

Bernard Bingen

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78
papers

4,233
citations

37
h-index

64
g-index

85
ext. papers

4,685
ext. citations

3.5
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5.27
L-index

#	Paper	IF	Citations
78	Orogen styles in the East African Orogen: A review of the Neoproterozoic to Cambrian tectonic evolution. <i>Journal of African Earth Sciences</i> , 2013 , 86, 65-106	2.2	436
77	The East European Craton (Baltica) before and during the assembly of Rodinia. <i>Precambrian Research</i> , 2008 , 160, 23-45	3.9	285
76	Redistribution of rare earth elements, thorium, and uranium over accessory minerals in the course of amphibolite to granulite facies metamorphism: The role of apatite and monazite in orthogneisses from southwestern Norway. <i>Geochimica Et Cosmochimica Acta</i> , 1996 , 60, 1341-1354	5.5	179
75	Paleomagnetism and geochronology of the Malani Igneous Suite, Northwest India: Implications for the configuration of Rodinia and the assembly of Gondwana. <i>Precambrian Research</i> , 2009 , 170, 13-26	3.9	166
74	U-Pb monazite ages in amphibolite- to granulite-facies orthogneiss reflect hydrous mineral breakdown reactions: Sveconorwegian Province of SW Norway. <i>Contributions To Mineralogy and Petrology</i> , 1998 , 132, 336-353	3.5	155
73	Ilmenite as a Source for Zirconium during High-grade Metamorphism? Textural Evidence from the Caledonides of Western Norway and Implications for Zircon Geochronology. <i>Journal of Petrology</i> , 2001 , 42, 355-375	3.9	155
72	Trace element signature and U/Pb geochronology of eclogite-facies zircon, Bergen Arcs, Caledonides of W Norway. <i>Contributions To Mineralogy and Petrology</i> , 2004 , 147, 671-683	3.5	148
71	The 616 Ma Old Egersund Basaltic Dike Swarm, Sw Norway, and Late Neoproterozoic Opening of the Iapetus Ocean. <i>Journal of Geology</i> , 1998 , 106, 565-574	2	141
70	Geochronology of the Precambrian crust in the Mozambique belt in NE Mozambique, and implications for Gondwana assembly. <i>Precambrian Research</i> , 2009 , 170, 231-255	3.9	134
69	Low-temperature alteration of monazite: Fluid mediated coupled dissolution/precipitation, irradiation damage, and disturbance of the U/Pb and Th/Pb chronometers. <i>Chemical Geology</i> , 2012 , 330-331, 140-158	4.2	129
68	The Mesoproterozoic in the Nordic countries. <i>Episodes</i> , 2008 , 31, 29-34	1.6	114
67	Precise eclogitization ages deduced from Rb/Sr mineral systematics: The Maksyutov complex, Southern Urals, Russia. <i>Geochimica Et Cosmochimica Acta</i> , 2002 , 66, 1221-1235	5.5	82
66	Correlation of supracrustal sequences and origin of terranes in the Sveconorwegian orogen of SW Scandinavia: SIMS data on zircon in clastic metasediments. <i>Precambrian Research</i> , 2001 , 108, 293-318	3.9	81
65	Zircon U-Pb geochronology in the Bergen arc eclogites and their Proterozoic protoliths, and implications for the pre-Scandian evolution of the Caledonides in western Norway. <i>Bulletin of the Geological Society of America</i> , 2001 , 113, 640	3.9	78
64	Timing of Late Neoproterozoic glaciation on Baltica constrained by detrital zircon geochronology in the Hedmark Group, south-east Norway. <i>Terra Nova</i> , 2005 , 17, 250-258	3	77
63	Neoproterozoic recycling of the Sveconorwegian orogenic belt: Detrital-zircon data from the Sparagmite basins in the Scandinavian Caledonides. <i>Precambrian Research</i> , 2011 , 189, 347-367	3.9	74
62	Sveconorwegian massif-type anorthosites and related granitoids result from post-collisional melting of a continental arc root. <i>Earth-Science Reviews</i> , 2011 , 107, 375-397	10.2	74

