

Janne Blichert-Toft

List of Publications by Year in descending order

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Version: 2024-02-01

209
papers

21,424
citations

11608

70
h-index

9553

142
g-index

212
all docs

212
docs citations

212
times ranked

9041
citing authors

#	ARTICLE	IF	CITATIONS
1	New findings of ancient Greek silver sources. <i>Journal of Archaeological Science</i> , 2022, 137, 105474.	1.2	14
2	Origin and fate of the greatest accumulation of silver in ancient history. <i>Archaeological and Anthropological Sciences</i> , 2022, 14, 1.	0.7	7
3	Distinguishing Volcanic Contributions to the Overlapping Samoan and Cook-Austral Hotspot Tracks. <i>Journal of Petrology</i> , 2022, 63, .	1.1	3
4	The komatiite testimony to ancient mantle heterogeneity. <i>Chemical Geology</i> , 2022, 594, 120776.	1.4	13
5	Silver isotope and volatile trace element systematics in galena samples from the Iberian Peninsula and the quest for silver sources of Roman coinage. <i>Geology</i> , 2022, 50, 422-426.	2.0	13
6	Thank You to Our 2021 Reviewers. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	0
7	From commodity to money: The rise of silver coinage around the Ancient Mediterranean (sixth century BC to first century AD). <i>Journal of Archaeological Science</i> , 2021, 134, 105472.	0.784314	19
8	Chapter 7.2 of Mount Erebus. <i>Geological Society Memoir</i> , 2021, 55, 695-739.	0.9	15
9	Thank You to Our 2020 Reviewers. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009697.	1.0	0
10	Sampling and combined Pb and Ag isotopic analysis of ancient silver coins and ores. <i>Chemical Geology</i> , 2021, 564, 120028.	1.4	17
11	Model for ancient Greek and Roman coinage production. <i>Journal of Archaeological Science</i> , 2021, 131, 105406.	1.2	1
12	Metal provenance of Iron Age Hacksilber hoards in the southern Levant. <i>Journal of Archaeological Science</i> , 2021, 134, 105472.	1.2	10
13	The significance of galena Pb model ages and the formation of large Pb-Zn sedimentary deposits. <i>Chemical Geology</i> , 2021, 583, 120444.	1.4	11
14	Age and mantle sources of Quaternary basalts associated with leaky transform faults of the migrating Anatolia-Arabia-Africa triple junction. , 2021, 17, 69-94.		4
15	A miner's perspective on Pb isotope provenances in the Western and Central Mediterranean. <i>Journal of Archaeological Science</i> , 2020, 121, 105194.	1.2	29
16	Ancient helium and tungsten isotopic signatures preserved in mantle domains least modified by crustal recycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30993-31001.	3.3	41
17	Ultra-depleted ²⁰⁵ Ga komatiites of Finnish Lapland: Products of grainy late accretion or core-mantle interaction?. <i>Chemical Geology</i> , 2020, 554, 119801.	1.4	31
18	Thank You to Our 2019 Reviewers. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009007.	1.0	0

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19	Chemical archeoceanography. <i>Chemical Geology</i> , 2020, 548, 119625.	1.4	9
20	Th/U variability in Allende chondrules. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 280, 378-394.	1.6	6
21	Lead isotopes as tracers of crude oil migration within deep crustal fluid systems. <i>Earth and Planetary Science Letters</i> , 2019, 525, 115747.	1.8	10
22	Thank You to Our 2018 Peer Reviewers. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4593-4598.	1.0	0
23	Hot and Heterogenous High ³ He/ ⁴ He Components: New Constraints From Proto-Iceland Plume Lavas From Baffin Island. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 5939-5967.	1.0	15
24	A critical evaluation of copper isotopes in Precambrian Iron Formations as a paleoceanographic proxy. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 264, 130-140.	1.6	7
25	An isotopically distinct Zealandia Antarctic mantle domain in the Southern Ocean. <i>Nature Geoscience</i> , 2019, 12, 206-214.	5.4	28
26	Economic resilience of Carthage during the Punic Wars: Insights from sediments of the Medjerda delta around Utica (Tunisia). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9764-9769.	3.3	8
27	Extraction of Pb and Zn from crude oil for high-precision isotopic analysis by MC-ICP-MS. <i>Chemical Geology</i> , 2019, 511, 112-122.	1.4	13
28	Dynamics of oceanic iron prior to the Great Oxygenation Event. <i>Earth and Planetary Science Letters</i> , 2019, 506, 360-370.	1.8	31
29	The Assean Lake Complex. , 2019, , 703-722.		0
30	182W and HSE constraints from 2.7 Ga komatiites on the heterogeneous nature of the Archean mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 228, 1-26.	1.6	48
31	Sub-arc xenolith Fe-Li-Pb isotopes and textures tell tales of their journey through the mantle wedge and crust. <i>Geology</i> , 2018, 46, 947-950.	2.0	13
32	The nature and evolution of mantle upwelling at Ross Island, Antarctica, with implications for the source of HIMU lavas. <i>Earth and Planetary Science Letters</i> , 2018, 498, 38-53.	1.8	42
33	Hafnium. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 629-631.	0.1	0
34	Hafnium Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 631-636.	0.1	0
35	Geodynamic implications for zonal and meridional isotopic patterns across the northern ^L au and ^N orth ^F iji ^B asins. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1013-1042.	1.0	14
36	A reappraisal of the evolution of the palaeo-Pacific margin of Gondwana from the Pb and Os isotope systematics of igneous rocks from the southern Adelaide fold belt, South Australia. <i>Gondwana Research</i> , 2017, 45, 152-162.	3.0	6

