

# Jeff D Vervoort

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

10,646  
citations

218677

26  
h-index

233421

45  
g-index

48  
all docs

48  
docs citations

48  
times ranked

4577  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconciling Garnet Lu-Hf and Sm-Nd and Monazite U-Pb Ages for a Prolonged Metamorphic Event, Northern New Mexico. <i>Journal of Petrology</i> , 2022, 63, .	2.8	4
2	Integrated garnet and zircon petrochronology reveals the timing and duration of orogenic events in the North China Craton. <i>Lithos</i> , 2021, 382-383, 105939.	1.4	3
3	Long-lived anatexis in the exhumed middle crust of the Torngat Orogen: Constraints from phase equilibria modeling and garnet, zircon, and monazite geochronology. <i>Lithos</i> , 2021, 388-389, 106022.	1.4	4
4	Combined Sm-Nd, Lu-Hf, and <sup>142</sup> Nd study of Paleoarchean basalts from the East Pilbara Terrane, Western Australia. <i>Chemical Geology</i> , 2021, 578, 120301.	3.3	14
5	The coupled Hf-Nd isotope record of the early Earth in the Pilbara Craton. <i>Earth and Planetary Science Letters</i> , 2021, 572, 117139.	4.4	19
6	Dating Continental Subduction Beneath the Samail Ophiolite: Garnet, Zircon, and Rutile Petrochronology of the As Sifah Eclogites, NE Oman. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022715.	3.4	9
7	Pressure-temperature-time paths from the Funeral Mountains, California, reveal Jurassic retroarc underthrusting during early Sevier orogenesis. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 1047-1065.	3.3	19
8	Disturbances in the Sm-Nd isotope system of the Acasta Gneiss Complex—Implications for the Nd isotope record of the early Earth. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115900.	4.4	33
9	Reconciliation of discrepant U-Pb, Lu-Hf, Sm-Nd, Ar-Ar and U-Th/He dates in an amphibolite from the Cathaysia Block in Southern China. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	17
10	Laser ablation split-stream analysis of the Sm-Nd and U-Pb isotope compositions of monazite, titanite, and apatite — Improvements, potential reference materials, and application to the Archean Saglek Block gneisses. <i>Chemical Geology</i> , 2020, 539, 119493.	3.3	42
11	Petrochronology of Wadi Tayin Metamorphic Sole Metasediment, With Implications for the Thermal and Tectonic Evolution of the Samail Ophiolite (Oman/UAE). <i>Tectonics</i> , 2020, 39, e2020TC006135.	2.8	24
12	Unraveling the complexity of zircons from the 4.0–2.9 Ga Acasta Gneiss Complex. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 283, 85-102.	3.9	10
13	Nd isotope re-equilibration during high temperature metamorphism across an orogenic belt: Evidence from monazite and garnet. <i>Chemical Geology</i> , 2020, 551, 119751.	3.3	15
14	Tectonic evolution of the Grenville Orogen in the central Appalachians. <i>Precambrian Research</i> , 2020, 346, 105740.	2.7	15
15	Origins of the terrestrial Hf-Nd mantle array: Evidence from a combined geodynamical-geochemical approach. <i>Earth and Planetary Science Letters</i> , 2019, 518, 26-39.	4.4	26
16	Deciphering the zircon Hf isotope systematics of Eoarchean gneisses from Greenland: Implications for ancient crust-mantle differentiation and Pb isotope controversies. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 76-97.	3.9	33
17	Integrated garnet and zircon-titanite geochronology constrains the evolution of ultra-high-pressure terranes: An example from the Sulu orogen. <i>Journal of Metamorphic Geology</i> , 2019, 37, 611-631.	3.4	4
18	Halogens, trace element concentrations, and Sr-Nd isotopes in apatite from iron oxide-apatite (IOA) deposits in the Chilean iron belt: Evidence for magmatic and hydrothermal stages of mineralization. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 246, 515-540.	3.9	84

