

Anne-DÃ©sirÃ©e Schmitt

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,542
citations

361413

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31
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docs citations

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times ranked

1216
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium Isotopic Composition of Various Reference Materials and Seawater. <i>Geostandards and Geoanalytical Research</i> , 2003, 27, 13-19.	3.1	144
2	Mass-dependent cadmium isotopic variations in nature with emphasis on the marine environment. <i>Earth and Planetary Science Letters</i> , 2009, 277, 262-272.	4.4	141
3	Seasonal variability of element fluxes in two Central Siberian rivers draining high latitude permafrost dominated areas. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3335-3357.	3.9	128
4	The calcium riverine and hydrothermal isotopic fluxes and the oceanic calcium mass balance. <i>Earth and Planetary Science Letters</i> , 2003, 213, 503-518.	4.4	126
5	Processes controlling the stable isotope compositions of Li, B, Mg and Ca in plants, soils and waters: A review. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 704-722.	1.2	98
6	Variations of the $^{44}\text{Ca}/^{40}\text{Ca}$ ratio in seawater during the past 24 million years: evidence from ^{44}Ca and ^{18}O values of Miocene phosphates. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2607-2614.	3.9	81
7	Proposal for International Agreement on Ca Notation Resulting from Discussions at Workshops on Stable Isotope Measurements Held in Davos (Goldschmidt 2002) and Nice (EGS-AGU-EUG 2003). <i>Geostandards and Geoanalytical Research</i> , 2004, 28, 149-151.	1.9	81
8	High-precision cadmium stable isotope measurements by double spike thermal ionisation mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1079.	3.0	79
9	Experimental identification of Ca isotopic fractionations in higher plants. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5467-5482.	3.9	71
10	The source of calcium in wet atmospheric deposits: Ca-Sr isotope evidence. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3463-3468.	3.9	70
11	Biogeochemistry of stable Ca and radiogenic Sr isotopes in a larch-covered permafrost-dominated watershed of Central Siberia. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 114, 169-187.	3.9	60
12	Variations of U and Sr isotope ratios in Alsace and Luxembourg rain waters: origin and hydrogeochemical implications. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 1447-1456.	1.2	58
13	The Calcium Isotope Composition of Modern Seawater Determined by Thermal Ionisation Mass Spectrometry. <i>Geostandards and Geoanalytical Research</i> , 2001, 25, 267-275.	3.1	51
14	Calcium isotope fractionation during plant growth under a limited nutrient supply. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 110, 70-83.	3.9	51
15	Calcium biogeochemical cycle at the beech tree-soil solution interface from the Strengbach CZO (NE) Tj ETQq1 1 0.784314 rgBT /Ove 213, 91-109.	3.9	40
16	High performance automated ion chromatography separation for Ca isotope measurements in geological and biological samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1089.	3.0	38
17	Calcium isotopic fractionation during adsorption onto and desorption from soil phyllosilicates (kaolinite, montmorillonite and muscovite). <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 324-347.	3.9	35
18	The suitability of annual tree growth rings as environmental archives: Evidence from Sr, Nd, Pb and Ca isotopes in spruce growth rings from the Strengbach watershed. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 297-311.	1.2	27

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19	Factors controlling the chemical composition of colloidal and dissolved fractions in soil solutions and the mobility of trace elements in soils. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 37-57.	3.9	21
20	Elucidating modern geochemical cycles at local, regional, and global scales using calcium isotopes. <i>Chemical Geology</i> , 2020, 534, 119445.	3.3	21
21	Stable calcium isotope speciation and calcium oxalate production within beech tree (<i>Fagus sylvatica</i>) Tj ETQq1 1 0.784314 rgBT /Ove	3.5	19
22	Calcium isotopic fractionation during travertine deposition under different hydrodynamic conditions: Examples from Baishuitai (Yunnan, SW China). <i>Chemical Geology</i> , 2016, 426, 60-70.	3.3	17
23	Plant-soil-water interactions: Implications from U-Th-Ra isotope analysis in soils, soil solutions and vegetation (Strengbach CZO, France). <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 188-210.	3.9	17
24	Determination of Radiogenic $^{87}\text{Sr}/^{86}\text{Sr}$ and Stable $^{88}\text{Sr}/^{86}\text{Sr}$ Isotope Values of Thirteen Mineral, Vegetal and Animal Reference Materials by DSÄ©TIMS. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 331-348.	3.1	15
25	Biotic and abiotic experimental identification of bacterial influence on calcium isotopic signatures. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2760-2768.	1.5	11
26	Global Ca Cycles: Coupling of Continental and Oceanic Processes. <i>Advances in Isotope Geochemistry</i> , 2016, , 173-222.	1.4	10
27	Plants affect the dissipation and leaching of anilide pesticides in soil mesocosms: Insights from compound-specific isotope analysis (CSIA). <i>Agriculture, Ecosystems and Environment</i> , 2021, 308, 107257.	5.3	10
28	Earth-Surface Ca Isotopic Fractionations. <i>Advances in Isotope Geochemistry</i> , 2016, , 145-172.	1.4	8
29	Multi-isotope approach ($^{44}\text{Ca}/^{40}\text{Ca}$, $^{88}\text{Sr}/^{86}\text{Sr}$ and $^{87}\text{Sr}/^{86}\text{Sr}$) provides insights into rhizolith formation mechanisms in terrestrial sediments of Nussloch (Germany). <i>Chemical Geology</i> , 2020, 545, 119641.	3.3	6