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37	Shallow melting of MORB-like mantle under hot continental lithosphere, central Anatolia. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1866-1888.	1.0	63
38	Rome's urban history inferred from Pb-contaminated waters trapped in its ancient harbor basins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10059-10064.	3.3	31
39	Geochemistry of lavas from the Caroline hotspot, Micronesia: Evidence for primitive and recycled components in the mantle sources of lavas with moderately elevated $3\text{He}/4\text{He}$. <i>Chemical Geology</i> , 2017, 455, 385-400.	1.4	23
40	Geochemical Constraints Provided by the Freetown Layered Complex (Sierra Leone) on the Origin of High-Ti Tholeiitic CAMP Magmas. <i>Journal of Petrology</i> , 2017, 58, 1811-1840.	1.1	39
41	Isotopic and elemental evidence for Scabland Flood sediments offshore Vancouver Island. <i>Quaternary Science Reviews</i> , 2016, 139, 129-137.	1.4	11
42	A lead isotope perspective on urban development in ancient Naples. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6148-6153.	3.3	33
43	Pikes Peak batholith (Colorado, USA) revisited: A SIMS and LA-ICP-MS study of zircon ^{206}Pb ages combined with solution Hf isotopic compositions. <i>Precambrian Research</i> , 2016, 280, 179-194.	1.2	22
44	Hafnium Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 1-6.	0.1	0
45	On edge melting under the Colorado Plateau margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2835-2854.	1.0	13
46	Hafnium. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 1-3.	0.1	1
47	Mantle heterogeneities beneath the Northeast Indian Ocean as sampled by intra-plate volcanism at Christmas Island. <i>Lithos</i> , 2016, 262, 561-575.	0.6	10
48	A geochemical and sedimentological perspective of the life cycle of Neapolis harbor (Naples, southern Tj ETQq0 0 0 rgeBT /Overlock 10 T	1.4	13
49	Large-scale tectonic cycles in Europe revealed by distinct Pb isotope provinces. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3854-3864.	1.0	46
50	Geochemical evidence in the northeast Lau Basin for subduction of the Cook-Austral volcanic chain in the Tonga Trench. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1694-1724.	1.0	23
51	The coupled ^{182}W - ^{142}Nd record of early terrestrial mantle differentiation. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2168-2193.	1.0	87
52	Elemental and isotopic perspectives on the impact of arbuscular mycorrhizal and ectomycorrhizal fungi on mineral weathering across imposed geologic gradients. <i>Chemical Geology</i> , 2016, 445, 164-171.	1.4	10
53	Lithophile and siderophile element systematics of Earth's mantle at the Archean-Proterozoic boundary: Evidence from 2.4 Ga komatiites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 180, 227-255.	1.6	73
54	Appreciation of peer reviewers for 2014. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2473-2479.	1.0	0

