Harald Klammler

List of Publications by Year
in descending order

50 papers	728 citations	687363 13 h-index	580821 25 g-index
50 all docs	50 docs citations	50 times ranked	559 citing authors

#	Article	IF	Citations
1	A direct passive method for measuring water and contaminant fluxes in porous media. Journal of Contaminant Hydrology, 2004, 75, 155-181.	3.3	143
2	Field-Scale Evaluation of the Passive Flux Meter for Simultaneous Measurement of Groundwater and Contaminant Fluxes. Environmental Science & Technology, 2005, 39, 7194-7201.	10.0	97
3	The use of micro-nano bubbles in groundwater remediation: A comprehensive review. Groundwater for Sustainable Development, 2020, 11, 100463.	4.6	40
4	Trend Analysis and Spatial Prediction of Groundwater Levels Using Time Series Forecasting and a Novel Spatio-Temporal Method. Water Resources Management, 2019, 33, 1425-1437.	3.9	37
5	Microbubble ozonation of the antioxidant butylated hydroxytoluene: Degradation kinetics and toxicity reduction. Environmental Research, 2020, 186, 109496.	7.5	30
6	Resilience Dynamics of Urban Water Supply Security and Potential of Tipping Points. Earth's Future, 2019, 7, 1167-1191.	6.3	25
7	Constructal design of permeable reactive barriers: groundwater-hydraulics criteria. Journal of Engineering Mathematics, 2011, 71, 319-338.	1.2	23
8	Magnitude and Directional Measures of Water and Cr(VI) Fluxes by Passive Flux Meter. Environmental Science & Technology, 2006, 40, 6392-6397.	10.0	21
9	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.	3.0	21
10	Analytical solutions for flow fields near continuous wall reactive barriers. Journal of Contaminant Hydrology, 2008, 98, 1-14.	3.3	19
11	Concepts for measuring horizontal groundwater flow directions using the passive flux meter. Advances in Water Resources, 2007, 30, 984-997.	3.8	14
12	Modeling dynamic resilience in coupled technological-social systems subjected to stochastic disturbance regimes. Environment Systems and Decisions, 2018, 38, 140-159.	3.4	14
13	General analytical treatment of the flow field relevant to the interpretation of passive fluxmeter measurements. Water Resources Research, 2007, 43, .	4.2	13
14	Effect of injection screen slot geometry on hydraulic conductivity tests. Journal of Hydrology, 2014, 511, 190-198.	5.4	13
15	A new device for characterizing fracture networks and measuring groundwater and contaminant fluxes in fractured rock aquifers. Water Resources Research, 2016, 52, 5400-5420.	4.2	13
16	A semi-analytical model for predicting water quality from an aquifer storage and recovery system. Journal of Hydrology, 2006, 329, 403-412.	5.4	12
17	Analytical Solutions for Flow Fields near Drainâ€andâ€Gate Reactive Barriers. Ground Water, 2010, 48, 427-437.	1.3	12
18	Analytical solutions for the flow fields near funnelâ€andâ€gate reactive barriers with hydraulic losses. Water Resources Research, 2009, 45, .	4.2	12

