

Erik J Oerter

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

658
citations

759233

12
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

855
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen isotope fractionation effects in soil water via interaction with cations (Mg, Ca, K, Na) adsorbed to phyllosilicate clay minerals. <i>Journal of Hydrology</i> , 2014, 515, 1-9.	5.4	128
2	In situ monitoring of H and O stable isotopes in soil water reveals ecohydrologic dynamics in managed soil systems. <i>Ecohydrology</i> , 2017, 10, e1841.	2.4	84
3	Inferring the source of evaporated waters using stable H and O isotopes. <i>Oecologia</i> , 2018, 187, 1025-1039.	2.0	82
4	Spatio-temporal heterogeneity in soil water stable isotopic composition and its ecohydrologic implications in semiarid ecosystems. <i>Hydrological Processes</i> , 2019, 33, 1724-1738.	2.6	65
5	Soil water vapour isotopes identify missing water source for streamside trees. <i>Ecohydrology</i> , 2019, 12, e2083.	2.4	43
6	Membrane inlet laser spectroscopy to measure H and O stable isotope compositions of soil and sediment pore water with high sample throughput. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 75-84.	1.5	32
7	Pedothem carbonates reveal anomalous North American atmospheric circulation 70,000±55,000 years ago. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 919-924.	7.1	27
8	Climate controls on spatial and temporal variations in the formation of pedogenic carbonate in the western Great Basin of North America. <i>Bulletin of the Geological Society of America</i> , 2016, 128, 1095-1104.	3.3	25
9	Early to Middle Miocene climate in the Atacama Desert of Northern Chile. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 441, 890-900.	2.3	18
10	Hydrogen and oxygen stable isotope signatures of goethite hydration waters by thermogravimetry-enabled laser spectroscopy. <i>Chemical Geology</i> , 2017, 475, 14-23.	3.3	17
11	Spatiotemporal variability in water sources of urban soils and trees in the semiarid, irrigated Salt Lake Valley. <i>Ecohydrology</i> , 2019, 12, e2154.	2.4	17
12	Relict soil evidence for profound quaternary aridification of the Atacama Desert, Chile. <i>Geoderma</i> , 2016, 267, 196-206.	5.1	13
13	Active microbial biomass decreases, but microbial growth potential remains similar across soil depth profiles under deeply-vs. shallow-rooted plants. <i>Soil Biology and Biochemistry</i> , 2021, 162, 108401.	8.8	13
14	Hydrogen and oxygen stable isotope composition of water in metaschoepite mineralization on U3O8. <i>Applied Geochemistry</i> , 2020, 112, 104469.	3.0	12
15	Hydrogen and oxygen stable isotope dynamics of hyper-saline and salt-saturated aqueous solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 238, 316-328.	3.9	11
16	Fractionation of Oxygen Isotopes in Uranium Oxides during Peroxide Precipitation and Dry Air Calcination. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1622-1630.	2.7	9
17	Every apple has a voice: using stable isotopes to teach about food sourcing and the water cycle. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3799-3810.	4.9	8
18	Stable isotope signatures of hydration water in secondary mineralization on UO2. <i>Talanta</i> , 2021, 226, 122096.	5.5	8

#	ARTICLE	IF	CITATIONS
19	A method for quantitative pyrite abundance in mine rock piles by powder X-ray diffraction and Rietveld refinement. <i>Applied Geochemistry</i> , 2007, 22, 2907-2925.	3.0	7
20	Greenhouse Gas Production and Transport in Desert Soils of the Southwestern United States. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1703-1717.	4.9	7
21	Water vapor exposure chamber for constant humidity and hydrogen and oxygen stable isotope composition. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 89-96.	1.5	7
22	Vegetation water sources in California's Sierra Nevada (USA) are young and change over time, a multi-isotope ($\delta^{18}O$, δ^2H , δ^3H) tracer approach.. <i>Hydrological Processes</i> , 2021, 35, e14249.	2.6	7
23	Oxygen Isotope Fractionation in $U^{3+}O_8$ during Thermal Processing in Humid Atmospheres. <i>ACS Omega</i> , 2022, 7, 3462-3469.	3.5	7
24	Oxygen Kinetic Isotope Effects in the Thermal Decomposition and Reduction of Ammonium Diuranate. <i>ACS Omega</i> , 2021, 6, 30856-30864.	3.5	6
25	Hydraulic redistribution by deeply rooted grasses and its ecohydrologic implications in the southern Great Plains of North America. <i>Hydrological Processes</i> , 2021, 35, e14366.	2.6	5
26	EXPLORING PHYSICAL AND BIOLOGICAL CONNECTIONS USING ISOMAP. , 2016, , .		0