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55	¹⁴⁷ Sm- ¹⁴³ Nd and ¹⁷⁶ Lu- ¹⁷⁶ Hf systematics of eucrite and angrite meteorites. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1896-1911.	0.7	20
56	Lithospheric mantle evolution in the Afro-Arabian domain: Insights from Bir Ali mantle xenoliths (Yemen). <i>Tectonophysics</i> , 2015, 650, 3-17.	0.9	25
57	Corrigendum to 'Magma Evolution in the Primitive, Intra-oceanic Tonga Arc: Petrogenesis of Basaltic Andesites at Tofua Volcano' and 'Magma Evolution in the Primitive, Intra-oceanic Tonga Arc: Rapid Petrogenesis of Dacites at Fonualei Volcano'. <i>Journal of Petrology</i> , 2015, 56, 641-644.	1.1	2
58	The lunar neutron energy spectrum inferred from the isotope compositions of rare-earth elements and hafnium in Apollo samples. <i>Earth and Planetary Science Letters</i> , 2015, 429, 147-156.	1.8	5
59	Hf and Nd isotope systematics of early Archean komatiites from surface sampling and ICDP drilling in the Barberton Greenstone Belt, South Africa. <i>American Mineralogist</i> , 2015, 100, 2396-2411.	0.9	47
60	Demise of a harbor: a geochemical chronicle from Ephesus. <i>Journal of Archaeological Science</i> , 2015, 53, 202-213.	1.2	32
61	Helium isotopic textures in Earth's upper mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2048-2074.	1.0	39
62	Geochemical investigation of a sediment core from the Trajan basin at Portus, the harbor of ancient Rome. <i>Quaternary Science Reviews</i> , 2014, 87, 34-45.	1.4	36
63	Lu-Hf isotope systematics of the Hadean-Eoarchean Acasta Gneiss Complex (Northwest Territories), Tj ETQq1_1.0.784314 rgBT	1.6	41
64	Component geochronology in the polyphase ca. 3920 Ma Acasta Gneiss. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 68-96.	1.6	75
65	Diet of ancient Egyptians inferred from stable isotope systematics. <i>Journal of Archaeological Science</i> , 2014, 46, 114-124.	1.2	28
66	Why Archean TTG cannot be generated by MORB melting in subduction zones. <i>Lithos</i> , 2014, 198-199, 1-13.	0.6	242
67	Lead in ancient Rome's city waters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6594-6599.	3.3	86
68	Mantle dynamics and secular variations beneath the East African Rift: Insights from peridotite xenoliths (Mega, Ethiopia). <i>Chemical Geology</i> , 2014, 386, 49-58.	1.4	33
69	Density functional theory estimation of isotope fractionation of Fe, Ni, Cu, and Zn among species relevant to geochemical and biological environments. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 553-576.	1.6	211
70	Hafnium isotope evidence for early-Proterozoic volcanic arc reworking in the Skellefte district (northern Sweden) and implications for the Svecofennian orogen. <i>Precambrian Research</i> , 2014, 252, 39-52.	1.2	11
71	Implications of discordant U-Pb ages on Hf isotope studies of detrital zircons. <i>Chemical Geology</i> , 2014, 385, 17-25.	1.4	36
72	Combined ^{147,146} Sm- ^{143,142} Nd constraints on the longevity and residence time of early terrestrial crust. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2329-2345.	1.0	58

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73	Insights from Pb and O isotopes into along-arc variations in subduction inputs and crustal assimilation for volcanic rocks in Java, Sunda arc, Indonesia. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 139, 205-226.	1.6	29
74	Comment on "Geochronology of the Martian meteorite Zagami revealed by ^{206}Pb ion probe dating of accessory minerals" by Zhou et al.. <i>Earth and Planetary Science Letters</i> , 2014, 385, 216-217.	1.8	3
75	The distribution of geochemical heterogeneities in the source of Hawaiian shield lavas as revealed by a transect across the strike of the Loa and Kea spatial trends: East Molokai to West Molokai to Penguin Bank. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 132, 214-237.	1.6	17
76	Similarities between the Th/U map of the western US crystalline basement and the seismic properties of the underlying lithosphere. <i>Earth and Planetary Science Letters</i> , 2014, 391, 243-254.	1.8	9
77	Evidence for a broadly distributed Samoan-plume signature in the northern Lau and North Fiji Basins. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 986-1008.	1.0	34
78	Egyptian mummies record increasing aridity in the Nile valley from 5500 to 1500yr before present. <i>Earth and Planetary Science Letters</i> , 2013, 375, 92-100.	1.8	42
79	Early mantle dynamics inferred from ^{142}Nd variations in Archean rocks from southwest Greenland. <i>Earth and Planetary Science Letters</i> , 2013, 377-378, 324-335.	1.8	65
80	Siderophile elements in IVA irons and the compaction of their parent asteroidal core. <i>Earth and Planetary Science Letters</i> , 2013, 362, 122-129.	1.8	9
81	Asteroidal impacts and the origin of terrestrial and lunar volatiles. <i>Icarus</i> , 2013, 222, 44-52.	1.1	99
82	Short length scale mantle heterogeneity beneath Iceland probed by glacial modulation of melting. <i>Earth and Planetary Science Letters</i> , 2013, 379, 146-157.	1.8	36
83	Sr, Nd, Hf and Pb isotope systematics of postshield-stage lavas at Kahoolawe, Hawaii. <i>Chemical Geology</i> , 2013, 360-361, 159-172.	1.4	7
84	Inherited ^{142}Nd anomalies in Eoarchean protoliths. <i>Earth and Planetary Science Letters</i> , 2013, 361, 50-57.	1.8	91
85	Pb and Hf isotope variations along the Southeast Indian Ridge and the dynamic distribution of MORB source domains in the upper mantle. <i>Earth and Planetary Science Letters</i> , 2013, 375, 196-208.	1.8	23
86	A legacy of Hadean silicate differentiation inferred from Hf isotopes in Eoarchean rocks of the Nuvvuagittuq supracrustal belt (Quebec, Canada). <i>Earth and Planetary Science Letters</i> , 2013, 362, 171-181.	1.8	43
87	On the Time Scales of Magma Genesis, Melt Evolution, Crystal Growth Rates and Magma Degassing in the Erebus Volcano Magmatic System Using the ^{238}U , ^{235}U and ^{232}Th Decay Series. <i>Journal of Petrology</i> , 2013, 54, 235-271.	1.1	39
88	Recent volcanic accretion at 9°N East Pacific Rise as resolved by combined geochemical and geological observations. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2547-2574.	1.0	19
89	Melting under the Colorado Plateau, USA. <i>Geology</i> , 2012, 40, 387-390.	2.0	36
90	The elusive Hadean enriched reservoir revealed by ^{142}Nd deficits in Isua Archean rocks. <i>Nature</i> , 2012, 491, 96-100.	13.7	95

