

Torgeir B Andersen

List of Publications by Year in descending order

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88
papers

5,159
citations

57719

44
h-index

88593

70
g-index

90
all docs

90
docs citations

90
times ranked

2364
citing authors

#	ARTICLE	IF	CITATIONS
1	Vestiges of the Pre-Caledonian Passive Margin of Baltica in the Scandinavian Caledonides: Overview, Revisions and Control on the Structure of the Mountain Belt. <i>Geosciences (Switzerland)</i> , 2022, 12, 57.	1.0	6
2	Widening of Hydrous Shear Zones During Incipient Eclogitization of Metastable Dry and Rigid Lower Crust, Holsn�y, Western Norway. <i>Tectonics</i> , 2021, 40, e2020TC006572.	1.3	21
3	Focal Mechanisms of Intraslab Earthquakes: Insights From Pseudotachylytes in Mantle Units. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021479.	1.4	3
4	Wave Anisotropy Caused by Partial Eclogitization of Descending Crust Demonstrated by Modeling Effective Petrophysical Properties. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008906.	1.0	7
5	Modification of the Seismic Properties of Subducting Continental Crust by Eclogitization and Deformation Processes. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 9731-9754.	1.4	20
6	A Mantle Plume Origin for the Scandinavian Dyke Complex: A "Piercing Point" for 615 Ma Plate Reconstruction of Baltica?. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1075-1094.	1.0	61
7	Emplacement mechanisms of a dyke swarm across the brittle-ductile transition and the geodynamic implications for magma-rich margins. <i>Earth and Planetary Science Letters</i> , 2019, 518, 223-235.	1.8	28
8	Reaction-induced embrittlement of the lower continental crust. <i>Geology</i> , 2019, 47, 235-238.	2.0	37
9	Timing of Breakup and Thermal Evolution of a Pre-Caledonian Neoproterozoic Exhumed Magma-Rich Rifted Margin. <i>Tectonics</i> , 2019, 38, 1843-1862.	1.3	36
10	The Interplay of Eclogitization and Deformation During Deep Burial of the Lower Continental Crust: A Case Study From the Bergen Arcs (Western Norway). <i>Tectonics</i> , 2019, 38, 898-915.	1.3	19
11	A review and reinterpretation of the architecture of the South and South-Central Scandinavian Caledonides: A magma-poor to magma-rich transition and the significance of the reactivation of rift inherited structures. <i>Earth-Science Reviews</i> , 2019, 192, 513-528.	4.0	39
12	Oxygen and carbon isotope compositions of carbonates in a prominent lithologically mixed unit in the central South Norwegian Caledonides. <i>International Journal of Earth Sciences</i> , 2018, 107, 1445-1463.	0.9	6
13	High Pressure Metamorphism Caused by Fluid Induced Weakening of Deep Continental Crust. <i>Scientific Reports</i> , 2018, 8, 17011.	1.6	44
14	Age and origin of thin discontinuous gneiss sheets in the distal domain of the magma-poor hyperextended pre-Caledonian margin of Baltica, southern Norway. <i>Journal of the Geological Society</i> , 2017, 174, 557-571.	0.9	35
15	Earthquakes in the Mantle? Insights From Rock Magnetism of Pseudotachylytes. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8769-8785.	1.4	10
16	Proterozoic magmatism in the southern Scandinavian Caledonides, with special reference to the occurrences in the Eikefjord Nappe. <i>Gff</i> , 2016, 138, 102-114.	0.4	5
17	Monazite response to ultrahigh-pressure subduction from U-Pb dating by laser ablation split stream. <i>Chemical Geology</i> , 2015, 409, 28-41.	1.4	46
18	The ocean-continent transition in the mid-Norwegian margin: Insight from seismic data and an onshore Caledonian field analogue. <i>Geology</i> , 2015, 43, 1011-1014.	2.0	55