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19	Using the magmatic record to constrain the growth of continental crust—The Eoarchean zircon Hf record of Greenland. <i>Earth and Planetary Science Letters</i> , 2018, 488, 79-91.	4.4	110
20	Tracking long-distance atmospheric deposition of trace metal emissions from smelters in the upper Columbia River valley using Pb isotope analysis of lake sediments. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5501-5513.	5.3	12
21	Bioavailability and uptake of smelter emissions in freshwater zooplankton in northeastern Washington, USA lakes using Pb isotope analysis and trace metal concentrations. <i>Environmental Pollution</i> , 2018, 238, 348-358.	7.5	10
22	Constraints on the timing and duration of orogenic events by combined Lu—Hf and Sm—Nd geochronology: An example from the Grenville orogeny. <i>Earth and Planetary Science Letters</i> , 2018, 501, 152-164.	4.4	34
23	Magmatic-tectonic control on the generation of silicic magmas in Iceland: Constraints from Hafnarfjall-Skar—shei—i volcano. <i>Lithos</i> , 2018, 318-319, 326-339.	1.4	11
24	Timescales of collisional metamorphism from Sm-Nd, Lu-Hf and U-Pb thermochronology: A case from the Proterozoic Putumayo Orogen of Amazonia. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 103-126.	3.9	21
25	Combining Nd isotopes in monazite and Hf isotopes in zircon to understand complex open-system processes in granitic magmas. <i>Geology</i> , 2017, 45, 267-270.	4.4	40
26	Transfer of Metasupracrustal Rocks to Midcrustal Depths in the North Cascades Continental Magmatic Arc, Skagit Gneiss Complex, Washington. <i>Tectonics</i> , 2017, 36, 3254-3276.	2.8	15
27	Coupled zircon Lu—Hf and U—Pb isotopic analyses of the oldest terrestrial crust, the >4.03 Ga Acasta Gneiss Complex. <i>Earth and Planetary Science Letters</i> , 2017, 458, 37-48.	4.4	83
28	Evolution of the Jura-Cretaceous North American Cordilleran margin: Insights from detrital-zircon U-Pb and Hf isotopes of sedimentary units of the North Cascades Range, Washington. , 2017, 13, 2094-2118.		20
29	Clarifying the zircon Hf isotope record of crust—mantle evolution. <i>Chemical Geology</i> , 2016, 425, 65-75.	3.3	242
30	Probing for Proterozoic and Archean crust in the northern U.S. Cordillera with inherited zircon from the Idaho batholith. <i>Bulletin of the Geological Society of America</i> , 2013, 125, 73-88.	3.3	62
31	The Hf—Nd isotopic composition of marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5903-5926.	3.9	449
32	Isotopic Evolution of the Idaho Batholith and Challis Intrusive Province, Northern US Cordillera. <i>Journal of Petrology</i> , 2011, 52, 2397-2429.	2.8	133
33	Migrating magmatism in the northern US Cordillera: in situ U—Pb geochronology of the Idaho batholith. <i>Contributions To Mineralogy and Petrology</i> , 2010, 159, 863-883.	3.1	134
34	Insights into the metamorphic evolution of the Belt—Purcell basin; evidence from Lu—Hf garnet geochronology. <i>Canadian Journal of Earth Sciences</i> , 2010, 47, 161-179.	1.3	58
35	Hadean crustal evolution revisited: New constraints from Pb—Hf isotope systematics of the Jack Hills zircons. <i>Earth and Planetary Science Letters</i> , 2010, 296, 45-56.	4.4	412
36	Hafnium and neodymium isotope variations in NE Atlantic seawater. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	49

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37	Coupled Lu-Hf and Sm-Nd geochronology constrains garnet growth in ultra-high pressure eclogites from the Dabie orogen. <i>Journal of Metamorphic Geology</i> , 2008, 26, 741-758.	3.4	124
38	The Lu-Hf and Sm-Nd isotopic composition of CHUR: Constraints from unequilibrated chondrites and implications for the bulk composition of terrestrial planets. <i>Earth and Planetary Science Letters</i> , 2008, 273, 48-57.	4.4	2,427
39	Origin of Mesoproterozoic A-type granites in Laurentia: Hf isotope evidence. <i>Earth and Planetary Science Letters</i> , 2006, 243, 711-731.	4.4	264
40	Subduction factory processes beneath the Guguan cross-chain, Mariana Arc: no role for sediments, are serpentinites important?. <i>Contributions To Mineralogy and Petrology</i> , 2006, 151, 202-221.	3.1	117
41	U-Pb baddeleyite ages and Hf, Nd isotope chemistry constraining repeated mafic magmatism in the Fennoscandian Shield from 1.6 to 0.9 Ga. <i>Contributions To Mineralogy and Petrology</i> , 2005, 150, 174-194.	3.1	192
42	Isotopic composition of Yb and the determination of Lu concentrations and Lu/Hf ratios by isotope dilution using MC-ICPMS. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	430
43	The $^{176}\text{Lu}$ decay constant determined by Lu-Hf and U-Pb isotope systematics of Precambrian mafic intrusions. <i>Earth and Planetary Science Letters</i> , 2004, 219, 311-324.	4.4	2,304
44	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.	4.4	936
45	Evolution of the depleted mantle: Hf isotope evidence from juvenile rocks through time. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 533-556.	3.9	1,263
46	Constraints on early Earth differentiation from hafnium and neodymium isotopes. <i>Nature</i> , 1996, 379, 624-627.	27.8	316
47	Petrogenesis of voluminous silicic magmas in the Sierra Madre Occidental large igneous province, Mexican Cordillera: Insights from zircon and Hf-O isotopes. , 0, , .		2