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91	A GEOLOGICAL PERSPECTIVE ON THE USE OF Pb ISOTOPES IN ARCHAEOOMETRY. <i>Archaeometry</i> , 2012, 54, 853-867.	0.6	106
92	Hafnium isotope evidence from Archean granitic rocks for deep-mantle origin of continental crust. <i>Earth and Planetary Science Letters</i> , 2012, 337-338, 211-223.	1.8	169
93	Pd ¹⁰⁷ /Ag chronology of volatile depletion, crystallization and shock in the Muonionalusta IVA iron meteorite and implications for its parent body. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 215-222.	1.8	15
94	Upper Mantle Pollution during Afar Plume ¹⁰⁷ Continental Rift Interaction. <i>Journal of Petrology</i> , 2012, 53, 365-389.	1.1	88
95	Synthetic zircon doped with hafnium and rare earth elements: A reference material for in situ hafnium isotope analysis. <i>Chemical Geology</i> , 2011, 286, 32-47.	1.4	148
96	Understanding melt generation beneath the slow-spreading Kolbeinsey Ridge using ²³⁸ U, ²³⁰ Th, and ²³¹ Pa excesses. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6300-6329.	1.6	33
97	Combined Nd and Hf isotope evidence for deep-seated source of Isua lavas. <i>Earth and Planetary Science Letters</i> , 2011, 312, 267-279.	1.8	120
98	Hafnium isotopic variations in East Atlantic intraplate volcanism. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 21-36.	1.2	28
99	Perspective on the Genesis of E-MORB from Chemical and Isotopic Heterogeneity at 9 ¹⁰⁷ 10 ¹⁰ N East Pacific Rise. <i>Journal of Petrology</i> , 2011, 52, 565-602.	1.1	96
100	THE ELUSIVE ⁶⁰ Fe IN THE SOLAR NEBULA. <i>Astrophysical Journal</i> , 2011, 741, 71.	1.6	26
101	Nd ¹⁴³ /Sr ⁸⁷ /Hf ¹⁷⁶ /O isotope provinciality in the northernmost Arabian ¹⁰⁷ Nubian Shield: implications for crustal evolution. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 181-201.	1.2	98
102	Fore ¹⁰⁷ arc basalts and subduction initiation in the Izu ¹⁰⁷ Bonin ¹⁰⁷ Mariana system. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	1.0	589
103	The early formation of the IVA iron meteorite parent body. <i>Earth and Planetary Science Letters</i> , 2010, 296, 469-480.	1.8	46
104	Depleted mantle sources through time: Evidence from Lu ¹⁷⁶ /Hf and Sm ¹⁴⁷ /Nd isotope systematics of Archean komatiites. <i>Earth and Planetary Science Letters</i> , 2010, 297, 598-606.	1.8	161
105	The Solar System primordial lead. <i>Earth and Planetary Science Letters</i> , 2010, 300, 152-163.	1.8	65
106	Partial Melting of Mantle and Crustal Sources beneath South Karakorum, Pakistan: Implications for the Miocene Geodynamic Evolution of the India-Asia Convergence Zone. <i>Journal of Petrology</i> , 2009, 50, 427-449.	1.1	87
107	Crustal Contamination of Mantle-derived Magmas within Piton de la Fournaise Volcano, Reunion Island. <i>Journal of Petrology</i> , 2009, 50, 661-684.	1.1	41
108	Martian meteorite chronology and the evolution of the interior of Mars. <i>Earth and Planetary Science Letters</i> , 2009, 280, 285-295.	1.8	121

