

# Rob Strachan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6973545/publications.pdf>

Version: 2024-02-01

68  
papers

3,275  
citations

172457

29  
h-index

149698

56  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sedimentary basin and detrital zircon record along East Laurentia and Baltica during assembly and breakup of Rodinia. <i>Journal of the Geological Society</i> , 2007, 164, 257-275.	2.1	292
2	Sinistral transpression and the Silurian closure of Iapetus. <i>Journal of the Geological Society</i> , 1992, 149, 871-880.	2.1	259
3	Transpression and transtension zones. <i>Geological Society Special Publication</i> , 1998, 135, 1-14.	1.3	251
4	Neoproterozoic orogeny along the margin of Rodinia: Valhalla orogen, North Atlantic. <i>Geology</i> , 2010, 38, 99-102.	4.4	199
5	A reappraisal of the Sibson-Scholz fault zone model: The nature of the frictional to viscous (brittle-ductile) transition along a long-lived, crustal-scale fault, Outer Hebrides, Scotland. <i>Tectonics</i> , 2001, 20, 601-624.	2.8	127
6	Extensional versus compressional settings for metamorphism: Garnet chronometry and pressure-temperature-time histories in the Moine Supergroup, northwest Scotland. <i>Geology</i> , 1998, 26, 927.	4.4	120
7	SHRIMP U-Pb geochronology and metamorphic history of the Smallefjord sequence, NE Greenland Caledonides. <i>Journal of the Geological Society</i> , 1995, 152, 779-784.	2.1	117
8	U-Pb geochronology of regional migmatites in East Sutherland, Scotland: evidence for crustal melting during the Caledonian orogeny. <i>Journal of the Geological Society</i> , 1999, 156, 1143-1152.	2.1	98
9	U-Pb zircon geochronological evidence for Neoproterozoic events in the Glenfinnan Group (Moine) Tj ETQq1 1 0.784314 rgBT /Overl... <i>Mineralogy and Petrology</i> , 1997, 128, 101-113.	3.1	90
10	Three metamorphic events recorded in a single garnet: Integrated phase modelling, <i>in situ</i> LA-ICPMS and SIMS geochronology from the Moine Supergroup, NW Scotland. <i>Journal of Metamorphic Geology</i> , 2010, 28, 249-267.	3.4	81
11	The structure and rheological evolution of reactivated continental fault zones: a review and case study. <i>Geological Society Special Publication</i> , 2001, 184, 115-137.	1.3	74
12	The structural setting and U-Pb geochronology of Knoydartian pegmatites in W Inverness-shire: evidence for Neoproterozoic tectonothermal events in the Moine of NW Scotland. <i>Journal of the Geological Society</i> , 1998, 155, 685-696.	2.1	67
13	Dating deformation and cooling in the Caledonian thrust nappes of north Sutherland, Scotland: insights from $^{40}\text{Ar}/^{39}\text{Ar}$ and Rb-Sr chronology. <i>Journal of the Geological Society</i> , 2001, 158, 501-512.	2.1	67
14	Tectonostratigraphy of the Moine Supergroup: a synthesis. <i>Journal of the Geological Society</i> , 1998, 155, 13-24.	2.1	57
15	Regional Caledonian structure within an oblique convergence zone, Dronning Louise Land, NE Greenland. <i>Journal of the Geological Society</i> , 1992, 149, 359-371.	2.1	56
16	U-Pb geochronology of the Fort Augustus granite gneiss: constraints on the timing of Neoproterozoic and Palaeozoic tectonothermal events in the NW Highlands of Scotland. <i>Journal of the Geological Society</i> , 2001, 158, 7-14.	2.1	56
17	Lu-Hf and Sm-Nd dating of metamorphic garnet: evidence for multiple accretion events during the Caledonian orogeny in Scotland. <i>Journal of the Geological Society</i> , 2013, 170, 301-317.	2.1	51
18	Structure and early kinematic history of the Great Glen Fault Zone, Scotland. <i>Tectonics</i> , 1999, 18, 326-342.	2.8	49

