Andreas Stracke

List of Publications by Year
in descending order

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Version: 2024-02-01

68	9,065	101543	106344
papers	citations	36 h-index	65 g-index

68	68	68	5877
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution of ultrapotassic volcanism on the Kaapvaal craton: deepening the orangeite versus lamproite debate. Geological Society Special Publication, 2022, 513, 17-44.	1.3	16
2	Composition of Earth's Mantle. , 2021, , 164-177.		1
3	Constraining the presence of amphibole and mica in metasomatized mantle sources through halogen partitioning experiments. Lithos, 2021, 380-381, 105859.	1.4	7
4	Sheared Peridotite and Megacryst Formation Beneath the Kaapvaal Craton: a Snapshot of Tectonomagmatic Processes across the Lithosphereâ€“Asthenosphere Transition. Journal of Petrology, 2021, 62, .	2.8	27
5	The Loongana (CL) group of carbonaceous chondrites. Geochimica Et Cosmochimica Acta, 2021, 304, 1-31.	3.9	15
6	Ancient refractory asthenosphere revealed by mantle re-melting at the Arctic Mid Atlantic Ridge. Earth and Planetary Science Letters, 2021, 566, 116981.	4.4	18
7	A process-oriented approach to mantle geochemistry. Chemical Geology, 2021, 579, 120350.	3.3	18
8	Tracing dehydration and melting of the subducted slab with tungsten isotopes in arc lavas. Earth and Planetary Science Letters, 2020, 530, 115942.	4.4	22
9	Constraints on mantle evolution from Ce-Nd-Hf isotope systematics. Geochimica Et Cosmochimica Acta, 2020, 272, 36-53.	3.9	20
10	A comparison of sulfur isotope measurements of geologic materials by inductively coupled plasma and gas source mass spectrometry. Chemical Geology, 2020, 558, 119869.	3.3	9
11	The tungsten-182 record of kimberlites above the African superplume: Exploring links to the core-mantle boundary. Earth and Planetary Science Letters, 2020, 547, 116473.	4.4	40
12	Origins of kimberlites and carbonatites during continental collision â€“ Insights beyond decoupled Nd-Hf isotopes. Earth-Science Reviews, 2020, 208, 103287.	9.1	40
13	Constraints on Archean crust formation from open system models of Earth evolution. Chemical Geology, 2019, 530, 119307.	3.3	7
14	Ubiquitous ultra-depleted domains in Earthâ€™s mantle. Nature Geoscience, 2019, 12, 851-855.	12.9	52
15	Lack of late-accreted material as the origin of 182W excesses in the Archean mantle: Evidence from the Pilbara Craton, Western Australia. Earth and Planetary Science Letters, 2019, 528, 115841.	4.4	31
16	The Origin of Carbonatites from Amba Dongar within the Deccan Large Igneous Province. Journal of Petrology, 2019, 60, 1119-1134.	2.8	18
17	Process-related isotope variability in oceanic basalts revealed by high-precision Sr isotope ratios in olivine-hosted melt inclusions. Chemical Geology, 2019, 524, 1-10.	3.3	5
18	Earth's chondritic light rare earth element composition: Evidence from the Ceâ€“Nd isotope systematics of chondrites and oceanic basalts. Earth and Planetary Science Letters, 2019, 509, 55-65.	4.4	17

