

Hartmut Holländer

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

367
citations

1040056

9
h-index

839539

18
g-index

37
all docs

37
docs citations

37
times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative predictions of discharge from an artificial catchment (Chicken Creek) using sparse data. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 2069-2094.	4.9	97
2	Patterns and processes of initial terrestrial ecosystem development. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 229-239.	1.9	61
3	A concept for managed aquifer recharge using ASR-wells for sustainable use of groundwater resources in an alluvial coastal aquifer in Eastern India. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 270-278.	2.9	32
4	Impact of modellers' decisions on hydrological a priori predictions. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 2065-2085.	4.9	25
5	Sensitivity analysis and optimum design of a hydronic snow melting system during snowfall. <i>Physics and Chemistry of the Earth</i> , 2019, 113, 31-42.	2.9	17
6	Integrated water resource management in a major canal command in eastern India. <i>Hydrological Processes</i> , 2011, 25, 2551-2562.	2.6	13
7	Improved Recharge Estimation from Portable, Low-Cost Weather Stations. <i>Ground Water</i> , 2016, 54, 243-254.	1.3	12
8	Comparison of solute/heat transport in fractured formations using discrete fracture and equivalent porous media modeling at the reservoir scale. <i>Physics and Chemistry of the Earth</i> , 2019, 113, 14-21.	2.9	12
9	Evaluation of an integrated sewage pipe with ground heat exchanger for long-term efficiency estimation. <i>Geothermics</i> , 2020, 86, 101796.	3.4	12
10	Sustainability, climate resiliency, and mitigation capacity of geothermal heat pump systems in cold regions. <i>Geothermics</i> , 2021, 91, 101979.	3.4	11
11	Regionalisation of nitrate leaching on pasture land in Southern Manitoba. <i>Agricultural Water Management</i> , 2019, 222, 286-300.	5.6	10
12	Isotopic and geochemical indicators for groundwater flow and multi-component mixing near disturbed salt anticlines. <i>Chemical Geology</i> , 2012, 294-295, 226-242.	3.3	7
13	Sustainability of rice-dominated cropping system in the Hiraikud canal command, Orissa, India. <i>Irrigation and Drainage</i> , 2008, 57, 93-104.	1.7	5
14	Fractionation of hydrogen and oxygen in artificial sea ice with corrections for salinity for determining meteorological water content in bulk ice samples. <i>Cold Regions Science and Technology</i> , 2017, 142, 93-99.	3.5	5
15	Energy performance of below-grade envelope of an institutional building in cold regions. <i>Journal of Building Engineering</i> , 2020, 27, 100911.	3.4	5
16	Estimating groundwater recharge in the assiniboine delta aquifer using HYDRUS-1D. <i>Agricultural Water Management</i> , 2022, 267, 107514.	5.6	5
17	Numerical simulation of flow heterogeneities within a real rough fracture and its transmissivity. <i>Energy Procedia</i> , 2017, 125, 353-362.	1.8	4
18	Application of geochemical and groundwater data to predict sinkhole formation in a gypsum formation in Manitoba, Canada. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	4

#	ARTICLE	IF	CITATIONS
19	Feasibility of low-temperature geothermal systems: Considerations of thermal anomalies, geochemistry, and local assets. <i>Applied Energy</i> , 2020, 275, 115412.	10.1	4
20	Elasticâ€“Plastic Fracture Propagation Modeling in Rock Fracturing via Punch Through Shear Test. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 3135-3147.	5.4	4
21	Porosity Measurement of Low Permeable Materials Using Gas Expansion Induced Water Intrusion Porosimetry (GEIWIP). <i>Scientific Reports</i> , 2019, 9, 17554.	3.3	3
22	Hydrogeological investigation of soil salinity adjacent to a flood protection infrastructure. <i>Environmental Earth Sciences</i> , 2021, 80, .	2.7	2
23	Evaluation of NaCl and MgCl ₂ heat exchange fluids in a deep binary geothermal system in a sedimentary halite formation. <i>Geothermal Energy</i> , 2021, 9, .	1.9	2
24	Feasibility of thermal load control from electrochromic windows for ground coupled heat pump optimization. <i>Journal of Building Engineering</i> , 2021, 40, 102339.	3.4	2
25	An experimental and numerical study of evaporite mineral dissolution and density-driven flow in porous media. <i>Journal of Hydrology</i> , 2021, 596, 125695.	5.4	1
26	Effects of salinity and water content on apparent conductivity in an alluvial setting in the Canadian Prairies. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	1
27	The Long-Term Mitigating Effect of Horizontal Ground-Source Heat Exchangers on Permafrost Thaw Settlement. <i>Processes</i> , 2021, 9, 1636.	2.8	1
28	Groundwater Recharge Estimation using Physical-Based Modeling., 2017, , 3-30.		0
29	In-situ immobilization of arsenic in the subsurface on an anthropogenic contaminated site. <i>Arsenic in the Environment</i> , 2014, , 145-159.	0.0	0
30	Themenheft â€“Hydrogeologie der Festgesteineâ€œ. <i>Grundwasser</i> , 2022, 27, 1-2.	1.4	0