#	ARTICLE	IF	CITATIONS
19	Constraints on early sinistral displacements along the Great Glen Fault Zone, Scotland: structural setting, U–Pb geochronology and emplacement of the syn-tectonic Clunes tonalite. <i>Journal of the Geological Society</i> , 2001, 158, 821-830.	2.1	49
20	Basement–cover relationships and structure within the Moine rocks of central and southeast Sutherland. <i>Journal of the Geological Society</i> , 1988, 145, 23-36.	2.1	48
21	Neoproterozoic and Rhyacian TTG-Sanukitoid suites in the southern São Francisco Palecontinent, Brazil: Evidence for diachronous change towards modern tectonics. <i>Geoscience Frontiers</i> , 2020, 11, 1763-1787.	8.4	45
22	The Cadomian orogeny in the North Armorican Massif: a brief review. <i>Geological Society Special Publication</i> , 1990, 51, 3-12.	1.3	43
23	Late Precambrian tectonothermal evolution of the Malverns Complex. <i>Journal of the Geological Society</i> , 1996, 153, 589-600.	2.1	42
24	Basement-influenced rifting and basin development: a reappraisal of post-Caledonian faulting patterns from the North Coast Transfer Zone, Scotland. <i>Geological Society Special Publication</i> , 2010, 335, 795-826.	1.3	41
25	Thermal structure and tectonic evolution of the Scandian orogenic wedge, Scottish Caledonides: integrating geothermometry, deformation temperatures and conceptual kinematic–thermal models. <i>Journal of Metamorphic Geology</i> , 2013, 31, 813-842.	3.4	39
26	Evidence for contemporaneous yet contrasting styles of granite magmatism during extensional collapse of the northeast Greenland Caledonides. <i>Tectonics</i> , 2001, 20, 458-473.	2.8	38
27	<sup>40</sup> Ar/ <sup>39</sup> Ar mineral age record in NE Greenland: implications for tectonic evolution of the North Atlantic Caledonides. <i>Journal of the Geological Society</i> , 1994, 151, 615-628.	2.1	36
28	Evidence for Caledonian sinistral strike-slip motion and associated fault zone weakening, Outer Hebrides Fault Zone, NW Scotland. <i>Journal of the Geological Society</i> , 1995, 152, 743-746.	2.1	34
29	Crustal thickening and ductile extension in the NE Greenland Caledonides: a metamorphic record from anatectic pelites. <i>Journal of Metamorphic Geology</i> , 2000, 18, 719-735.	3.4	34
30	Tectonic stratigraphy and structural continuity of the northernmost Moine Thrust Zone and Moine Nappe, Scottish Caledonides. <i>Geological Society Special Publication</i> , 2007, 272, 121-142.	1.3	29
31	Comparing Tibet-Himalayan and Caledonian crustal architecture, evolution and mountain building processes. <i>Geological Society Special Publication</i> , 2010, 335, 207-232.	1.3	29
32	Armorican provenance for the Malverns deposits below the Lizard ophiolite (Cornwall, UK): evidence for Devonian obduction of Cadomian and Lower Palaeozoic crust onto the southern margin of Avalonia. <i>International Journal of Earth Sciences</i> , 2014, 103, 1359-1383.	1.8	28
33	Age and tectonothermal record of Laurentian basement, Caledonides of NE Greenland. <i>Journal of the Geological Society</i> , 1993, 150, 371-379.	2.1	28
34	The Moine Supergroup of NW Scotland: insights into the analysis of polyorogenic supracrustal sequences. <i>Geological Society Special Publication</i> , 2010, 335, 233-254.	1.3	27
35	Progressive fold and fabric evolution associated with regional strain gradients: a case study from across a Scandian ductile thrust nappe, Scottish Caledonides. <i>Geological Society Special Publication</i> , 2010, 335, 255-274.	1.3	27
36	U–Pb detrital zircon geochronology of the Dalradian Supergroup, Shetland Islands, Scotland: implications for regional correlations and Neoproterozoic–Palaeozoic basin development. <i>Journal of the Geological Society</i> , 2013, 170, 905-916.	2.1	27

