | 1         |
| 42 | Analytical solutions for flow fields near continuous wall reactive barriers. Journal of Contaminant Hydrology, 2008, 98, 1-14.   | 1.6 | 19        |
| 43 | The problem of flow by-pass at permeable reactive barriers. WIT Transactions on the Built Environment, 2008, , .   | 0.0 | 5         |
| 44 | Initial Test Results for a Passive Surface Water Fluxmeter to Measure Cumulative Water and Solute Mass Fluxes. Environmental Science & Technology, 2007, 41, 2485-2490.                              | 4.6 | 5         |
| 45 | General analytical treatment of the flow field relevant to the interpretation of passive fluxmeter measurements. Water Resources Research, 2007, 43, .   | 1.7 | 13        |
| 46 | Concepts for measuring horizontal groundwater flow directions using the passive flux meter. Advances in Water Resources, 2007, 30, 984-997.  | 1.7 | 14        |
| 47 | Magnitude and Directional Measures of Water and Cr(VI) Fluxes by Passive Flux Meter. Environmental Science & Technology, 2006, 40, 6392-6397.  | 4.6 | 21        |
| 48 | A semi-analytical model for predicting water quality from an aquifer storage and recovery system. Journal of Hydrology, 2006, 329, 403-412.  | 2.3 | 12        |
| 49 | Field-Scale Evaluation of the Passive Flux Meter for Simultaneous Measurement of Groundwater and Contaminant Fluxes. Environmental Science & Technology, 2005, 39, 7194-7201.                        | 4.6 | 97        |
| 50 | A direct passive method for measuring water and contaminant fluxes in porous media. Journal of Contaminant Hydrology, 2004, 75, 155-181.   | 1.6 | 143       |