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19	Contaminant discharge and uncertainty estimates from passive flux meter measurements. Water Resources Research, 2012, 48, .	4.2	12
20	Stochastic evaluation of subsurface contaminant discharges under physical, chemical, and biological heterogeneities. Advances in Water Resources, 2010, 33, 801-812.	3.8	10
21	A trigonometric interpolation approach to mixedâ€type boundary problems associated with permeameter shape factors. Water Resources Research, 2011, 47, .	4.2	10
22	Evidence of rock matrix back-diffusion and abiotic dechlorination using a field testing approach. Journal of Contaminant Hydrology, 2018, 209, 33-41.	3.3	9
23	Local Storage Dynamics of Individual Wetlands Predict Wetlandscape Discharge. Water Resources Research, 2020, 56, e2020WR027581.	4.2	9
24	A numerical and experimental study of bearing stiffness of drilled shafts socketed in heterogeneous rock. Computers and Structures, 2012, 90-91, 145-152.	4.4	8
25	Reliability based design of driven pile groups using combination of pile driving equations and high strain dynamic pile monitoring. Structural Safety, 2013, 45, 10-17.	5.3	8
26	Development of a passive sensor for measuring vertical cumulative water and solute mass fluxes in lake sediments and streambeds. Advances in Water Resources, 2017, 105, 1-12.	3.8	8
27	Regional groundwater flow model for Abu Dhabi Emirate: scenario-based investigation. Environmental Earth Sciences, 2018, 77, 1.	2.7	8
28	Decadal scale recharge-discharge time lags from aquifer freshwater-saltwater interactions. Journal of Hydrology, 2020, 582, 124514.	5.4	8
29	Observations and Modeling of Waveâ€Induced Burial and Sediment Entrainment: Likely Importance of Degree of Liquefaction. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017378.	2.6	8
30	Approximate up-scaling of geo-spatial variables applied to deep foundation design. Georisk, 2011, 5, 163-172.	3.5	6
31	A stochastic model for estimating groundwater and contaminant discharges from fractured rock passive flux meter measurements. Water Resources Research, 2013, 49, 1277-1291.	4.2	6
32	Capture and release zones of permeable reactive barriers under the influence of advectiveâ€“dispersive transport in the aquifer. Advances in Water Resources, 2014, 69, 79-94.	3.8	6
33	Theoretical aspects for estimating anisotropic saturated hydraulic conductivity from in-well or direct-push probe injection tests in uniform media. Advances in Water Resources, 2017, 104, 242-254.	3.8	6
34	Insights From Unsteady Flow Analysis of Underdamped Slug Tests in Fractured Rock. Water Resources Research, 2018, 54, 5825-5840.	4.2	6
35	Seafloor Burial of Surrogate Unexploded Ordnance by Wave-Induced Sediment Instability. IEEE Journal of Oceanic Engineering, 2020, 45, 927-936.	3.8	6
36	Initial Test Results for a Passive Surface Water Fluxmeter to Measure Cumulative Water and Solute Mass Fluxes. Environmental Science & Technology, 2007, 41, 2485-2490.	10.0	5

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37	Modeling Micro- and Nano-Bubble Stability and Treatment Mechanisms in Batch Reactors. Journal of Environmental Engineering, ASCE, 2020, 146, 04020079.	1.4	5
38	The problem of flow by-pass at permeable reactive barriers. WIT Transactions on the Built Environment, 2008, , .	0.0	5
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.	1.9	4
40	Influence of Spatially Variable Side Friction and Collocated Data on Single and Multiple Shaft Resistances. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 84-94.	3.0	3
41	Probabilistic bearing serviceability of drilled shafts in randomly stratified rock using a geostatistical perturbation method. Structural Safety, 2016, 63, 59-70.	5.3	3
42	Incorporating Geostatistical Aspects in LRFD Design for Deep Foundations. , 2010, , .		2
43	Design methodology for site-specific resistance factors based on foundation location and size. Computers and Geotechnics, 2021, 138, 104328.	4.7	2
44	Capture flows of funnel-and-gate reactive barriers without gravel packs. WIT Transactions on Engineering Sciences, 2010, , .	0.0	2
45	An Approach to Assess LRFD-Î¦ from Load Test and Borehole Data In and Outside the Footprint of a Drilled Shaft. , 2013, , .		1
46	Sediment Bed Borehole Advection Method. Water (Switzerland), 2020, 12, 3380.	2.7	1
47	Groundwater and contaminant travel time distributions near permeable reactive barriers. WIT Transactions on Ecology and the Environment, 2009, , .	0.0	1
48	Analysis of the long-term effects of groundwater extraction on the water balance in part of the Urucuia Aquifer System in Bahia - Brazil. Revista Ambiente & Ãgua, 2019, 14, 1.	0.3	1
49	A Practical LRFD Design Method for Deep Foundations Using Side Friction and End Bearing. , 2011, , .		0
50	Water and contaminant flux estimation from multi-layer passive flux meter measurements. WIT Transactions on Engineering Sciences, 2012, , .	0.0	0