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109	Mixing of isotopic heterogeneities in the Mauna Kea plume conduit. <i>Earth and Planetary Science Letters</i> , 2009, 282, 190-200.	1.8	46
110	Geochemical stages at Jasper Seamount and the origin of intraplate volcanoes. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	31
111	Ancient carbonate sedimentary signature in the Hawaiian plume: Evidence from Mahukona volcano, Hawaii. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	29
112	The terrestrial cradle of life. , 2009, , .		4
113	Timing of high-pressure metamorphism and exhumation of the eclogite type locality (Kupplerbrunn-Prickler Halt, Saualpe, south-eastern Austria): constraints from correlations of the Sm-Nd, Lu-Hf, U-Pb and Rb-Sr isotopic systems. <i>Journal of Metamorphic Geology</i> , 2008, 26, 561-581.	1.6	68
114	A Sr, Nd, Hf, and Pb isotope perspective on the genesis and long-term evolution of alkaline magmas from Erebus volcano, Antarctica. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 606-618.	0.8	50
115	Hafnium isotopes in Jack Hills zircons and the formation of the Hadean crust. <i>Earth and Planetary Science Letters</i> , 2008, 265, 686-702.	1.8	177
116	The case for old basaltic shergottites. <i>Earth and Planetary Science Letters</i> , 2008, 266, 105-124.	1.8	117
117	Pb, Hf and Nd isotope compositions of the two Réunion volcanoes (Indian Ocean): A tale of two small-scale mantle 'blobs'. <i>Earth and Planetary Science Letters</i> , 2008, 265, 748-765.	1.8	85
118	U-Pb dating of fossil enamel from the Swartkrans Pleistocene hominid site, South Africa. <i>Earth and Planetary Science Letters</i> , 2008, 267, 236-246.	1.8	73
119	One hundred million years of mantle geochemical history suggest the retiring of mantle plumes is premature. <i>Earth and Planetary Science Letters</i> , 2008, 275, 285-295.	1.8	55
120	The Hf isotopic composition of zircon reference material 91500. <i>Chemical Geology</i> , 2008, 253, 252-257.	1.4	231
121	The role of lithospheric gabbros on the composition of Galapagos lavas. <i>Earth and Planetary Science Letters</i> , 2007, 257, 391-406.	1.8	76
122	A unique lower mantle source for Southern Italy volcanics. <i>Earth and Planetary Science Letters</i> , 2007, 259, 227-238.	1.8	47
123	The split fate of the early Earth, Mars, Venus, and Moon. <i>Comptes Rendus - Geoscience</i> , 2007, 339, 917-927.	0.4	38
124	The origin of enriched mantle beneath São Miguel, Azores. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 219-240.	1.6	104
125	Pb-Pb dating constraints on the accretion and cooling history of chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1583-1604.	1.6	148
126	Constraints on source-forming processes of West Greenland kimberlites inferred from Hf-Nd isotope systematics. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 2820-2836.	1.6	66

