

John N Christensen

List of Publications by Year in descending order

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50
papers

2,968
citations

147801

31
h-index

197818

49
g-index

53
all docs

53
docs citations

53
times ranked

3088
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Multiple Collector-ICPMS to Cosmochemistry, Geochemistry, and Paleoceanography. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 919-940.	3.9	256
2	Kinetic isotopic fractionation during diffusion of ionic species in water. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 277-289.	3.9	191
3	Sediment transport time measured with U-series isotopes: Results from ODP North Atlantic drift site 984. <i>Earth and Planetary Science Letters</i> , 2006, 248, 394-410.	4.4	150
4	In situ Sr isotopic analysis by laser ablation. <i>Earth and Planetary Science Letters</i> , 1995, 136, 79-85.	4.4	133
5	Correlation by Rb-Sr geochronology of garnet growth histories from different structural levels within the Tauern Window, Eastern Alps. <i>Contributions To Mineralogy and Petrology</i> , 1994, 118, 1-12.	3.1	125
6	Time scales of large volume silicic magma systems: Sr isotopic systematics of phenocrysts and glass from the Bishop Tuff, Long Valley, California. <i>Contributions To Mineralogy and Petrology</i> , 1993, 113, 100-114.	3.1	124
7	Direct dating of sulfides by Rb-Sr: A critical test using the Polaris Mississippi Valley-type Zn-Pb deposit. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 5191-5197.	3.9	103
8	Eruptive history and petrologic evolution of the Albano multiple maar (Alban Hills, Central Italy). <i>Bulletin of Volcanology</i> , 2006, 68, 567-591.	3.0	101
9	Isotopic mass dependence of metal cation diffusion coefficients in liquid water. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2249-2256.	3.9	101
10	Water Table Dynamics and Biogeochemical Cycling in a Shallow, Variably-Saturated Floodplain. <i>Environmental Science & Technology</i> , 2017, 51, 3307-3317.	10.0	100
11	Time-dependent geochemistry of clinopyroxene from the Alban Hills (Central Italy): Clues to the source and evolution of ultrapotassic magmas. <i>Lithos</i> , 2006, 86, 330-346.	1.4	97
12	U-Sr isotopic speedometer: Fluid flow and chemical weathering rates in aquifers. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4417-4435.	3.9	96
13	Hafnium Isotope Stratigraphy of Ferromanganese Crusts. <i>Science</i> , 1999, 285, 1052-1054.	12.6	95
14	In Situ Long-Term Reductive Bioimmobilization of Cr(VI) in Groundwater Using Hydrogen Release Compound. <i>Environmental Science & Technology</i> , 2008, 42, 8478-8485.	10.0	86
15	Pb Isotopes as an Indicator of the Asian Contribution to Particulate Air Pollution in Urban California. <i>Environmental Science & Technology</i> , 2010, 44, 8911-8916.	10.0	79
16	Indium and tin in basalts, sulfides, and the mantle. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 5081-5090.	3.9	76
17	Uranium isotope fractionation by abiotic reductive precipitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8688-8693.	7.1	76
18	Actual timing of neodymium isotopic variations recorded by FeMn crusts in the western North Atlantic. <i>Earth and Planetary Science Letters</i> , 1999, 171, 149-156.	4.4	72

