Stephan KÃ¶nig

List of Publications by Year
in descending order

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Version: 2024-02-01

34	1,358	304743	395702
papers	citations	22 h-index	33 g-index

34	34	34	1226
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geochemical evolution of the Rabaul volcanic complex, Papua New Guinea - Insights from HFSE, Sr-Nd-Hf, and Fe isotopes. Lithos, 2022, 408-409, 106560.	1.4	1
2	Isotopic constraints on selenium degassing from basaltic magma and near-surface capture by fumarolic deposits: Implications for Se redistribution onto the Earth's surface. Chemical Geology, 2022, 596, 120796.	3.3	2
3	Genesis of the mafic granophyre of the Vredefort impact structure (South Africa): Implications of new geochemical and Se and Re-Os isotope data. , 2021, , .		4
4	Extreme fractionation of selenium isotopes and possible deep biospheric origin of platinum nuggets from Minas Gerais, Brazil. Geology, 2021, 49, 1327-1331.	4.4	5
5	The Molybdenum isotope subduction recycling conundrum: A case study from the Tongan subduction zone, Western Alps and Alpine Corsica. Chemical Geology, 2021, 576, 120231.	3.3	25
6	Selenium and tellurium in Reykjanes Ridge and Icelandic basalts: Evidence for degassing-induced Se isotope fractionation. Geochimica Et Cosmochimica Acta, 2021, 313, 155-172.	3.9	4
7	Recycled selenium in hot spotâ€“influenced lavas records ocean-atmosphere oxygenation. Science Advances, 2020, 6, .	10.3	11
8	Selenium isotopes as tracers of a late volatile contribution to Earth from the outer Solar System. Nature Geoscience, 2019, 12, 779-782.	12.9	42
9	Distinguishing High- from Low-Temperature Platinum Nuggets Through Their Trace-Element Pattern. Economic Geology, 2019, 114, 201-206.	3.8	6
10	The role of subduction recycling on the selenium isotope signature of the mantle: Constraints from Mariana arc lavas. Chemical Geology, 2019, 513, 239-249.	3.3	14
11	Selenium isotope and S-Se-Te elemental systematics along the Pacific-Antarctic ridge: Role of mantle processes. Geochimica Et Cosmochimica Acta, 2019, 249, 199-224.	3.9	24
12	Redox induced sulfur-selenium isotope decoupling recorded in pyrite. Geochimica Et Cosmochimica Acta, 2019, 244, 24-39.	3.9	17
13	Molybdenum isotope variations in calc-alkaline lavas from the Banda arc, Indonesia: Assessing the effect of crystal fractionation in creating isotopically heavy continental crust. Chemical Geology, 2018, 485, 1-13.	3.3	50
14	Chemical Sample Processing for Combined Selenium Isotope and Seleniumâ€Tellurium Elemental Investigation of the Earth's Igneous Reservoirs. Geochemistry, Geophysics, Geosystems, 2018, 19, 516-533.	2.5	26
15	The selenium isotopic variations in chondrites are mass-dependent; Implications for sulfide formation in the early solar system. Earth and Planetary Science Letters, 2018, 481, 212-222.	4.4	26
16	Preparation and purification of organic samples for selenium isotope studies. PLoS ONE, 2018, 13, e0193826.	2.5	6
17	A method for Se isotope analysis of low ng-level geological samples via double spike and hydride generation MC-ICP-MS. Chemical Geology, 2017, 466, 219-228.	3.3	33
18	Molybdenum isotope systematics in subduction zones. Earth and Planetary Science Letters, 2016, 447, 95-102.	4.4	87

#	Article	IF	Citations
19	The competing effects of sulfide saturation versus degassing on the behavior of the chalcophile elements during the differentiation of hydrous melts. Geochemistry, Geophysics, Geosystems, 2015, 16, 1490-1507.	2.5	57
20	Mineralogical control of selenium, tellurium and highly siderophile elements in the Earthâ€™s mantle: Evidence from mineral separates of ultra-depleted mantle residues. Chemical Geology, 2015, 396, 16-24.	3.3	21
21	The effects of melt depletion and metasomatism on highly siderophile and strongly chalcophile elements: Sâ€“Seâ€“Teâ€“Reâ€“PGE systematics of peridotite xenoliths from Kilbourne Hole, New Mexico. Geochimica Et Cosmochimica Acta, 2015, 166, 210-233.	3.9	27
22	Reply to the comment on â€œA non-primitive origin of near-chondritic Sâ€“Seâ€“Te ratios in mantle peridotites: Implications for the Earth's late accretionary historyâ€•by KÃ¶nig S. et al. [Earth Planet. Sci. Lett. 385 (2014) 110â€“121]. Earth and Planetary Science Letters, 2015, 417, 167-169.	4.4	6
23	Significance of the whole rock Reâ€“Os ages in cryptically and modally metasomatised cratonic peridotites: Constraints from HSEâ€“Seâ€“Te systematics. Geochimica Et Cosmochimica Acta, 2015, 164, 441-463.	3.9	48
24	Selenium and tellurium systematics in MORBs from the southern Mid-Atlantic Ridge (47â€“50Â°S). Geochimica Et Cosmochimica Acta, 2014, 144, 379-402.	3.9	47
25	A non-primitive origin of near-chondritic Sâ€“Seâ€“Te ratios in mantle peridotites; implications for the EarthÊ¼s late accretionary history. Earth and Planetary Science Letters, 2014, 385, 110-121.	4.4	48
26	Selenium and tellurium systematics of the Earthâ€™s mantle from high precision analyses of ultra-depleted orogenic peridotites. Geochimica Et Cosmochimica Acta, 2012, 86, 354-366.	3.9	73
27	The Earthâ€™s tungsten budget during mantle melting and crust formation. Geochimica Et Cosmochimica Acta, 2011, 75, 2119-2136.	3.9	112
28	Deep melting of old subducted oceanic crust recorded by superchondritic Nb/Ta in modern island arc lavas. Earth and Planetary Science Letters, 2011, 301, 265-274.	4.4	59
29	Subduction zone dynamics in the SW Pacific plate boundary region constrained from high-precision Pb isotope data. Earth and Planetary Science Letters, 2011, 311, 328-338.	4.4	25
30	Boninites as windows into trace element mobility in subduction zones. Geochimica Et Cosmochimica Acta, 2010, 74, 684-704.	3.9	131
31	Highly depleted Hadean mantle reservoirs in the sources of early Archean arc-like rocks, Isua supracrustal belt, southern West Greenland. Geochimica Et Cosmochimica Acta, 2010, 74, 7236-7260.	3.9	110
32	Petrogenesis of Lavas along the Solomon Island Arc, SW Pacific: Coupling of Compositional Variations and Subduction Zone Geometry. Journal of Petrology, 2009, 50, 781-811.	2.8	51
33	Mobility of tungsten in subduction zones. Earth and Planetary Science Letters, 2008, 274, 82-92.	4.4	104
34	The role of slab melting in the petrogenesis of high-Mg andesites: evidence from Simbo Volcano, Solomon Islands. Contributions To Mineralogy and Petrology, 2007, 153, 85-103.	3.1	56