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127	Comparative stable isotope geochemistry of Ni, Cu, Zn, and Fe in chondrites and iron meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4365-4379.	1.6	114
128	Major and Trace Element and Sr, Nd, Hf, and Pb Isotope Compositions of the Karoo Large Igneous Province, Botswanaâ€“Zimbabwe: Lithosphere vs Mantle Plume Contribution. <i>Journal of Petrology</i> , 2007, 48, 1043-1077.	1.1	266
129	Hafnium, neodymium, and strontium isotope and parent-daughter element systematics in basalts from the plume-ridge interaction system of the Salas y Gomez Seamount Chain and Easter Microplate. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	1.0	26
130	Geochemical characteristics of West Molokai shieldâ€“and postshieldâ€“stage lavas: Constraints on Hawaiian plume models. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, .	1.0	48
131	Isotopic portrayal of the Earthâ€™s upper mantle flow field. <i>Nature</i> , 2007, 447, 1069-1074.	13.7	104
132	Geochemical component relationships in MORB from the Mid-Atlantic Ridge, 22â€“35â°N. <i>Earth and Planetary Science Letters</i> , 2006, 241, 844-862.	1.8	65
133	Î³-ray irradiation in the early Solar System and the conundrum of the ¹⁷⁶ Lu decay constant. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1261-1270.	1.6	115
134	Europium isotopic variations in Allende CAIs and the nature of mass-dependent fractionation in the solar nebula. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4287-4294.	1.6	41
135	Cryptic striations in the upper mantle revealed by hafnium isotopes in southeast Indian ridge basalts. <i>Nature</i> , 2006, 440, 199-202.	13.7	57
136	Isotope and trace element evidence for depleted lithosphere in the source of enriched Koâ€™olau basalts. <i>Contributions To Mineralogy and Petrology</i> , 2006, 151, 297-312.	1.2	48
137	Response to Comment on "Heterogeneous Hadean Hafnium: Evidence of Continental Crust at 4.4 to 4.5 Ga". <i>Science</i> , 2006, 312, 1139b-1139b.	6.0	13
138	The Mesoproterozoic Zig-Zag Dal basalts and associated intrusions of eastern North Greenland: mantle plume?lithosphere interaction. <i>Contributions To Mineralogy and Petrology</i> , 2005, 149, 40-56.	1.2	64
139	Hf isotope compositions and HREE variations in off-craton garnet and spinel peridotite xenoliths from central Asia. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2399-2418.	1.6	63
140	Comment to â€“Pb isotopic analysis of standards and samples using a ²⁰⁷ Pbâ€“ ²⁰⁴ Pb double spike and thallium to correct for mass bias with a double-focusing MCâ€“ICPâ€“MSâ€“by Baker et al.. <i>Chemical Geology</i> , 2005, 217, 171-174.	1.4	14
141	The spectra of isotopic heterogeneities along the mid-Atlantic Ridge. <i>Earth and Planetary Science Letters</i> , 2005, 238, 96-109.	1.8	112
142	The age of SNC meteorites and the antiquity of the Martian surface. <i>Earth and Planetary Science Letters</i> , 2005, 240, 221-233.	1.8	123
143	Heterogeneous Hadean Hafnium: Evidence of Continental Crust at 4.4 to 4.5 Ga. <i>Science</i> , 2005, 310, 1947-1950.	6.0	476
144	Origin of depleted components in basalt related to the Hawaiian hot spot: Evidence from isotopic and incompatible element ratios. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, .	1.0	70

#	ARTICLE	IF	CITATIONS
145	Geochemical segmentation of the Mid-Atlantic Ridge north of Iceland and ridge-hot spot interaction in the North Atlantic. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	1.0	106
146	Geochemistry of Mauritius and the origin of rejuvenescent volcanism on oceanic island volcanoes. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, .	1.0	45
147	Melting in the Hawaiian plume at 1-2 Ma as recorded at Maui Nui: The role of eclogite, peridotite, and source mixing. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	1.0	31
148	Enriched components in the Hawaiian plume: Evidence from Kahoolawe Volcano, Hawaii. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	1.0	47
149	Geochemical Constraints on the Role of Oceanic Lithosphere in Intra-Volcano Heterogeneity at West Maui, Hawaii. <i>Journal of Petrology</i> , 2004, 45, 1663-1687.	1.1	44
150	Contrasting origins of the upper mantle revealed by hafnium and lead isotopes from the Southeast Indian Ridge. <i>Nature</i> , 2004, 432, 91-94.	13.7	165
151	Hf isotopic measurements on Barberton komatiites: effects of incomplete sample dissolution and importance for primary and secondary magmatic signatures. <i>Chemical Geology</i> , 2004, 207, 261-275.	1.4	51
152	Source enrichment processes responsible for isotopic anomalies in oceanic island basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2699-2724.	1.6	56
153	Precise and accurate isotopic measurements using multiple-collector ICPMS. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2725-2744.	1.6	474
154	Isotopic constraints on the cooling of the continental lithosphere. <i>Earth and Planetary Science Letters</i> , 2004, 223, 99-111.	1.8	74
155	Nature of the depleted upper mantle beneath the Atlantic: evidence from Hf isotopes in normal mid-ocean ridge basalts from 79°N to 55°S. <i>Earth and Planetary Science Letters</i> , 2004, 225, 89-103.	1.8	53
156	Geochronological, geochemical, and Nd-Hf isotopic constraints on the origin of Neoproterozoic plagiogranites in the Tasriwine ophiolite, Anti-Atlas orogen, Morocco. <i>Precambrian Research</i> , 2004, 135, 133-147.	1.2	113
157	Hawaiian hot spot dynamics as inferred from the Hf and Pb isotope evolution of Mauna Kea volcano. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	122
158	Aberrant youth: Chemical and isotopic constraints on the origin of off-axis lavas from the East Pacific Rise, 9°-10°N. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	79
159	Hafnium isotopic variations in volcanic rocks from the Caribbean Large Igneous Province and Galápagos hot spot tracks. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	52
160	Correction to "Volcanic evolution in the Galápagos: The dissected shield of Volcan Ecuador" by D. Geist, W. M. White, F. Albarede, K. Harpp, R. Reynolds, J. Blichert-Toft, and M. Kurz. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	2
161	Pb-Hf-Nd-Sr isotope variations along the Galápagos Spreading Center (101°-83°W): Constraints on the dispersal of the Galápagos mantle plume. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	62
162	Isotope and trace element variations in lavas from Raivavae and Rapa, Cook-Austral islands: constraints on the nature of HIMU- and EM-mantle and the origin of mid-plate volcanism in French Polynesia. <i>Chemical Geology</i> , 2003, 202, 115-138.	1.4	106