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19	Accurate and precise measurement of Ce isotope ratios by thermal ionization mass spectrometry (TIMS). Chemical Geology, 2018, 476, 119-129.	3.3	17
20	Fast intraslab fluid-flow events linked to pulses of high pore fluid pressure at the subducted plate interface. Earth and Planetary Science Letters, 2018, 482, 33-43.	4.4	106
21	Mantle Geochemistry. Encyclopedia of Earth Sciences Series, 2018, , 867-878.	0.1	3
22	Sources and mobility of carbonate melts beneath cratons, with implications for deep carbon cycling, metasomatism and rift initiation. Earth and Planetary Science Letters, 2017, 466, 152-167.	4.4	120
23	Plates or plumes in the origin of kimberlites: U/Pb perovskite and Sr-Nd-Hf-Os-C-O isotope constraints from the Superior craton (Canada). Chemical Geology, 2017, 455, 57-83.	3.3	67
24	Open system models of isotopic evolution in Earthâ€™s silicate reservoirs: Implications for crustal growth and mantle heterogeneity. Geochimica Et Cosmochimica Acta, 2016, 195, 142-157.	3.9	23
25	Mantle Geochemistry. Encyclopedia of Earth Sciences Series, 2016, , 1-12.	0.1	0
26	Melt evolution beneath a rifted craton edge: 40 Ar/ 39 Ar geochronology and Srâ€“Ndâ€“Hfâ€“Pb isotope systematics of primitive alkaline basalts and lamprophyres from the SW Baltic Shield. Geochimica Et Cosmochimica Acta, 2016, 173, 1-36.	3.9	35
27	Comparing the nature of the western and eastern Azores mantle. Geochimica Et Cosmochimica Acta, 2016, 172, 76-92.	3.9	21
28	Depleted Mantle. Encyclopedia of Earth Sciences Series, 2016, , 182-185.	0.1	1
29	Mantle Geochemistry. Encyclopedia of Earth Sciences Series, 2016, , 1-12.	0.1	1
30	Effects of simple acid leaching of crushed and powdered geological materials on highâ€precision Pb isotope analyses. Geochemistry, Geophysics, Geosystems, 2015, 16, 2276-2302.	2.5	25
31	Depleted Mantle. , 2015, , 1-5.		0
32	Lead transport in intra-oceanic subduction zones: 2D geochemicalâ€“thermo-mechanical modeling of isotopic signatures. Lithos, 2014, 208-209, 265-280.	1.4	32
33	Simplified mantle architecture and distribution of radiogenic power. Geochemistry, Geophysics, Geosystems, 2013, 14, 2265-2285.	2.5	26
34	The geochemical consequences of mixing melts from a heterogeneous mantle. Geochimica Et Cosmochimica Acta, 2013, 114, 112-143.	3.9	88
35	Earth's heterogeneous mantle: A product of convection-driven interaction between crust and mantle. Chemical Geology, 2012, 330-331, 274-299.	3.3	343
36	A possible high Nb/Ta reservoir in the continental lithospheric mantle and consequences on the global Nb budget â€“ Evidence from continental basalts from Central Germany. Geochimica Et Cosmochimica Acta, 2012, 77, 232-251.	3.9	98

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37	Refractory element fractionation in the Allende meteorite: Implications for solar nebula condensation and the chondritic composition of planetary bodies. Geochimica Et Cosmochimica Acta, 2012, 85, 114-141.	3.9	68
38	Rates of magma differentiation and emplacement in a ballooning pluton recorded by Uâ€“Pb TIMS-TEA, Adamello batholith, Italy. Earth and Planetary Science Letters, 2012, 355-356, 162-173.	4.4	173
39	Domains of depleted mantle: New evidence from hafnium and neodymium isotopes. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	69
40	Correction to â€œDomains of depleted mantle: New evidence from hafnium and neodymium isotopesâ€• Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	1
41	Timing of juvenile arc crust formation and evolution in the Sapat Complex (Kohistanâ€“Pakistan). Chemical Geology, 2011, 280, 243-256.	3.3	55
42	GSD-1G and MPI-DING Reference Glasses for In Situ and Bulk Isotopic Determination. Geostandards and Geoanalytical Research, 2011, 35, 193-226.	3.1	122
43	Determination of Reference Values for NIST SRM 610â€“617 Glasses Following ISO Guidelines. Geostandards and Geoanalytical Research, 2011, 35, 397-429.	3.1	1,371
44	Chondritic Mg isotope composition of the Earth. Geochimica Et Cosmochimica Acta, 2010, 74, 5069-5083.	3.9	141
45	Formation of enriched mantle components by recycling of upper and lower continental crust. Chemical Geology, 2010, 276, 188-197.	3.3	239
46	Continental geochemical signatures in dacites from Iceland and implications for models of early Archaean crust formation. Earth and Planetary Science Letters, 2009, 279, 44-52.	4.4	135
47	Zircon and titanite recording 1.5 million years of magma accretion, crystallization and initial cooling in a composite pluton (southern Adamello batholith, northern Italy). Earth and Planetary Science Letters, 2009, 286, 208-218.	4.4	175
48	The importance of melt extraction for tracing mantle heterogeneity. Geochimica Et Cosmochimica Acta, 2009, 73, 218-238.	3.9	196
49	Tracking mantle depletion. Nature Geoscience, 2008, 1, 215-216.	12.9	6
50	Between carbonatite and lamproiteâ€”Diamondiferous Torngat ultramafic lamprophyres formed by carbonate-fluxed melting of cratonic MARID-type metasomes. Geochimica Et Cosmochimica Acta, 2008, 72, 3258-3286.	3.9	221
51	Nb/Ta and Zr/Hf in ocean island basalts â€“ Implications for crustâ€“mantle differentiation and the fate of Niobium. Earth and Planetary Science Letters, 2007, 254, 158-172.	4.4	322
52	Craton reactivation on the Labrador Sea margins: 40Ar/39Ar age and Srâ€“Ndâ€“Hfâ€“Pb isotope constraints from alkaline and carbonatite intrusives. Earth and Planetary Science Letters, 2007, 256, 433-454.	4.4	234
53	The peculiar geochemical signatures of SÃ£o Miguel (Azores) lavas: Metasomatised or recycled mantle sources?. Earth and Planetary Science Letters, 2007, 259, 186-199.	4.4	88
54	Compositional diversity among primitive lavas of Mauritius, Indian Ocean: Implications for mantle sources. Journal of Volcanology and Geothermal Research, 2007, 164, 76-94.	2.1	19