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19	Debating the petrogenesis of Proterozoic anorthosites – Reply to comments by Vander Auwera et al. on ‘Pyroxene megacrysts in Proterozoic anorthosites: Implications for tectonic setting, magma source and magmatic processes at the Moho’. Earth and Planetary Science Letters, 2014, 401, 381-383.	1.8	6
20	Modeling thermal convection in supradetachment basins: example from western Norway. Geofluids, 2014, 14, 58-74.	0.3	12
21	Large subduction earthquakes along the fossil Moho in Alpine Corsica. Geology, 2014, 42, 395-398.	2.0	26
22	Pyroxene megacrysts in Proterozoic anorthosites: Implications for tectonic setting, magma source and magmatic processes at the Moho. Earth and Planetary Science Letters, 2014, 389, 74-85.	1.8	64
23	Structural, petrological and chemical analysis of synkinematic migmatites: insights from the Western Gneiss Region, Norway. Journal of Metamorphic Geology, 2014, 32, 647-673.	1.6	38
24	The Scandinavian Caledonides: main features, conceptual advances and critical questions. Geological Society Special Publication, 2014, 390, 9-43.	0.8	121
25	A weakening mechanism for intermediate-depth seismicity? Detailed petrographic and microtextural observations from blueschist facies pseudotachylytes, Cape Corse, Corsica. Tectonophysics, 2014, 610, 138-149.	0.9	35
26	Thermal structure of a major crustal shear zone, the basal thrust in the Scandinavian Caledonides. Earth and Planetary Science Letters, 2014, 385, 162-171.	1.8	19
27	Initiating intermediate-depth earthquakes: Insights from a HP ophiolite from Corsica. Lithos, 2014, 206-207, 127-146.	0.6	25
28	Crustal exhumation of the Western Gneiss Region UHP terrane, Norway: $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology and fault-slip analysis. Tectonophysics, 2013, 608, 1159-1179.	0.9	36
29	Shear heating in extensional detachments: Implications for the thermal history of the Devonian basins of W Norway. Tectonophysics, 2013, 608, 1073-1085.	0.9	19
30	Campaign-style titanite U-Pb dating by laser-ablation ICP: Implications for crustal flow, phase transformations and titanite closure. Chemical Geology, 2013, 341, 84-101.	1.4	205
31	Evidence for hyperextension along the pre-Caledonian margin of Baltica. Journal of the Geological Society, 2012, 169, 601-612.	0.9	94
32	Thermal structure of supra-detachment basins: a case study of the Devonian basins of western Norway. Journal of the Geological Society, 2012, 169, 427-434.	0.9	14
33	Clinopyroxene-rutile phyllonites from the East Tenda Shear Zone (Alpine Corsica, France): pressure-temperature-time constraints to the Alpine reworking of Variscan Corsica. Journal of the Geological Society, 2012, 169, 723-732.	0.9	35
34	Thermomechanical modeling of slab eduction. Journal of Geophysical Research, 2012, 117, .	3.3	58
35	Age and significance of Grenvillian and Silurian orogenic events in the Finnmarkian Caledonides, northern Norway This article is one of a series of papers published in this Special Issue on the theme of ‘Geochronology’ in honour of Tom Krogh.. Canadian Journal of Earth Sciences, 2011, 48, 419-440.	0.6	35
36	Structure and $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology of an ultrahigh-pressure transition in western Norway. Journal of the Geological Society, 2011, 168, 887-898.	0.9	25