61	Tectonic regimes and terrane boundaries in the high-grade Sveconorwegian belt of SW Norway, inferred from U ²³⁵ B zircon geochronology and geochemical signature of augen gneiss suites. <i>Journal of the Geological Society</i> , 1998 , 155, 143-154	2.7	65
60	Hot acidic Late Permian seas stifled life in record time. <i>Earth and Planetary Science Letters</i> , 2011 , 310, 389-400	4.0	62
59	Molybdenite Re ¹⁸⁷ Os dating of biotite dehydration melting in the Rogaland high-temperature granulites, S Norway. <i>Earth and Planetary Science Letters</i> , 2003 , 208, 181-195	5.3	62
58	Growth and collapse of a deeply eroded orogen: Insights from structural, geophysical, and geochronological constraints on the Pan-African evolution of NE Mozambique. <i>Tectonics</i> , 2008 , 27, n/a-n/a	4.3	60
57	Neoproterozoic palaeogeography in the North Atlantic Region: Inferences from the Akkajaure and Seve Nappes of the Scandinavian Caledonides. <i>Precambrian Research</i> , 2011 , 186, 127-146	3.9	53
56	Relations between 1.19-1.13 Ga continental magmatism, sedimentation and metamorphism, Sveconorwegian province, S Norway. <i>Precambrian Research</i> , 2003 , 124, 215-241	3.9	53
55	A Permian underplating event in late- to post-orogenic tectonic setting. Evidence from the mafic-ultramafic layered xenoliths from Beaunit (French Massif Central). <i>Chemical Geology</i> , 2003 , 199, 293-315	4.2	51
54	Geochronology and palaeomagnetism of the Hunnedalen dykes, SW Norway: implications for the Sveconorwegian apparent polar wander loop. <i>Earth and Planetary Science Letters</i> , 1999 , 169, 71-83	5.3	51
53	The Mecubutu and Alto Benfica Groups, NE Mozambique: Aids to unravelling ca. 1 and 0.5 Ga events in the East African Orogen. <i>Precambrian Research</i> , 2010 , 178, 72-90	3.9	49
52	The Chemistry of Quartz in Granitic Pegmatites of Southern Norway: Petrogenetic and Economic Implications. <i>Economic Geology</i> , 2015 , 110, 1737-1757	4.3	46
51	Cadmium-isotopic evidence for increasing primary productivity during the Late Permian anoxic event. <i>Earth and Planetary Science Letters</i> , 2015 , 410, 84-96	5.3	46
50	Molybdenite Re ¹⁸⁷ Os dating constrains gravitational collapse of the Sveconorwegian orogen, SW Scandinavia. <i>Lithos</i> , 2006 , 87, 328-346	2.9	46
49	Cause of Upper Triassic climate crisis revealed by Re ¹⁸⁷ Os geochemistry of Boreal black shales. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014 , 395, 222-232	2.9	45
48	Mesoproterozoic geology of the Nampula Block, northern Mozambique: Tracing fragments of Mesoproterozoic crust in the heart of Gondwana. <i>Precambrian Research</i> , 2010 , 182, 124-148	3.9	45
47	The Grenvillian-Sveconorwegian orogeny in Fennoscandia: Back-thrusting and extensional shearing along the Mylonite Zone. <i>Precambrian Research</i> , 2011 , 189, 368-388	3.9	44
46	Baltica-Laurentia link during the Mesoproterozoic: 1.27 Ga development of continental basins in the Sveconorwegian Orogen, southern Norway. <i>Canadian Journal of Earth Sciences</i> , 2002 , 39, 1425-1440	1.5	44
45	Digestion methods for trace element measurements in shales: Paleoredox proxies examined. <i>Chemical Geology</i> , 2012 , 324-325, 132-147	4.2	43
44	Re ¹⁸⁷ Os geochronology of Arctic black shales to evaluate the Anisian-Adrianian boundary and global faunal correlations. <i>Earth and Planetary Science Letters</i> , 2009 , 288, 581-587	5.3	43