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55	Genesis of Ultramafic Lamprophyres and Carbonatites at Aillik Bay, Labrador: a Consequence of Incipient Lithospheric Thinning beneath the North Atlantic Craton. Journal of Petrology, 2006, 47, 1261-1315.	2.8	289
56	Trace element composition of mantle end-members: Implications for recycling of oceanic and upper and lower continental crust. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	416
57	MPI-DING reference glasses for in situ microanalysis: New reference values for element concentrations and isotope ratios. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	563
58	Melt extraction in the Earth's mantle: Constraints from Uâ€“Thâ€“Paâ€“Ra studies in oceanic basalts. Earth and Planetary Science Letters, 2006, 244, 97-112.	4.4	105
59	Insights into the dynamics of mantle plumes from uranium-series geochemistry. Nature, 2006, 444, 713-717.	27.8	53
60	Comment to â€œPb isotopic analysis of standards and samples using a 207Pbâ€“204Pb double spike and thallium to correct for mass bias with a double-focusing MCâ€“ICPâ€“MSâ€•by Baker et al.. Chemical Geology, 2005, 217, 171-174.	3.3	14
61	FOZO, HIMU, and the rest of the mantle zoo. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	2.5	512
62	Source enrichment processes responsible for isotopic anomalies in oceanic island basalts. Geochimica Et Cosmochimica Acta, 2004, 68, 2699-2724.	3.9	56
63	Composition of the depleted mantle. Geochemistry, Geophysics, Geosystems, 2004, 5, n/a-n/a.	2.5	1,377
64	The dynamics of melting beneath Theistareykir, northern Iceland. Geochemistry, Geophysics, Geosystems, 2003, 4, .	2.5	48
65	Theistareykir revisited. Geochemistry, Geophysics, Geosystems, 2003, 4, .	2.5	142
66	Recycling oceanic crust: Quantitative constraints. Geochemistry, Geophysics, Geosystems, 2003, 4, .	2.5	389
67	Assessing the presence of garnet-pyroxenite in the mantle sources of basalts through combined hafnium-neodymium-thorium isotope systematics. Geochemistry, Geophysics, Geosystems, 2000, 1, n/a-n/a.	2.5	67
68	Rifting-related volcanism in an oceanic post-collisional setting: the Tabarâ€“Lihirâ€“Tangaâ€“Feni (TLTF) island chain, Papua New Guinea. Lithos, 1998, 45, 545-560.	1.4	30