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19	Testing models of large-scale crustal fluid flow using direct dating of sulfides; Rb-Sr evidence for early dewatering and formation of mississippi valley-type deposits, Canning Basin, Australia. <i>Economic Geology</i> , 1995, 90, 877-884.	3.8	66
20	Changes in erosion and ocean circulation recorded in the Hf isotopic compositions of North Atlantic and Indian Ocean ferromanganese crusts. <i>Earth and Planetary Science Letters</i> , 2000, 181, 315-325.	4.4	65
21	Laboratory experiments bearing on the origin and evolution of olivine-rich chondrules. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1152-1178.	1.6	59
22	Uranium comminution ages: Sediment transport and deposition time scales. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 678-687.	1.2	58
23	Uranium-series comminution ages of continental sediments: Case study of a Pleistocene alluvial fan. <i>Earth and Planetary Science Letters</i> , 2010, 296, 244-254.	4.4	57
24	Differential Isotopic Fractionation during Cr(VI) Reduction by an Aquifer-Derived Bacterium under Aerobic versus Denitrifying Conditions. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2462-2464.	3.1	57
25	RbSr ages and Nd isotopic compositions of melt inclusions from the Bishop Tuff and the generation of silicic magma. <i>Earth and Planetary Science Letters</i> , 1996, 144, 547-561.	4.4	52
26	A Chinese Imprint in Insoluble Pollutants Recently Deposited in Central Greenland As Indicated by Lead Isotopes. <i>Environmental Science & Technology</i> , 2014, 48, 1451-1457.	10.0	52
27	Isotopic and Geochemical Tracers for U(VI) Reduction and U Mobility at an in Situ Recovery U Mine. <i>Environmental Science & Technology</i> , 2015, 49, 5939-5947.	10.0	47
28	Identifying the Sources of Subsurface Contamination at the Hanford Site in Washington using High-Precision Uranium Isotopic Measurements. <i>Environmental Science & Technology</i> , 2004, 38, 3330-3337.	10.0	46
29	Isotope fractionation of Li and K in silicate liquids by Soret diffusion. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 138, 136-145.	3.9	45
30	Potassium and Calcium Isotopic Fractionation by Plants (Soybean [<i>Glycine max</i>], Rice [<i>Oryza</i>]) <i>Environmental Science & Technology</i> , 2014, 48, 1451-1457.	2.7	41
31	Isotopic Evidence for Reductive Immobilization of Uranium Across a Roll-Front Mineral Deposit. <i>Environmental Science & Technology</i> , 2016, 50, 6189-6198.	10.0	34
32	Depth- and Time-Resolved Distributions of Snowmelt-Driven Hillslope Subsurface Flow and Transport and Their Contributions to Surface Waters. <i>Water Resources Research</i> , 2019, 55, 9474-9499.	4.2	25
33	Deep Vadose Zone Respiration Contributions to Carbon Dioxide Fluxes from a Semiarid Floodplain. <i>Vadose Zone Journal</i> , 2016, 15, 1-14.	2.2	24
34	Using strontium isotopes to evaluate the spatial variation of groundwater recharge. <i>Science of the Total Environment</i> , 2018, 637-638, 672-685.	8.0	23
35	U-Th/He age of phenocrystic garnet from the 79 AD eruption of Mt. Vesuvius. <i>Earth and Planetary Science Letters</i> , 2003, 216, 209-219.	4.4	21
36	Discussion of tectonic controls of Mississippi Valley-type lead-zinc mineralization in orogenic forelands by D.C. Bradley and D.L. Leach. <i>Mineralium Deposita</i> , 2004, 39, 512-514.	4.1	21

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37	Mummified baboons reveal the far reach of early Egyptian mariners. <i>ELife</i> , 2020, 9, .	6.0	16
38	Se Isotopes as Groundwater Redox Indicators: Detecting Natural Attenuation of Se at an in Situ Recovery U Mine. <i>Environmental Science & Technology</i> , 2016, 50, 10833-10842.	10.0	13
39	Use of multiple tools including lead isotopes to decipher sources of ozone and reactive mercury to urban and rural locations in Nevada, USA. <i>Science of the Total Environment</i> , 2018, 615, 1411-1427.	8.0	11
40	Isotopic fractionation accompanying CO ₂ hydroxylation and carbonate precipitation from high pH waters at The Cedars, California, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 301, 91-115.	3.9	11
41	Conservative transport of dissolved sulfate across the Rio Madre de Dios floodplain in Peru. <i>Geology</i> , 2021, 49, 1064-1068.	4.4	9
42	Radiogenic ⁴⁰ Ca in Seawater: Implications for Modern and Ancient Ca Cycles. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2481-2492.	2.7	9
43	Isotopic Studies of Contaminant Transport at the Hanford Site, Washington. <i>Vadose Zone Journal</i> , 2007, 6, 1018-1030.	2.2	8
44	The Transport of Asian Dust and Combustion Aerosols and Associated Ozone to North America as Observed From a Mountaintop Monitoring Site in the California Coast Range. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5667-5680.	3.3	8
45	Phosphorus Speciation in Atmospherically Deposited Particulate Matter and Implications for Terrestrial Ecosystem Productivity. <i>Environmental Science & Technology</i> , 2020, 54, 4984-4994.	10.0	8
46	Unraveling the sources of ground level ozone in the Intermountain Western United States using Pb isotopes. <i>Science of the Total Environment</i> , 2015, 530-531, 519-525.	8.0	7
47	Isotopic Fractionation of Potassium by Diffusion in Methanol. <i>ACS Omega</i> , 2019, 4, 9497-9501.	3.5	5
48	Isotopic Tracking of Hanford 300 Area Derived Uranium in the Columbia River. <i>Environmental Science & Technology</i> , 2010, 44, 8855-8862.	10.0	4
49	Opportunities for large-scale CO ₂ disposal in coastal marine volcanic basins based on the geology of northeast Hawaii. <i>International Journal of Greenhouse Gas Control</i> , 2021, 110, 103396.	4.6	4
50	Dating gold deposition in a Carlin-type gold deposit using Rb/Sr methods on the mineral galkhaite. <i>Geology</i> , 2000, 28, 947-950.	4.4	0