SÃ¸ren Jessen

List of Publications by Year
in descending order

32 papers	1,056 citations	567281 15 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	1186 citing authors

#	Article	IF	Citations
1	Arsenic in groundwater of the Red River floodplain, Vietnam: Controlling geochemical processes and reactive transport modeling. Geochimica Et Cosmochimica Acta, 2007, 71, 5054-5071.	3.9	340
2	Mobilization of arsenic and iron from Red River floodplain sediments, Vietnam. Geochimica Et Cosmochimica Acta, 2010, 74, 3367-3381.	3.9	119
3	Adsorption and desorption of arsenic to aquifer sediment on the Red River floodplain at Nam Du, Vietnam. Geochimica Et Cosmochimica Acta, 2014, 142, 587-600.	3.9	74
4	Controlling geological and hydrogeological processes in an arsenic contaminated aquifer on the Red River flood plain, Vietnam. Applied Geochemistry, 2008, 23, 3099-3115.	3.0	60
5	Surface complexation modeling of groundwater arsenic mobility: Results of a forced gradient experiment in a Red River flood plain aquifer, Vietnam. Geochimica Et Cosmochimica Acta, 2012, 98, 186-201.	3.9	52
6	Hydrology and pore water chemistry in a permafrost wetland, Ilulissat, Greenland. Water Resources Research, 2014, 50, 4760-4774.	4.2	38
7	Decadal variations in groundwater quality: A legacy from nitrate leaching and denitrification by pyrite in a sandy aquifer. Water Resources Research, 2017, 53, 184-198.	4.2	38
8	Shallow retardation of the strontium isotope signal of agricultural liming - implications for isoscapes used in provenance studies. Science of the Total Environment, 2020, 706, 135710.	8.0	37
9	Palaeo-hydrogeological control on groundwater As levels in Red River delta, Vietnam. Applied Geochemistry, 2008, 23, 3116-3126.	3.0	36
10	The link between surface water and groundwater-based drinking water â€“ strontium isotope spatial distribution patterns and their relationships to Danish sediments. Applied Geochemistry, 2020, 121, 104698.	3.0	29
11	Groundwaterâ€controlled phosphorus release and transport from sandy aquifer into lake. Limnology and Oceanography, 2020, 65, 2188-2204.	3.1	26
12	Hydrogen Thresholds and Steady-State Concentrations Associated with Microbial Arsenate Respiration. Environmental Science & Technology, 2007, 41, 2311-2317.	10.0	21
13	Spatio-temporal variations of shallow and deep well groundwater nitrate concentrations along the Indus River floodplain aquifer in Pakistan. Environmental Pollution, 2019, 253, 384-392.	7.5	18
14	Sub-permafrost methane seepage from open-system pingos in Svalbard. Cryosphere, 2020, 14, 3829-3842.	3.9	18
15	Dissolved Inorganic Geogenic Phosphorus Load to a Groundwater-Fed Lake: Implications of Terrestrial Phosphorus Cycling by Groundwater. Water (Switzerland), 2019, 11, 2213.	2.7	16
16	Spatiotemporal variation of stable isotopic composition in precipitation: Postâ€condensational effects in a humid area. Hydrological Processes, 2017, 31, 3146-3159.	2.6	15
17	Role of Groundwater-Borne Geogenic Phosphorus for the Internal P Release in Shallow Lakes. Water (Switzerland), 2019, 11, 1783.	2.7	13
18	Application of Stable Isotopes of Water to Study Coupled Submarine Groundwater Discharge and Nutrient Delivery. Water (Switzerland), 2019, 11, 1842.	2.7	13

#	ARTICLE	IF	CITATIONS
19	Inorganic carbon fluxes across the vadose zone of planted and unplanted soil mesocosms. Biogeosciences, 2014, 11, 7179-7192.	3.3	12
20	Assessing seasonal flow dynamics at a lagoon saltwaterâ€“freshwater interface using a dual tracer approach. Journal of Hydrology: Regional Studies, 2018, 17, 24-35.	2.4	12
21	Effects of Lime and Concrete Waste on Vadose Zone Carbon Cycling. Vadose Zone Journal, 2014, 13, 1-11.	2.2	10
22	Riparian Lowlands in Clay Till Landscapes: Part Iâ€”Heterogeneity of Flow Paths and Water Balances. Water Resources Research, 2020, 56, e2019WR025808.	4.2	9
23	Numerical modelling of permafrost spring discharge and open-system pingo formation induced by basal permafrost aggradation. Cryosphere, 2020, 14, 4627-4651.	3.9	9
24	The Role of Management of Streamâ€“Riparian Zones on Subsurfaceâ€“Surface Flow Components. Water (Switzerland), 2019, 11, 1905.	2.7	8
25	Nitrogenâ€Loads to Streams: Importance of Bypass Flow and Nitrate Removal Processes. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006111.	3.0	8
26	Technical Note: Mesocosm approach to quantify dissolved inorganic carbon percolation fluxes. Biogeosciences, 2014, 11, 1077-1084.	3.3	5
27	Groundwater transport of Cu in laterites in Zambia. Applied Geochemistry, 2015, 56, 94-102.	3.0	4
28	Model-based interpretation of hydrogeochemistry and arsenic mobility in a low-enthalpy hydrothermal system. Journal of Geochemical Exploration, 2020, 214, 106534.	3.2	4
29	Riparian Lowlands in Clay Till Landscapes Part II: Nitrogen Reduction and Release Along Variable Flow Paths. Water Resources Research, 2020, 56, e2019WR025810.	4.2	3
30	Early historical forest clearance caused major degradation of water quality at Lake VÃ¦ng, Denmark. Anthropocene, 2021, 35, 100302.	3.3	2
31	Analysis of oxygen isotopes of inorganic phosphate (Î´18Op) in freshwater: A detailed method description for obtaining oxygen isotopes of inorganic phosphate in environmental water samples. MethodsX, 2022, 9, 101706.	1.6	2
32	Simulation of Density and Flow Dynamics in a Lagoon Aquifer Environment and Implications for Nutrient Delivery From Land to Sea. Frontiers in Water, 2021, 3, .	2.3	1