#	ARTICLE	IF	CITATIONS
163	Theistareykir revisited. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	142
164	Petrology and geochemistry of the unbrecciated achondrite Northwest Africa 1240 (NWA 1240): an HED parent body impact melt. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 3959-3970.	1.6	76
165	Implications of widespread high- $\delta^{17}\text{O}$ volcanism on the Arabian Plate for Afar mantle plume and lithosphere composition. <i>Chemical Geology</i> , 2003, 198, 47-61.	1.4	94
166	U-Pb geochronology and Hf-Nd isotope compositions of the oldest Neoproterozoic crust within the Cadomian orogen: new evidence for a unique juvenile terrane. <i>Earth and Planetary Science Letters</i> , 2003, 208, 165-180.	1.8	53
167	^{142}Nd evidence for early Earth differentiation. <i>Earth and Planetary Science Letters</i> , 2003, 214, 427-442.	1.8	169
168	Geodynamic implications of deep mantle upwelling in the source of Tertiary volcanics from the Veneto region (South-Eastern Alps). <i>Journal of Geodynamics</i> , 2003, 36, 563-590.	0.7	52
169	The Prinsen af Wales Bjerge Formation Lavas, East Greenland: the Transition from Tholeiitic to Alkalic Magmatism during Palaeogene Continental Break-up. <i>Journal of Petrology</i> , 2003, 44, 279-304.	1.1	62
170	Ancient and Modern Subduction Zone Contributions to the Mantle Sources of Lavas from the Lassen Region of California Inferred from Lu-Hf Isotopic Systematics. <i>Journal of Petrology</i> , 2002, 43, 705-723.	1.1	50
171	Hf Isotope Evidence for a Miocene Change in the Kerguelen Mantle Plume Composition. <i>Journal of Petrology</i> , 2002, 43, 1327-1339.	1.1	27
172	Upwelling of deep mantle material through a plate window: Evidence from the geochemistry of Italian basaltic volcanics. <i>Journal of Geophysical Research</i> , 2002, 107, ECV 7-1-ECV 7-19.	3.3	130
173	Hafnium isotopes in basalts from the southern Mid-Atlantic Ridge from 40°S to 55°S : Discovery and Shona plume-ridge interactions and the role of recycled sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1-25.	1.0	37
174	Volcanic evolution in the Galápagos: The dissected shield of Volcan Ecuador. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1 of 32-32 of 32.	1.0	34
175	Chemical and isotopic constraints on the generation and transport of magma beneath the East Pacific Rise. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3481-3504.	1.6	195
176	A slab breakoff model for the Neogene thermal evolution of South Karakorum and South Tibet. <i>Earth and Planetary Science Letters</i> , 2002, 195, 45-58.	1.8	225
177	The role of sediment recycling in EM-1 inferred from Os, Pb, Hf, Nd, Sr isotope and trace element systematics of the Pitcairn hotspot. <i>Earth and Planetary Science Letters</i> , 2002, 196, 197-212.	1.8	274
178	^{147}Sm - ^{143}Nd and ^{176}Lu - ^{176}Hf in eucrites and the differentiation of the HED parent body. <i>Earth and Planetary Science Letters</i> , 2002, 204, 167-181.	1.8	171
179	A short timescale for terrestrial planet formation from Hf-W chronometry of meteorites. <i>Nature</i> , 2002, 418, 949-952.	13.7	615
180	Hf isotope geochemistry of the Galapagos Islands. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	1.0	59

