

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	A direct passive method for measuring water and contaminant fluxes in porous media. <i>Journal of Contaminant Hydrology</i> , 2004, 75, 155-181.	1.6	143
2	Field-Scale Evaluation of the Passive Flux Meter for Simultaneous Measurement of Groundwater and Contaminant Fluxes. <i>Environmental Science & Technology</i> , 2005, 39, 7194-7201.	4.6	97
3	The use of micro-nano bubbles in groundwater remediation: A comprehensive review. <i>Groundwater for Sustainable Development</i> , 2020, 11, 100463.	2.3	40
4	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
5	Microbubble ozonation of the antioxidant butylated hydroxytoluene: Degradation kinetics and toxicity reduction. <i>Environmental Research</i> , 2020, 186, 109496.	3.7	30
6	Resilience Dynamics of Urban Water Supply Security and Potential of Tipping Points. <i>Earth's Future</i> , 2019, 7, 1167-1191.	2.4	25
7	Constructal design of permeable reactive barriers: groundwater-hydraulics criteria. <i>Journal of Engineering Mathematics</i> , 2011, 71, 319-338.	0.6	23
8	Magnitude and Directional Measures of Water and Cr(VI) Fluxes by Passive Flux Meter. <i>Environmental Science & Technology</i> , 2006, 40, 6392-6397.	4.6	21
9	Influence of Spatially Variable Side Friction on Single Drilled Shaft Resistance and LRFD Resistance Factors. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 1114-1123.	1.5	21
10	Analytical solutions for flow fields near continuous wall reactive barriers. <i>Journal of Contaminant Hydrology</i> , 2008, 98, 1-14.	1.6	19
11	Concepts for measuring horizontal groundwater flow directions using the passive flux meter. <i>Advances in Water Resources</i> , 2007, 30, 984-997.	1.7	14
12	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
13	General analytical treatment of the flow field relevant to the interpretation of passive fluxmeter measurements. <i>Water Resources Research</i> , 2007, 43, .	1.7	13
14	Effect of injection screen slot geometry on hydraulic conductivity tests. <i>Journal of Hydrology</i> , 2014, 511, 190-198.	2.3	13
15	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
16	A semi-analytical model for predicting water quality from an aquifer storage and recovery system. <i>Journal of Hydrology</i> , 2006, 329, 403-412.	2.3	12
17	Analytical Solutions for Flow Fields near Drainâ€”Gate Reactive Barriers. <i>Ground Water</i> , 2010, 48, 427-437.	0.7	12
18	Analytical solutions for the flow fields near funnelâ€”gate reactive barriers with hydraulic losses. <i>Water Resources Research</i> , 2009, 45, .	1.7	12

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19	Contaminant discharge and uncertainty estimates from passive flux meter measurements. <i>Water Resources Research</i> , 2012, 48, .	1.7	12
20	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
21	A trigonometric interpolation approach to mixed-type boundary problems associated with permeability shape factors. <i>Water Resources Research</i> , 2011, 47, .	1.7	10
22	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
23	Local Storage Dynamics of Individual Wetlands Predict Wetlandscape Discharge. <i>Water Resources Research</i> , 2020, 56, e2020WR027581.	1.7	9
24	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
25	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
26	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
27	Regional groundwater flow model for Abu Dhabi Emirate: scenario-based investigation. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	8
28	Decadal scale recharge-discharge time lags from aquifer freshwater-saltwater interactions. <i>Journal of Hydrology</i> , 2020, 582, 124514.	2.3	8
29	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
30	Approximate up-scaling of geo-spatial variables applied to deep foundation design. <i>Georisk</i> , 2011, 5, 163-172.	2.6	6
31	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
32	Capture and release zones of permeable reactive barriers under the influence of advective-dispersive transport in the aquifer. <i>Advances in Water Resources</i> , 2014, 69, 79-94.	1.7	6
33	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
34	Insights From Unsteady Flow Analysis of Underdamped Slug Tests in Fractured Rock. <i>Water Resources Research</i> , 2018, 54, 5825-5840.	1.7	6
35	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
36	Initial Test Results for a Passive Surface Water Fluxmeter to Measure Cumulative Water and Solute Mass Fluxes. <i>Environmental Science & Technology</i> , 2007, 41, 2485-2490.	4.6	5

#	ARTICLE	IF	CITATIONS
37	Modeling Micro- and Nano-Bubble Stability and Treatment Mechanisms in Batch Reactors. Journal of Environmental Engineering, ASCE, 2020, 146, 04020079.	0.7	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.	0.8	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.	1.5	3
41	Probabilistic bearing serviceability of drilled shafts in randomly stratified rock using a geostatistical perturbation method. Structural Safety, 2016, 63, 59-70.	2.8	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.	2.3	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- \hat{q}_t 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.	1.2	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 & Água, 2019, 14, 1.	0.1	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