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37	Cold subduction and the formation of lawsonite eclogite – constraints from prograde evolution of eclogitized pillow lava from Corsica. <i>Journal of Metamorphic Geology</i> , 2010, 28, 381-395.	1.6	72
38	An alternative model for ultra-high pressure in the Svartberget Fe-Ti garnet-peridotite, Western Gneiss Region, Norway. <i>European Journal of Mineralogy</i> , 2010, 21, 1119-1133.	0.4	62
39	Initiation of crustal-scale thrusts triggered by metamorphic reactions at depth: Insights from a comparison between the Himalayas and Scandinavian Caledonides. <i>Tectonics</i> , 2010, 29, n/a-n/a.	1.3	47
40	CO ₂ sequestration and extreme Mg depletion in serpentinized peridotite clasts from the Devonian Solund basin, SW-Norway. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6935-6964.	1.6	49
41	High-temperature deformation during continental-margin subduction & exhumation: The ultrahigh-pressure Western Gneiss Region of Norway. <i>Tectonophysics</i> , 2010, 480, 149-171.	0.9	211
42	Generation of intermediate-depth earthquakes by self-localizing thermal runaway. <i>Nature Geoscience</i> , 2009, 2, 137-140.	5.4	186
43	Stress release in exhumed intermediate and deep earthquakes determined from ultramafic pseudotachylyte. <i>Geology</i> , 2008, 36, 995.	2.0	80
44	Prograde amphibolite facies to ultrahigh-pressure transition along Nordfjord, western Norway: Implications for exhumation tectonics. <i>Tectonics</i> , 2007, 26, n/a-n/a.	1.3	69
45	Exhuming Norwegian ultrahigh-pressure rocks: Overprinting extensional structures and the role of the Nordfjord-Sogn Detachment Zone. <i>Tectonics</i> , 2007, 26, .	1.3	35
46	Applications of inclusion behaviour models to a major shear zone system: The Nordfjord-Sogn Detachment Zone in western Norway. <i>Journal of Structural Geology</i> , 2007, 29, 1622-1631.	1.0	42
47	Fossil earthquakes recorded by pseudotachylytes in mantle peridotite from the Alpine subduction complex of Corsica. <i>Earth and Planetary Science Letters</i> , 2006, 242, 58-72.	1.8	93
48	Kinematics of the Høybakken detachment zone and the Trøndelag Fault Complex, central Norway. <i>Journal of the Geological Society</i> , 2006, 163, 303-318.	0.9	49
49	Early Silurian mafic – ultramafic and granitic plutonism in contemporaneous flysch, Magerøy, northern Norway: U–Pb ages and regional significance. <i>Journal of the Geological Society</i> , 2006, 163, 291-301.	0.9	63
50	Metamorphic core complexes and gneiss-cored culminations along the Mid-Norwegian margin: an overview and some current ideas. <i>Norwegian Petroleum Society Special Publications</i> , 2005, , 29-41.	0.1	15
51	Softening triggered by eclogitization, the first step toward exhumation during continental subduction. <i>Earth and Planetary Science Letters</i> , 2005, 237, 532-547.	1.8	105
52	Eclogite-facies polyphase deformation of the Drøsdal eclogite, Western Gneiss Complex, Norway, and implications for exhumation. <i>Tectonophysics</i> , 2005, 398, 1-32.	0.9	21
53	Pseudotachylytes from Corsica: fossil earthquakes from a subduction complex. <i>Terra Nova</i> , 2004, 16, 193-197.	0.9	80
54	Pressure-temperature-time deformation history of the exhumation of ultra-high pressure rocks in the Western Gneiss Region, Norway. , 2004, , .		33

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55	Exhumation of high-pressure rocks beneath the Solund Basin, Western Gneiss Region of Norway. <i>Journal of Metamorphic Geology</i> , 2003, 21, 613-629.	1.6	67
56	The Proterozoic Hustad igneous complex: a low strain enclave with a key to the history of the Western Gneiss Region of Norway. <i>Precambrian Research</i> , 2003, 120, 149-175.	1.2	62
57	The Early Carboniferous Magerøy dykes, northern Norway: palaeomagnetism and palaeogeography. <i>Geological Magazine</i> , 2003, 140, 443-451.	0.9	10
58	Volcanic rocks in the Devonian Solund Basin, Western Norway: large landslides of Silurian (439±Ma) rhyolites. <i>Journal of the Geological Society</i> , 2002, 159, 121-128.	0.9	13
59	The Taimyr fold belt, Arctic Siberia: timing of pre-fold remagnetisation and regional tectonics. <i>Tectonophysics</i> , 2002, 352, 335-348.	0.9	63
60	U-Pb ages of the Dalsfjord Complex, SW Norway, and their bearing on the correlation of allochthonous crystalline segments of the Scandinavian Caledonides. <i>International Journal of Earth Sciences</i> , 2002, 91, 955-963.	0.9	63
61	Crustal-scale boudinage and migmatization of gneiss during their exhumation in the UHP Province of Western Norway. <i>Terra Nova</i> , 2002, 14, 263-270.	0.9	101
62	The middle Devonian basins of western Norway: sedimentary response to large-scale transtensional tectonics?. <i>Tectonophysics</i> , 2001, 332, 51-68.	0.9	111
63	Pre-Caledonian granulite and gabbro enclaves in the Western Gneiss Region, Norway: indications of incomplete transition at high pressure. <i>Geological Magazine</i> , 2000, 137, 235-255.	0.9	70
64	Devonian, orogen-parallel, opposed extension in the Central Norwegian Caledonides. <i>Geology</i> , 2000, 28, 615.	2.0	89
65	Structural, mineralogical and petrophysical effects on deep crustal rocks of fluid-limited polymetamorphism, Western Gneiss Region, Norway. <i>Journal of the Geological Society</i> , 2000, 157, 121-134.	0.9	64
66	Architecture of the Middle Devonian Kvamshesten Group, western Norway: sedimentary response to deformation above a ramp-flat extensional fault. <i>Geological Society Special Publication</i> , 2000, 180, 503-535.	0.8	21
67	Devonian, orogen-parallel, opposed extension in the Central Norwegian Caledonides. <i>Geology</i> , 2000, 28, 615-618.	2.0	4
68	Early Carboniferous Unroofing in Western Norway: A Tale of Alkali Feldspar Thermochronology. <i>Journal of Geology</i> , 1999, 107, 353-374.	0.7	49
69	Permian and Mesozoic extensional faulting within the Caledonides of central south Norway. <i>Journal of the Geological Society</i> , 1999, 156, 1073-1080.	0.9	61
70	Extensional tectonics in the Caledonides of southern Norway, an overview. <i>Tectonophysics</i> , 1998, 285, 333-351.	0.9	214
71	The tectonic significance of pre-Scandian ⁴⁰ Ar/ ³⁹ Ar phengite cooling ages in the Caledonides of western Norway. <i>Journal of the Geological Society</i> , 1998, 155, 297-309.	0.9	60
72	The age and tectonic significance of dolerite dykes in western Norway. <i>Journal of the Geological Society</i> , 1997, 154, 961-973.	0.9	46

