

Erik E Scherer

List of Publications by Year in descending order

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56
papers

6,380
citations

136950

32
h-index

155660

55
g-index

59
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59
docs citations

59
times ranked

3873
citing authors

#	ARTICLE	IF	CITATIONS
1	The timing of blueschist-facies metamorphism in the Makrotantalón Unit on Andros Island, Greece: Cretaceous and Eocene high-pressure/low-temperature events?. <i>Geological Magazine</i> , 2022, 159, 1437-1453.	1.5	3
2	Petrological and Lu-Hf age constraints for eclogitic rocks from the Pam Peninsula, New Caledonia. <i>Lithos</i> , 2021, 388-389, 106073.	1.4	1
3	Potassium isotope composition of Mars reveals a mechanism of planetary volatile retention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	21
4	Neoproterozoic pre- and post-deformational metamorphism in the Western Domain of the Karagwe-Ankole Belt reconstructed by Lu-Hf garnet geochronology in the Kibuye-Gatumba area, Rwanda. <i>Precambrian Research</i> , 2020, 344, 105744.	2.7	6
5	Metamorphic petrology of a high- T /low- P granulite terrane (Damara belt, Namibia) - Constraints from pseudosection modelling and high-precision Lu-Hf garnet-whole rock dating. <i>Journal of Metamorphic Geology</i> , 2019, 37, 41-69.	3.4	21
6	Born in the Pacific and raised in the Caribbean: construction of the Escambray nappe stack, central Cuba. A review. <i>European Journal of Mineralogy</i> , 2019, 31, 5-34.	1.3	11
7	Thermal evolution of an ancient subduction interface revealed by Lu-Hf garnet geochronology, Halilbağ Complex (Anatolia). <i>Geoscience Frontiers</i> , 2019, 10, 127-148.	8.4	47
8	Evidence for evolved Hadean crust from Sr isotopes in apatite within Eoarchean zircon from the Acasta Gneiss Complex. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 450-462.	3.9	32
9	Reconciliation of the excess ^{176}Hf conundrum in meteorites: Recent disturbances of the Lu-Hf and Sm-Nd isotope systematics. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 212, 303-323.	3.9	9
10	The ^{176}Lu - ^{176}Hf systematics of ALM-A: A sample of the recent Almahata Sitta meteorite fall. <i>Geochemical Perspectives Letters</i> , 2017, , 45-54.	5.0	8
11	Barium isotope abundances in meteorites and their implications for early Solar System evolution. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 175, 282-298.	3.9	21
12	Prolonged magmatism on 4 Vesta inferred from Hf-W analyses of eucrite zircon. <i>Earth and Planetary Science Letters</i> , 2016, 452, 216-226.	4.4	38
13	Lu-Hf geochronology of Mississippian high-pressure metamorphism in the Acatlán Complex, southern México. <i>Gondwana Research</i> , 2016, 34, 174-186.	6.0	21
14	Effects of simple acid leaching of crushed and powdered geological materials on high-precision Pb isotope analyses. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2276-2302.	2.5	25
15	A rapid and efficient ion-exchange chromatography for Lu-Hf, Sm-Nd, and Rb-Sr geochronology and the routine isotope analysis of sub-ng amounts of Hf by MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2323-2333.	3.0	52
16	Boron isotopes in tourmaline as a tracer of metasomatic processes in the Bamble sector of Southern Norway. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	3.1	19
17	Revisiting the ^{142}Nd deficits in the 1.48 Ga Khariar alkaline rocks, India. <i>Chemical Geology</i> , 2014, 386, 238-248.	3.3	23
18	Evidence for extinct ^{135}Cs from Ba isotopes in Allende CAIs?. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 463-478.	3.9	14