43	Metasomatism of gabbro [mineral replacement and element mobilization during the Sveconorwegian metamorphic event. <i>Journal of Metamorphic Geology</i> , 2011 , 29, 399-423	4.4	41
42	Kinematics of the Høybakken detachment zone and the Mjørdalen Fault Complex, central Norway. <i>Journal of the Geological Society</i> , 2006 , 163, 303-318	2.7	39
41	THE GEOLOGY AND GEOCHEMISTRY OF THE EAST AFRICAN OROGEN IN NORTHEASTERN MOZAMBIQUE. <i>South African Journal of Geology</i> , 2010 , 113, 87-129	1.6	37
40	Hornblende $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology across terrane boundaries in the Sveconorwegian Province of S. Norway. <i>Precambrian Research</i> , 1998 , 90, 159-185	3.9	37
39	Isotope chemostratigraphy of marbles in northeastern Mozambique: Apparent depositional ages and tectonostratigraphic implications. <i>Precambrian Research</i> , 2008 , 162, 540-558	3.9	37
38	Early Palaeozoic orogenic collapse and voluminous late-tectonic magmatism in Dronning Maud Land and Mozambique: insights into the partially delaminated orogenic root of the East African Antarctic Orogen?. <i>Geological Society Special Publication</i> , 2008 , 308, 69-90	1.7	33
37	Chemical signals for oxidative weathering predict ReOs isochroneity in black shales, East Greenland. <i>Chemical Geology</i> , 2012 , 324-325, 108-121	4.2	32
36	Palaeocene faulting in SE Sweden from U-Pb dating of slickenfibres calcite. <i>Terra Nova</i> , 2017 , 29, 321-328	3	28
35	P-T evolution and textural evidence for decompression of Pan-African high-pressure granulites, Lurio Belt, north-eastern Mozambique. <i>Journal of Metamorphic Geology</i> , 2007 , 25, 935-952	4.4	28
34	Mesoproterozoic continental growth: U-Pb Hf zircon record in the Idefjorden Terrane, Sveconorwegian Orogen. <i>Precambrian Research</i> , 2015 , 261, 75-95	3.9	27
33	The Niassa Gold Belt, northern Mozambique – A segment of a continental-scale Pan-African gold-bearing structure?. <i>Journal of African Earth Sciences</i> , 2009 , 53, 45-58	2.2	27
32	K-Rich Calc-Alkaline Augen Gneisses of Grenvillian Age in SW Norway: Mingling of Mantle-Derived and Crustal Components. <i>Journal of Geology</i> , 1993 , 101, 763-778	2	27
31	Nanoscale evidence for uranium mobility in zircon and the discordance of U-Pb chronometers. <i>Earth and Planetary Science Letters</i> , 2015 , 409, 43-48	5.3	26
30	The 1160 Ma Hidderskog meta-charnockite: implications of this A-type pluton for the Sveconorwegian belt in Vest Agder (SW Norway). <i>Lithos</i> , 1995 , 36, 51-66	2.9	26
29	$^{40}\text{Ar}/^{39}\text{Ar}$ study of plagioclases from the Rogaland anorthosite complex (SW Norway); an attempt to understand argon ages in plutonic plagioclase. <i>Chemical Geology</i> , 2001 , 176, 105-135	4.2	25
28	Tracing the 1271–1246 Ma Central Scandinavian Dolerite Group mafic magmatism in Fennoscandia: U-Pb baddeleyite and Hf isotope data on the Moslåtten and Bågefjell dolerites. <i>Geological Magazine</i> , 2011 , 148, 632-643	2	23
27	Decoding a protracted zircon geochronological record in ultrahigh temperature granulite, and persistence of partial melting in the crust, Rogaland, Norway. <i>Contributions To Mineralogy and Petrology</i> , 2018 , 173, 1	3.5	21
26	Geochemical signature of the Egersund basaltic dyke swarm, SW Norway, in the context of late-Neoproterozoic opening of the Iapetus Ocean. <i>Norwegian Journal of Geology</i> , 1999 , 79, 69-86		20