#	ARTICLE	IF	CITATIONS
181	Reply to the Comment by Igor M. Villa, Balz S. Kamber, and Thomas F. Nägler on "The Nd and Hf isotopic evolution of the mantle through the Archean. Results from the Isua supracrustals, West Greenland, and from the Birimian terranes of West Africa". <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2023-2025.	1.6	2
182	Complex Sm-Nd and Lu-Hf isotope systematics in metamorphic garnets from the Isua supracrustal belt, West Greenland. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 3177-3189.	1.6	67
183	A hafnium isotope and trace element perspective on melting of the depleted mantle. <i>Earth and Planetary Science Letters</i> , 2001, 190, 137-151.	1.8	534
184	Lu-Hf and Ar-Ar chronometry supports extreme rate of subduction zone metamorphism deduced from geospeedometry. <i>Tectonophysics</i> , 2001, 342, 23-38.	0.9	61
185	On the Lu-Hf Isotope Geochemistry of Silicate Rocks. <i>Geostandards and Geoanalytical Research</i> , 2001, 25, 41-56.	1.7	117
186	Hf-Nd isotope evidence for a transient dynamic regime in the early terrestrial mantle. <i>Nature</i> , 2000, 404, 488-490.	13.7	57
187	Evidence from Sardinian basalt geochemistry for recycling of plume heads into the Earth's mantle. <i>Nature</i> , 2000, 408, 701-704.	13.7	80
188	Dating the Indian continental subduction and collisional thickening in the northwest Himalaya: Multichronology of the Tso Moriri eclogites. <i>Geology</i> , 2000, 28, 487.	2.0	309
189	Hf-Nd isotopic evolution of the lower crust. <i>Earth and Planetary Science Letters</i> , 2000, 181, 115-129.	1.8	172
190	Zr isotope anomalies in chondrites and the presence of ⁹² Nb in the early solar system. <i>Earth and Planetary Science Letters</i> , 2000, 184, 75-81.	1.8	42
191	Lu-hf garnet geochronology: closure temperature relative to the Sm-Nd system and the effects of trace mineral inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 3413-3432.	1.6	388
192	Depleted Iceland mantle plume geochemical signature: Artifact of multicomponent mixing?. <i>Geochemistry, Geophysics, Geosystems</i> , 2000, 1, n/a-n/a.	1.0	89
193	Lu-Hf Isotope Systematics of Garnet Pyroxenites from Beni Bousera, Morocco: Implications for Basalt Origin. <i>Science</i> , 1999, 283, 1303-1306.	6.0	146
194	Hf Isotope Evidence for Pelagic Sediments in the Source of Hawaiian Basalts. <i>Science</i> , 1999, 285, 879-882.	6.0	269
195	Relationships between Lu-Hf and Sm-Nd isotopic systems in the global sedimentary system. <i>Earth and Planetary Science Letters</i> , 1999, 168, 79-99.	1.8	936
196	Hf isotope compositions of komatiites. <i>Earth and Planetary Science Letters</i> , 1999, 171, 439-451.	1.8	110
197	The Lu-Hf isotope geochemistry of shergottites and the evolution of the Martian mantle-crust system. <i>Earth and Planetary Science Letters</i> , 1999, 173, 25-39.	1.8	153
198	Evolution of the depleted mantle: Hf isotope evidence from juvenile rocks through time. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 533-556.	1.6	1,263

#	ARTICLE	IF	CITATIONS
199	The Nd and Hf isotopic evolution of the mantle through the Archean. results from the Isua supracrustals, West Greenland, and from the Birimian terranes of West Africa. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 3901-3914.	1.6	140
200	Hf isotopic compositions of the Hawaii Scientific Drilling Project Core and the source mineralogy of Hawaiian basalts. <i>Geophysical Research Letters</i> , 1999, 26, 935-938.	1.5	42
201	Geochemical Earth Reference Model (GERM): description of the initiative. <i>Chemical Geology</i> , 1998, 145, 153-159.	1.4	23
202	“The Lu–Hf isotope geochemistry of chondrites and the evolution of the mantle–crust system” Earth and Planetary Science Letters, 1998, 154, 349.	1.8	23
203	A Hf-Nd isotopic correlation in ferromanganese nodules. <i>Geophysical Research Letters</i> , 1998, 25, 3895-3898.	1.5	120
204	The Lu-Hf isotope geochemistry of chondrites and the evolution of the mantle-crust system. <i>Earth and Planetary Science Letters</i> , 1997, 148, 243-258.	1.8	2,854
205	The Lu–Hf dating of garnets and the ages of the Alpine high-pressure metamorphism. <i>Nature</i> , 1997, 387, 586-589.	13.7	355
206	Separation of Hf and Lu for high-precision isotope analysis of rock samples by magnetic sector-multiple collector ICP-MS. <i>Contributions To Mineralogy and Petrology</i> , 1997, 127, 248-260.	1.2	737
207	Precambrian alkaline magmatism. <i>Lithos</i> , 1996, 37, 97-111.	0.6	62
208	Short-Lived Chemical Heterogeneities in the Archean Mantle with Implications for Mantle Convection. <i>Science</i> , 1994, 263, 1593-1596.	6.0	56
209	Selectively contaminated magmas of the Tertiary East Greenland macrodiike complex. <i>Contributions To Mineralogy and Petrology</i> , 1992, 110, 154-172.	1.2	66