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19	Isotopic evidence for chondritic Lu/Hf and Sm/Nd of the Moon. <i>Earth and Planetary Science Letters</i> , 2013, 380, 77-87.	4.4	74
20	Peak metamorphic temperatures from cation diffusion zoning in garnet. <i>Journal of Metamorphic Geology</i> , 2013, 31, 339-358.	3.4	14
21	Lu ¹⁷⁶ Hf and Sm ¹⁴⁷ Nd garnet geochronology: Chronometric closure and implications for dating petrological processes. <i>Earth and Planetary Science Letters</i> , 2013, 381, 222-233.	4.4	156
22	Major geological cycles substantiated by U ²³⁸ Pb ages and μ Hf of detrital zircon grains from the Lower Rhine Basin. <i>Chemical Geology</i> , 2012, 294-295, 63-74.	3.3	5
23	Where did the lower Paleozoic rocks of Yucatan come from? A U ²³⁸ Pb, Lu ¹⁷⁶ Hf, and Sm ¹⁴⁷ Nd isotope study. <i>Chemical Geology</i> , 2012, 312-313, 1-17.	3.3	54
24	Evaluation of the ⁸⁷ Rb decay constant by age comparison against the U ²³⁸ Pb system. <i>Earth and Planetary Science Letters</i> , 2011, 301, 1-8.	4.4	177
25	Changes in dip of subducted slabs at depth: Petrological and geochronological evidence from HP ⁶⁶ UHP rocks (Tianshan, NW-China). <i>Earth and Planetary Science Letters</i> , 2011, 310, 9-20.	4.4	172
26	Creep of garnet in eclogite: Mechanisms and implications. <i>Earth and Planetary Science Letters</i> , 2011, 311, 411-419.	4.4	31
27	Tracing two orogenic cycles in one eclogite sample by Lu ¹⁷⁶ Hf garnet chronometry. <i>Nature Geoscience</i> , 2011, 4, 178-183.	12.9	109
28	Provenance and exhumation of an exotic eclogite-bearing nappe in the Caledonides: a U ²³⁸ Pb and Rb ⁸⁷ Sr study of the JÅren nappe, SW Norway. <i>Journal of the Geological Society</i> , 2011, 168, 423-439.	2.1	27
29	Subducted seamounts in an eclogite-facies ophiolite sequence: the Andean Raspas Complex, SW Ecuador. <i>Contributions To Mineralogy and Petrology</i> , 2010, 159, 265-284.	3.1	84
30	Timing of eclogite facies metamorphism in the southernmost Scandinavian Caledonides by Lu ¹⁷⁶ Hf and Sm ¹⁴⁷ Nd geochronology. <i>Contributions To Mineralogy and Petrology</i> , 2010, 159, 521-539.	3.1	66
31	Geochemical characteristics and Sr ⁸⁷ Nd ¹⁴³ Hf isotope compositions of mantle xenoliths and host basalts from Assab, Eritrea: implications for the composition and thermal structure of the lithosphere beneath the Afar Depression. <i>Contributions To Mineralogy and Petrology</i> , 2010, 159, 731-751.	3.1	32
32	The behavior of the Hf isotope system in radiation-damaged zircon during experimental hydrothermal alteration. <i>American Mineralogist</i> , 2010, 95, 1343-1348.	1.9	80
33	Non-nucleosynthetic heterogeneity in non-radiogenic stable Hf isotopes: Implications for early solar system chronology. <i>Earth and Planetary Science Letters</i> , 2010, 295, 1-11.	4.4	80
34	U ²³⁸ Pb and Lu ¹⁷⁶ Hf isotope systematics of lower crust from central-southern Mexico – Geodynamic significance of Oaxaquia in a Rodinia Realm. <i>Precambrian Research</i> , 2010, 182, 149-162.	2.7	70
35	¹⁴² Nd evidence for an enriched Hadean reservoir in cratonic roots. <i>Nature</i> , 2009, 459, 1118-1121.	27.8	45
36	Lu-Hf garnet geochronology of eclogites from the Balma Unit (Pennine Alps): implications for Alpine paleotectonic reconstructions. <i>Swiss Journal of Geosciences</i> , 2008, 101, 173-189.	1.2	30