25	The early-Sveconorwegian orogeny in southern Norway: Tectonic model involving delamination of the sub-continental lithospheric mantle. <i>Precambrian Research</i> , 2018 , 313, 170-204	3.9	20
24	Sulphate incorporation in monazite lattice and dating the cycle of sulphur in metamorphic belts. <i>Contributions To Mineralogy and Petrology</i> , 2016 , 171, 1	3.5	19
23	Timing, duration, and causes for Late Jurassic-Early Cretaceous anoxia in the Barents Sea. <i>Earth and Planetary Science Letters</i> , 2017 , 461, 151-162	5.3	18
22	1.05–1.01 Ga Sveconorwegian metamorphism and deformation of the supracrustal sequence at Svatn, South Norway: Re-Os dating of Cu-Mo mineral occurrences. <i>Geological Society Special Publication</i> , 2002 , 204, 319-335	1.7	17
21	The Sveconorwegian orogeny. <i>Gondwana Research</i> , 2021 , 90, 273-313	5.1	17
20	Geochronology of Paleoproterozoic Augen Gneisses in the Western Gneiss Region, Norway: Evidence For Sveconorwegian Zircon Neocrystallization and Caledonian Zircon Deformation. <i>Journal of Geology</i> , 2013 , 121, 105-128	2	16
19	A non-collisional, accretionary Sveconorwegian orogen [Comment. <i>Terra Nova</i> , 2013 , 25, 165-168	3	15
18	Multiple reactivation and strain localization along a Proterozoic orogen-scale deformation zone: The Kongsberg-Telemark boundary in southern Norway revisited. <i>Precambrian Research</i> , 2015 , 265, 78-103	3.9	14
17	Geochemistry of the Lyngdal hyperites (S.W. Norway): Comparison with the monzonorites associated with the Rogaland anorthosite complex. <i>Lithos</i> , 1990 , 24, 237-250	2.9	14
16	Aluminous Granulites of the Archean Craton of Kasai (Zaire): Petrology and P-T Conditions. <i>Journal of Petrology</i> , 1988 , 29, 899-919	3.9	14
15	Building up the first continents: Mesoarchean to Paleoproterozoic crustal evolution in West Troms, Norway, inferred from granitoid petrology, geochemistry and zircon U-Pb/Lu-Hf isotopes. <i>Precambrian Research</i> , 2019 , 321, 303-327	3.9	14
14	Two successive phases of ultrahigh temperature metamorphism in Rogaland, S. Norway: Evidence from Y-in-monazite thermometry. <i>Journal of Metamorphic Geology</i> , 2018 , 36, 1009-1037	4.4	13
13	Fluid-mediated alteration of (Y,REE,U,Th)(Nb,Ta,Ti) oxide minerals in granitic pegmatite from the Evje-lveland district, southern Norway. <i>Mineralogy and Petrology</i> , 2016 , 110, 581-599	1.6	12
12	Evolution of feldspars at the amphibolite-granulite-facies transition in augen gneisses (SW Norway): geochemistry and Sr isotopes. <i>Contributions To Mineralogy and Petrology</i> , 1990 , 105, 275-288	3.5	12
11	Localized occurrences of granulite: P-T modeling, U-Pb geochronology and distribution of early-Sveconorwegian high-grade metamorphism in Bamble, South Norway. <i>Lithos</i> , 2016 , 240-243, 84-103	3.9	11
10	Comment on Bybee et al. (2014): Pyroxene megacrysts in Proterozoic anorthosites: Implications for tectonic setting, magma source and magmatic processes at the Moho. <i>Earth and Planetary Science Letters</i> , 2014 , 401, 378-380	5.3	9
9	Trapping of helium in nano-bubbles in euxenite: Positive identification and implications. <i>Earth and Planetary Science Letters</i> , 2016 , 448, 133-139	5.3	8
8	Granulite-facies metamorphism of the Palaeoproterozoic-Early Palaeozoic gneiss domains of NE Mozambique, East African Orogen. <i>Geological Magazine</i> , 2017 , 154, 491-515	2	7

7	Kimberlites in a Karoo graben of northern Mozambique: Tectonic setting, mineralogy and Rb-Sr geochronology. <i>South African Journal of Geology</i> , 2007 , 110, 111-124	1.6	6
6	Formation and evolution of the Høgtuva beryllium deposit, Norway. <i>Contributions To Mineralogy and Petrology</i> , 2015 , 170, 1	3.5	5
5	Solid solution between potassic-obertiite and potassic-fluoro-magnesio-arfvedsonite in a silica-rich lamproite from northeastern Mozambique. <i>European Journal of Mineralogy</i> , 2008 , 20, 1011-1018	2.2	5
4	U/Pb geochronology of the syn-orogenic Knaben molybdenum deposits, Sveconorwegian Orogen, Norway. <i>Geological Magazine</i> , 2015 , 152, 537-556	2	4
3	A geochronological review of magmatism along the external margin of Columbia and in the Grenville-age orogens forming the core of Rodinia. <i>Precambrian Research</i> , 2022 , 106463	3.9	4
2	Tracing the Sveconorwegian orogen into the Caledonides of West Norway: Geochronological and isotopic studies on magmatism and migmatization. <i>Precambrian Research</i> , 2021 , 362, 106301	3.9	3
1	Transmission Electron Microscope Imaging Sharpens Geochronological Interpretation of Zircon and Monazite. <i>Geophysical Monograph Series</i> , 261-275	1.1	2