

Ilka Wallis

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

486
citations

932766

10
h-index

676716

22
g-index

28
all docs

28
docs citations

28
times ranked

541
citing authors

#	ARTICLE	IF	CITATIONS
1	The riverâ€™groundwater interface as a hotspot for arsenic release. <i>Nature Geoscience</i> , 2020, 13, 288-295.	5.4	104
2	Process-Based Reactive Transport Model To Quantify Arsenic Mobility during Aquifer Storage and Recovery of Potable Water. <i>Environmental Science & Technology</i> , 2011, 45, 6924-6931.	4.6	90
3	Evaluation of Conceptual and Numerical Models for Arsenic Mobilization and Attenuation during Managed Aquifer Recharge. <i>Environmental Science & Technology</i> , 2010, 44, 5035-5041.	4.6	63
4	Assessing the extent of induced leakage to an urban aquifer using environmental tracers: an example from Bishkek, capital of Kyrgyzstan, Central Asia. <i>Hydrogeology Journal</i> , 2006, 14, 225-243.	0.9	37
5	Effectiveness of the Nitrate Sensitive Areas Scheme in reducing groundwater concentrations in England. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2005, 38, 117-127.	0.8	28
6	Using environmental tracers to assess the extent of riverâ€™groundwater interaction in a quarried area of the English Chalk. <i>Applied Geochemistry</i> , 2010, 25, 923-932.	1.4	18
7	Generating false negatives and false positives for As and Mo concentrations in groundwater due to well installation. <i>Science of the Total Environment</i> , 2018, 631-632, 723-732.	3.9	16
8	Hydrogeochemical transport modeling of the infiltration of tertiary treated wastewater in a dune area, Belgium. <i>Hydrogeology Journal</i> , 2013, 21, 1307-1321.	0.9	14
9	Using predictive uncertainty analysis to optimise tracer test design and data acquisition. <i>Journal of Hydrology</i> , 2014, 515, 191-204.	2.3	13
10	Simulating MODFLOWâ€™Based Reactive Transport Under Radially Symmetric Flow Conditions. <i>Ground Water</i> , 2013, 51, 398-413.	0.7	12
11	Autoflocculation of microalgae, via magnesium hydroxide precipitation, in a high rate algal pond treating municipal wastewater in the South Australian Riverland. <i>Algal Research</i> , 2021, 59, 102418.	2.4	12
12	Reactive transport modelling of groundwater-bentonite interaction: Effects on exchangeable cations in an alternative buffer material in-situ test. <i>Applied Geochemistry</i> , 2016, 73, 59-69.	1.4	11
13	Southern South Australian groundwater microbe diversity. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	9
14	<i>Juncus sarophorus</i> , a native Australian species, tolerates and accumulates PFOS, PFOA and PFHxS in a glasshouse experiment. <i>Science of the Total Environment</i> , 2022, 826, 154184.	3.9	9
15	Spatiotemporal evolution of iron and sulfate concentrations during riverbank filtration: Field observations and reactive transport modeling. <i>Journal of Contaminant Hydrology</i> , 2020, 234, 103697.	1.6	8
16	Palaeohydrogeology and Transport Parameters Derived from ⁴ He and Cl Profiles in Aquitard Pore Waters in a Large Multilayer Aquifer System, Central Australia. <i>Geofluids</i> , 2017, 2017, 1-17.	0.3	7
17	Salinity balance and historical flushing quantified in a high-rainfall catchment (Mount Lofty Ranges, Tj ETQq1 1 0.784314 rgBT /Overloc	0.9	6
18	Trace metal behavior during in-situ iron removal tests in Leuven, Belgium. <i>Science of the Total Environment</i> , 2019, 648, 367-376.	3.9	5

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19	Structural influence on plume migration from a tailings dam in the West Rand, Republic of South Africa. Geological Society Special Publication, 2002, 198, 337-346.	0.8	4
20	A groundwater salinity hotspot and its connection to an intermittent stream identified by environmental tracers (Mt Lofty Ranges, South Australia). Hydrogeology Journal, 2017, 25, 2435-2451.	0.9	4
21	Investigation into the Cause of Iron-Related Clogging of Groundwater Bores Used for Viticulture in the Limestone Coast, South Australia. Water (Switzerland), 2021, 13, 683.	1.2	4
22	Facilitating Open Pit Mine Closure with Managed Aquifer Recharge. Ground Water, 2022, 60, 477-487.	0.7	4
23	Catchment-scale groundwater-flow and recharge paradox revealed from base flow analysis during the Australian Millennium Drought (Mt Lofty Ranges, South Australia). Hydrogeology Journal, 2021, 29, 963-983.	0.9	3
24	Corrigendum to "Palaeohydrogeology and Transport Parameters Derived from ⁴ He and Cl Profiles in Aquitard Pore Waters in a Large Multilayer Aquifer System, Central Australia" Geofluids, 2018, 2018, 1-1.	0.3	2
25	Groundwater-level recovery following closure of open-pit mines. Hydrogeology Journal, 2022, 30, 1819-1832.	0.9	2
26	Numerical modeling of arsenic mobility. Arsenic in the Environment, 2014, , 35-52.	0.0	0
27	Advect As challenge: multidisciplinary research on groundwater arsenic dissolution, transport, and retardation under advective flow conditions. , 2019, , 29-31.		0