Stephan KÃ¶nig

List of Publications by Year
in descending order

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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	Boninites as windows into trace element mobility in subduction zones. Geochimica Et Cosmochimica Acta, 2010, 74, 684-704.	3.9	131
2	The Earthâ€™s tungsten budget during mantle melting and crust formation. Geochimica Et Cosmochimica Acta, 2011, 75, 2119-2136.	3.9	112
3	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
4	Mobility of tungsten in subduction zones. Earth and Planetary Science Letters, 2008, 274, 82-92.	4.4	104
5	Molybdenum isotope systematics in subduction zones. Earth and Planetary Science Letters, 2016, 447, 95-102.	4.4	87
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	Redox induced sulfur-selenium isotope decoupling recorded in pyrite. Geochimica Et Cosmochimica Acta, 2019, 244, 24-39.	3.9	17
25	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
26	Recycled selenium in hot spotâ€“influenced lavas records ocean-atmosphere oxygenation. Science Advances, 2020, 6, .	10.3	11
27	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
28	Preparation and purification of organic samples for selenium isotope studies. PLoS ONE, 2018, 13, e0193826.	2.5	6
29	Distinguishing High- from Low-Temperature Platinum Nuggets Through Their Trace-Element Pattern. Economic Geology, 2019, 114, 201-206.	3.8	6
30	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
31	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
32	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
33	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
34	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