# Ilka Wallis

List of Publications by Year
in descending order



| 27 | 486 | 933447 10 | 677142 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 28 | 28 | 28 | 541 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Facilitating Open Pit Mine Closure with Managed Aquifer Recharge. Ground Water, 2022, 60, 477-487. | 1.3 | 4 |
| 2 | Juncus sarophorus, a native Australian species, tolerates and accumulates PFOS, PFOA and PFHxS in a glasshouse experiment. Science of the Total Environment, 2022, 826, 154184. | 8.0 | 9 |
| 3 | Groundwater-level recovery following closure of open-pit mines. Hydrogeology Journal, 2022, 30, 1819-1832. | 2.1 | 2 |
| 4 | 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. | 2.1 | 3 |
| 5 | 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. | 2.7 | 4 |
| 6 | Autoflocculation of microalgae, via magnesium hydroxide precipitation, in a high rate algal pond treating municipal wastewater in the South Australian Riverland. Algal Research, 2021, 59, 102418. | 4.6 | 12 |
| 7 | Spatiotemporal evolution of iron and sulfate concentrations during riverbank filtration: Field observations and reactive transport modeling. Journal of Contaminant Hydrology, 2020, 234, 103697. | 3.3 | 8 |
| 8 | The riverâ€“groundwater interface as a hotspot for arsenic release. Nature Geoscience, 2020, 13, 288-295. | 12.9 | 104 |
| 9 | Trace metal behavior during in-situ iron removal tests in Leuven, Belgium. Science of the Total Environment, 2019, 648, 367-376. | 8.0 | 5 |
| 10 | Salinity balance and historical flushing quantified in a high-rainfall catchment (Mount Lofty Ranges,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.1 | 6 |
| 11 | Advect As challenge: multidisciplinary research on groundwater arsenic dissolution, transport, and retardation under advective flow conditions. , 2019, , 29-31. | | 0 |
| 12 | Generating false negatives and false positives for As and Mo concentrations in groundwater due to well installation. Science of the Total Environment, 2018, 631-632, 723-732. | 8.0 | 16 |
| 13 | Corrigendum to â€œPalaeohydrogeology and Transport Parameters Derived from <sup>4</sup>He and Cl Profiles in Aquitard Pore Waters in a Large Multilayer Aquifer System, Central Australiaâ€• Geofluids, 2018, 2018, 1-1. | 0.7 | 2 |
| 14 | Southern South Australian groundwater microbe diversity. FEMS Microbiology Ecology, 2018, 94, . | 2.7 | 9 |
| 15 | 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. | 2.1 | 4 |
| 16 | Palaeohydrogeology and Transport Parameters Derived from <sup>4</sup>He and Cl Profiles in Aquitard Pore Waters in a Large Multilayer Aquifer System, Central Australia. Geofluids, 2017, 2017, 1-17. | 0.7 | 7 |
| 17 | Reactive transport modelling of groundwater-bentonite interaction: Effects on exchangeable cations in an alternative buffer material in-situ test. Applied Geochemistry, 2016, 73, 59-69. | 3.0 | 11 |
| 18 | Using predictive uncertainty analysis to optimise tracer test design and data acquisition. Journal of Hydrology, 2014, 515, 191-204. | 5.4 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Numerical modeling of arsenic mobility. Arsenic in the Environment, 2014, , 35-52. | 0.0 | 0 |
| 20 | Simulating MODFLOWâ€Based Reactive Transport Under Radially Symmetric Flow Conditions. Ground Water, 2013, 51, 398-413. | 1.3 | 12 |
| 21 | Hydrogeochemical transport modeling of the infiltration of tertiary treated wastewater in a dune area, Belgium. Hydrogeology Journal, 2013, 21, 1307-1321. | 2.1 | 14 |
| 22 | Process-Based Reactive Transport Model To Quantify Arsenic Mobility during Aquifer Storage and Recovery of Potable Water. Environmental Science & Technology, 2011, 45, 6924-6931. | 10.0 | 90 |
| 23 | Evaluation of Conceptual and Numerical Models for Arsenic Mobilization and Attenuation during Managed Aquifer Recharge. Environmental Science & Technology, 2010, 44, 5035-5041. | 10.0 | 63 |
| 24 | Using environmental tracers to assess the extent of riverâ€“groundwater interaction in a quarried area of the English Chalk. Applied Geochemistry, 2010, 25, 923-932. | 3.0 | 18 |
| 25 | Assessing the extent of induced leakage to an urban aquifer using environmental tracers: an example from Bishkek, capital of Kyrgyzstan, Central Asia. Hydrogeology Journal, 2006, 14, 225-243. | 2.1 | 37 |
| 26 | Effectiveness of the Nitrate Sensitive Areas Scheme in reducing groundwater concentrations in England. Quarterly Journal of Engineering Geology and Hydrogeology, 2005, 38, 117-127. | 1.4 | 28 |
| 27 | 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. | 1.3 | 4 |