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37	Aragonite and magnesite in eclogites from the JÅ!ren nappe, SW Norway: disequilibrium in the system CaCO ₃ â€“MgCO ₃ and petrological implications. <i>Journal of Metamorphic Geology</i> , 2008, 26, 959-979.	3.4	26
38	Rapid eclogitisation of the Dabieâ€“Sulu UHP terrane: Constraints from Luâ€“Hf garnet geochronology. <i>Earth and Planetary Science Letters</i> , 2008, 273, 203-213.	4.4	75
39	Fractionation and mixing of Nd isotopes during thermal ionization mass spectrometry: implications for high precision ¹⁴² Nd/ ¹⁴⁴ Nd analyses. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 561.	3.0	48
40	Lu-Hf garnet geochronology of eclogites from the Balma Unit (Pennine Alps): implications for Alpine paleotectonic reconstructions. , 2008, , S173-S189.		2
41	High precision Luâ€“Hf geochronology of Eocene eclogite-facies rocks from Syros, Cyclades, Greece. <i>Chemical Geology</i> , 2007, 243, 16-35.	3.3	193
42	Zircon as a Monitor of Crustal Growth. <i>Elements</i> , 2007, 3, 19-24.	0.5	211
43	^{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.	3.9	115
44	High precision determinations of ⁸⁷ Rb/ ⁸⁵ Rb in geologic materials by MC-ICP-MS. <i>International Journal of Mass Spectrometry</i> , 2005, 246, 10-18.	1.5	64
45	Early core formation in asteroids and late accretion of chondrite parent bodies: Evidence from ¹⁸² Hf- ¹⁸² W in CAIs, metal-rich chondrites, and iron meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5805-5818.	3.9	288
46	Separation of U, Pb, Lu, and Hf from single zircons for combined Uâ€“Pb dating and Hf isotope measurements by TIMS and MC-ICPMS. <i>Chemical Geology</i> , 2005, 220, 105-120.	3.3	67
47	The W isotope composition of eucrite metals: constraints on the timing and cause of the thermal metamorphism of basaltic eucrites. <i>Earth and Planetary Science Letters</i> , 2005, 231, 41-52.	4.4	54
48	Trace element fractionation during fluid-induced eclogitization in a subducting slab: trace element and Luâ€“Hfâ€“Smâ€“Nd isotope systematics. <i>Earth and Planetary Science Letters</i> , 2004, 227, 441-456.	4.4	206
49	Evidence for a Neoproterozoic ocean in south-central Africa from mid-oceanic-ridgeâ€“type geochemical signatures and pressure-temperature estimates of Zambian eclogites. <i>Geology</i> , 2003, 31, 243.	4.4	133
50	Calibration of the Lutetium-Hafnium Clock. <i>Science</i> , 2001, 293, 683-687.	12.6	2,220
51	Separation of high field strength elements (Nb, Ta, Zr, Hf) and Lu from rock samples for MC-ICPMS measurements. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	2.5	411
52	Luâ€“hf garnet geochronology: closure temperature relative to the Smâ€“Nd system and the effects of trace mineral inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 3413-3432.	3.9	388
53	Late Silurian volcanism in coastal Maine: The Cranberry Island series. <i>Bulletin of the Geological Society of America</i> , 1999, 111, 686-708.	3.3	26
54	The Source Region and Melting Mineralogy of High-Titanium and Low-Titanium Lunar Basalts Deduced from Lu-Hf Isotope Data. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 525-544.	3.9	87

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55	Lu–Hf geochronology applied to dating Cenozoic events affecting lower crustal xenoliths from Kilbourne Hole, New Mexico. <i>Chemical Geology</i> , 1997, 142, 63-78.	3.3	62
56	Multistage magma mingling and the origin of flow banding in the Aliso lava dome, Tumacacori Mountains, southern Arizona. <i>Journal of Geophysical Research</i> , 1995, 100, 8381-8398.	3.3	21