#	ARTICLE	IF	CITATIONS
37	Evidence for a complex accretionary history preceding the amalgamation of Columbia: The Rhyacian Minas-Bahia Orogen, southern São Francisco Paleocontinent, Brazil. <i>Gondwana Research</i> , 2021, 92, 149-171.	6.0	27
38	U–Pb zircon constraints on obduction initiation of the Unst Ophiolite: an oceanic core complex in the Scottish Caledonides?. <i>Journal of the Geological Society</i> , 2015, 172, 279-282.	2.1	26
39	Patterns of Silurian deformation and magmatism during sinistral oblique convergence, northern Scottish Caledonides. <i>Journal of the Geological Society</i> , 2020, 177, 893-910.	2.1	26
40	Regional-scale lateral variation and linkage in ductile thrust architecture: the Oykel Transverse Zone, and mullions, in the Moine Nappe, NW Scotland. <i>Geological Society Special Publication</i> , 2010, 335, 359-381.	1.3	25
41	Tectonothermal chronology of early Cadomian arc development in Guernsey and Sark, Channel Islands. <i>Journal of the Geological Society</i> , 1991, 148, 691-702.	2.1	24
42	Chronology of Cadomian tectonothermal activity in the baie de Saint-Brieuc (north Brittany), France: evidence from <sup>40</sup> Ar/ <sup>39</sup> Ar mineral ages. <i>Canadian Journal of Earth Sciences</i> , 1991, 28, 762-773.	1.3	23
43	The influence of country rock structural architecture during pluton emplacement: the Loch Loyal syenites, Scotland. <i>Journal of the Geological Society</i> , 1999, 156, 163-175.	2.1	23
44	Direct field evidence for sinistral displacements along the Great Glen Fault Zone: late Caledonian reactivation of a regional basement structure?. <i>Journal of the Geological Society</i> , 1997, 154, 135-139.	2.1	21
45	The initiation and early tectonic significance of the Outer Hebrides Fault Zone, Scotland. <i>Geological Magazine</i> , 2002, 139, 609-619.	1.5	20
46	Provenance of the Highland Border Complex: constraints on Laurentian margin accretion in the Scottish Caledonides. <i>Journal of the Geological Society</i> , 2012, 169, 575-586.	2.1	20
47	First evidence of Renlandian (c. 950–940 Ma) orogeny in mainland Scotland: Implications for the status of the Moine Supergroup and circum-North Atlantic correlations. <i>Precambrian Research</i> , 2018, 305, 283-294.	2.7	20
48	Timing of post-tectonic Cadomian magmatism on Guernsey, Channel Islands: evidence from <sup>40</sup> Ar/ <sup>39</sup> Ar mineral ages. <i>Journal of the Geological Society</i> , 1992, 149, 139-147.	2.1	20
49	The stratigraphy and structure of the Moine rocks of the Loch Eil area, West Inverness-shire. <i>Scottish Journal of Geology</i> , 1985, 21, 9-22.	0.1	19
50	The internal structure of the Moine Nappe Complex and the stratigraphy of the Morar Group in the Fannichs–Beinn Dearg area, NW Highlands. <i>Scottish Journal of Geology</i> , 2011, 47, 1-20.	0.1	19
51	The Highland Border Ophiolite of Scotland: observations from the Highland Workshop field excursion of April 2008. <i>Scottish Journal of Geology</i> , 2009, 45, 13-18.	0.1	18
52	Evidence from Rb–Sr mineral ages for multiple orogenic events in the Caledonides of Shetland, Scotland. <i>Journal of the Geological Society</i> , 2016, 173, 489-503.	2.1	18
53	Structural setting and U–Pb zircon geochronology of the Glen Scaddle Metagabbro: evidence for polyphase Scandian ductile deformation in the Caledonides of northern Scotland. <i>Geological Magazine</i> , 2008, 145, 361-371.	1.5	16
54	Sedimentology of the early Neoproterozoic Morar Group in northern Scotland: implications for basin models and tectonic setting. <i>Journal of the Geological Society</i> , 2012, 169, 53-65.	2.1	16

#	ARTICLE	IF	CITATIONS
55	Silurian–Devonian magmatism, mineralization, regional exhumation and brittle strike-slip deformation along the Loch Shin Line, NW Scotland. <i>Journal of the Geological Society</i> , 2015, 172, 748-762.	2.1	15
56	Cadomian strike-slip tectonics in NE Brittany. <i>Geological Society Special Publication</i> , 1990, 51, 151-168.	1.3	13
57	Contrasting magma emplacement mechanisms within the Rogart igneous complex, NW Scotland, record the switch from regional contraction to strike-slip during the Caledonian orogeny. <i>Geological Magazine</i> , 2014, 151, 899-915.	1.5	12
58	Continental tectonics and mountain building. The legacy of Peach and Horne: an introduction. <i>Geological Society Special Publication</i> , 2010, 335, 1-5.	1.3	12
59	Tectonic sliding within the Moinian Loch Eil Division near Kinlocheil, W. Inverness-shire. <i>Scottish Journal of Geology</i> , 1982, 18, 187-203.	0.1	11
60	The structural age and possible origin of the Vagastie Bridge granite and associated intrusions, central Sutherland. <i>Geological Magazine</i> , 1988, 125, 613-620.	1.5	11
61	Tectonic evolution of the Cadomian belt in north Brittany. <i>Geological Society Special Publication</i> , 1990, 51, 133-150.	1.3	11
62	Neoproterozoic shear zone tectonics within the Icartian basement of Guernsey and Sark, Channel Islands. <i>Geological Magazine</i> , 1996, 133, 177-192.	1.5	11
63	Geochemistry, petrogenesis and structural setting of the meta-igneous Strathy Complex: a unique basement block within the Scottish Caledonides?. <i>Geological Magazine</i> , 2004, 141, 209-223.	1.5	11
64	Caledonian and Pre-Caledonian orogenic events in Shetland, Scotland: evidence from garnet Lu–Hf and Sm–Nd geochronology. <i>Geological Society Special Publication</i> , 2020, , SP503-2020-32.	1.3	10
65	The Neoproterozoic Uyea Gneiss Complex, Shetland: an onshore fragment of the Rae Craton on the European Plate. <i>Journal of the Geological Society</i> , 2019, 176, 847-862.	2.1	9
66	The metamorphic basement geology of Mainland Orkney and Graemsay. <i>Scottish Journal of Geology</i> , 2003, 39, 145-149.	0.1	6
67	Evidence for an Early Silurian Synorogenic Basin Within the Metamorphic Hinterland of the North Atlantic Caledonides: Insights From the U–Pb Zircon Geochronology of the Funzie Conglomerate, Shetland, Scotland. <i>Tectonics</i> , 2018, 37, 2798-2817.	2.8	5
68	Caledonian sole thrust of central East Greenland: A crustal-scale Devonian extensional detachment?: Comment and Reply. <i>Geology</i> , 1996, 24, 471.	4.4	2