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73	Absolute dating of brittle fault movements: Late Permian and late Jurassic extensional fault breccias in western Norway. <i>Terra Nova</i> , 1997, 9, 135-139.	0.9	72
74	Caledonian compressional and late-orogenic extensional deformation in the Staveneset area, Sunnfjord, Western Norway. <i>Journal of Structural Geology</i> , 1994, 16, 1385-1401.	1.0	54
75	Deep crustal fabrics and a model for the extensional collapse of the southwest Norwegian Caledonides. <i>Journal of Structural Geology</i> , 1994, 16, 1191-1203.	1.0	88
76	Stratigraphy, tectonostratigraphy and the accretion of outboard terranes in the Caledonides of Sunnhordland, W. Norway. <i>Tectonophysics</i> , 1994, 231, 71-84.	0.9	40
77	Structural observations adjacent to a large-scale extensional detachment zone in the hinterland of the Norwegian Caledonides. <i>Tectonophysics</i> , 1994, 231, 123-137.	0.9	18
78	The role of extensional tectonics in the Caledonides of south Norway: Discussion. <i>Journal of Structural Geology</i> , 1993, 15, 1379-1380.	1.0	25
79	Orogenic uplift and collapse, crustal thickness, fabrics and metamorphic phase changes: the role of eclogites. <i>Geological Society Special Publication</i> , 1993, 76, 325-343.	0.8	117
80	Geophysical investigation of the Honningsvåg igneous complex, Scandinavian Caledonides. <i>Journal of the Geological Society</i> , 1992, 149, 373-381.	0.9	13
81	Morphological instabilities during rapid growth of metamorphic garnets. <i>Physics and Chemistry of Minerals</i> , 1992, 19, 176.	0.3	60
82	Palaeomagnetic dating of fault rocks: evidence for Permian and Mesozoic movements and brittle deformation along the extensional Dalsfjord Fault, western Norway. <i>Geophysical Journal International</i> , 1992, 109, 565-580.	1.0	80
83	Subduction and eduction of continental crust: major mechanisms during continent-continent collision and orogenic extensional collapse, a model based on the south Norwegian Caledonides. <i>Terra Nova</i> , 1991, 3, 303-310.	0.9	364
84	The Solund-Stavfjord Ophiolite Complex and associated rocks, west Norwegian Caledonides: geology, geochemistry and tectonic environment. <i>Geological Magazine</i> , 1990, 127, 209-224.	0.9	58
85	The Sunnfjord Melange, evidence of Silurian ophiolite accretion in the West Norwegian Caledonides. <i>Journal of the Geological Society</i> , 1990, 147, 59-68.	0.9	82
86	Uplift of deep crust during orogenic extensional collapse: A model based on field studies in the Sogn-Sunnfjord Region of western Norway. <i>Tectonics</i> , 1990, 9, 1097-1111.	1.3	252
87	The age and distribution of basement rocks in the Caledonide orogen of the N Atlantic. <i>Geological Society Special Publication</i> , 1988, 38, 63-74.	0.8	10
88	An hyperextension assemblage, imbricated in Archean - Paleoproterozoic crust, at the bottom of the Kalak Nappe Complex in the northern Scandinavian Caledonides. <i>Journal of the Geological Society</i> , 0, , jgs2021-140.	0.9	0