

Georg J Houben

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

724
citations

516215

16
h-index

552369

26
g-index

37
all docs

37
docs citations

37
times ranked

555
citing authors

#	ARTICLE	IF	CITATIONS
1	Experiments and modeling of freshwater lenses in layered aquifers: Steady state interface geometry. <i>Journal of Hydrology</i> , 2014, 509, 621-630.	2.3	60
2	The influence of heterogeneity on coastal groundwater flow - physical and numerical modeling of fringing reefs, dykes and structured conductivity fields. <i>Advances in Water Resources</i> , 2018, 113, 155-166.	1.7	60
3	Density-driven vertical transport of saltwater through the freshwater lens on the island of Baltrum (Germany) following the 1962 storm flood. <i>Journal of Hydrology</i> , 2017, 551, 689-702.	2.3	58
4	Freshwater lenses as archive of climate, groundwater recharge, and hydrochemical evolution: Insights from depth-specific water isotope analysis and age determination on the island of Langeland, Germany. <i>Water Resources Research</i> , 2014, 50, 8227-8239.	1.7	54
5	Review: Hydraulics of water wells – flow laws and influence of geometry. <i>Hydrogeology Journal</i> , 2015, 23, 1633-1657.	0.9	50
6	Review: Hydraulics of water wells – head losses of individual components. <i>Hydrogeology Journal</i> , 2015, 23, 1659-1675.	0.9	42
7	Terrestrial sedimentary pyrites as a potential source of trace metal release to groundwater – A case study from the Emsland, Germany. <i>Applied Geochemistry</i> , 2017, 76, 99-111.	1.4	39
8	Hydrogeology of the Kabul Basin (Afghanistan), part II: groundwater geochemistry. <i>Hydrogeology Journal</i> , 2009, 17, 935-948.	0.9	37
9	Hydrogeology of the Kabul Basin (Afghanistan), part I: aquifers and hydrology. <i>Hydrogeology Journal</i> , 2009, 17, 665-677.	0.9	37
10	What is the Ghijben-Herzberg principle and who formulated it?. <i>Hydrogeology Journal</i> , 2018, 26, 1801-1807.	0.9	29
11	Modeling the Buildup of Iron Oxide Encrustations in Wells. <i>Ground Water</i> , 2004, 42, 78-82.	0.7	27
12	Spatial Distribution of Incrustations around a Water Well after 38 Years of Use. <i>Ground Water</i> , 2010, 48, 53-58.	0.7	25
13	Experiments and modeling of flow processes in freshwater lenses in layered island aquifers: Analysis of age stratification, travel times and interface propagation. <i>Journal of Hydrology</i> , 2015, 529, 159-168.	2.3	24
14	The Influence of Well Hydraulics on the Spatial Distribution of Well Incrustations. <i>Ground Water</i> , 2006, 44, 060516082004004-???	0.7	21
15	Numerical Modeling of the Near-Field Hydraulics of Water Wells. <i>Ground Water</i> , 2011, 49, 570-575.	0.7	20
16	Annotated translation of – Die Wasserversorgung einiger Nordseebäder [The water supply of some North Sea spas] – by Alexander Herzberg (1901). <i>Hydrogeology Journal</i> , 2018, 26, 1789-1799.	0.9	20
17	How appropriate is the Thiem equation for describing groundwater flow to actual wells?. <i>Hydrogeology Journal</i> , 2016, 24, 2093-2101.	0.9	15
18	Effects of ageing on the hydraulics of water wells and the influence of non-Darcy flow. <i>Hydrogeology Journal</i> , 2018, 26, 1285-1294.	0.9	13

#	ARTICLE	IF	CITATIONS
19	Analysis of Wellbore Skin Samples – Typology, Composition, and Hydraulic Properties. <i>Ground Water</i> , 2016, 54, 634-645.	0.7	12
20	The freshwater lens of Benjamín Aceval, Chaco, Paraguay: a terrestrial analogue of an oceanic island lens. <i>Hydrogeology Journal</i> , 2014, 22, 1935-1952.	0.9	10
21	Behaviour of Tritium and Tritogenic Helium in Freshwater Lens Groundwater Systems: Insights from Langeoog Island, Germany. <i>Geofluids</i> , 2019, 2019, 1-16.	0.3	9
22	Die versalzene Suppe – wer läßt sie aus? <i>Grundwasser</i> , 2015, 20, 1-1.	1.4	1
23	Stacked megafans of the Kalahari Basin as archives of paleogeography, river capture, and Cenozoic paleoclimate of southwestern Africa. <i>Journal of Sedimentary Research</i> , 2020, 90, 980-1010.	0.8	8
24	Comparison of depth-specific groundwater sampling methods and their influence on hydrochemistry, isotopy and dissolved gases – Experiences from the Fuhrberger Feld, Germany. <i>Journal of Hydrology</i> , 2018, 557, 182-196.	2.3	7
25	Horizontal and radial collector wells: simple tools for a complex problem. <i>Hydrogeology Journal</i> , 2020, 28, 1925-1935.	0.9	6
26	Estimation of groundwater recharge rates using soil-water isotope profiles: a case study of two contrasting dune types on Langeoog Island, Germany. <i>Hydrogeology Journal</i> , 2022, 30, 797-812.	0.9	6
27	The impact of high-intensity no-till agriculture on groundwater quality in the subtropical Capiibary catchment, SE Paraguay. <i>Environmental Earth Sciences</i> , 2015, 74, 479-491.	1.3	4
28	Teaching about groundwater in primary schools: experience from Paraguay. <i>Hydrogeology Journal</i> , 2019, 27, 513-518.	0.9	4
29	On the Propagation of Reaction Fronts in a Sandy Aquifer Over 20+ Years: Lessons From a Test Site in Northwestern Germany. <i>Water Resources Research</i> , 2021, 57, e2020WR028706.	1.7	4
30	Investigation of the source of acidification in an aquifer in Northern Germany. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	3
31	Step-drawdown tests: linear and nonlinear head loss components. <i>Hydrogeology Journal</i> , 2022, 30, 1315-1326.	0.9	2
32	300 years of coastal salinization research in Germany – the Homann (1718) map of the Christmas Flood of 1717. <i>E3S Web of Conferences</i> , 2018, 54, 00011.	0.2	1