Rob Strachan

List of Publications by Year in descending order

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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	Evidence for a complex accretionary history preceding the amalgamation of Columbia: The Rhyacian Minas-Bahia Orogen, southern SÃ£o Francisco Paleocontinent, Brazil. Gondwana Research, 2021, 92, 149-171.	6.0	27
2	Caledonian and Pre-Caledonian orogenic events in Shetland, Scotland: evidence from garnet Luâ€“Hf and Smâ€“Nd geochronology. Geological Society Special Publication, 2020, , SP503-2020-32.	1.3	10
3	Patterns of Silurian deformation and magmatism during sinistral oblique convergence, northern Scottish Caledonides. Journal of the Geological Society, 2020, 177, 893-910.	2.1	26
4	Neoarchean and Rhyacian TTG-Sanukitoid suites in the southern SÃ£o Francisco Paleocontinent, Brazil: Evidence for diachronous change towards modern tectonics. Geoscience Frontiers, 2020, 11, 1763-1787.	8.4	45
5	The Neoarchean Uyea Gneiss Complex, Shetland: an onshore fragment of the Rae Craton on the European Plate. Journal of the Geological Society, 2019, 176, 847-862.	2.1	9
6	Evidence for an Early Silurian Synorogenic Basin Within the Metamorphic Hinterland of the North Atlantic Caledonides: Insights From the Uâ€Pb Zircon Geochronology of the Funzie Conglomerate, Shetland, Scotland. Tectonics, 2018, 37, 2798-2817.	2.8	5
7	First evidence of Renlandian (c. 950â€“940â€¯Ma) orogeny in mainland Scotland: Implications for the status of the Moine Supergroup and circum-North Atlantic correlations. Precambrian Research, 2018, 305, 283-294.	2.7	20
8	Evidence from Rbâ€“Sr mineral ages for multiple orogenic events in the Caledonides of Shetland, Scotland. Journal of the Geological Society, 2016, 173, 489-503.	2.1	18
9	Uâ€“Pb zircon constraints on obduction initiation of the Unst Ophiolite: an oceanic core complex in the Scottish Caledonides?. Journal of the Geological Society, 2015, 172, 279-282.	2.1	26
10	Silurianâ€“Devonian magmatism, mineralization, regional exhumation and brittle strike-slip deformation along the Loch Shin Line, NW Scotland. Journal of the Geological Society, 2015, 172, 748-762.	2.1	15
11	Contrasting magma emplacement mechanisms within the Rogart igneous complex, NW Scotland, record the switch from regional contraction to strike-slip during the Caledonian orogeny. Geological Magazine, 2014, 151, 899-915.	1.5	12
12	Armorican provenance for the mÃ©lange deposits below the Lizard ophiolite (Cornwall, UK): evidence for Devonian obduction of Cadomian and Lower Palaeozoic crust onto the southern margin of Avalonia. International Journal of Earth Sciences, 2014, 103, 1359-1383.	1.8	28
13	Thermal structure and tectonic evolution of the Scandian orogenic wedge, <scp>S</scp>cottish Caledonides: integrating geothermometry, deformation temperatures and conceptual kinematicâ€thermal models. Journal of Metamorphic Geology, 2013, 31, 813-842.	3.4	39
14	Luâ€“Hf and Smâ€“Nd dating of metamorphic garnet: evidence for multiple accretion events during the Caledonian orogeny in Scotland. Journal of the Geological Society, 2013, 170, 301-317.	2.1	51
15	Uâ€“Pb detrital zircon geochronology of the Dalradian Supergroup, Shetland Islands, Scotland: implications for regional correlations and Neoproterozoicâ€“Palaeozoic basin development. Journal of the Geological Society, 2013, 170, 905-916.	2.1	27
16	Sedimentology of the early Neoproterozoic Morar Group in northern Scotland: implications for basin models and tectonic setting. Journal of the Geological Society, 2012, 169, 53-65.	2.1	16
17	Provenance of the Highland Border Complex: constraints on Laurentian margin accretion in the Scottish Caledonides. Journal of the Geological Society, 2012, 169, 575-586.	2.1	20
18	The internal structure of the Moine Nappe Complex and the stratigraphy of the Morar Group in the Fannichsâ€“Beinn Dearg area, NW Highlands. Scottish Journal of Geology, 2011, 47, 1-20.	0.1	19

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19	Three metamorphic events recorded in a single garnet: Integrated phase modelling, in situ LAâ€ICPMS and SIMS geochronology from the Moine Supergroup, NW Scotland. Journal of Metamorphic Geology, 2010, 28, 249-267.	3.4	81
20	The Moine Supergroup of NW Scotland: insights into the analysis of polyorogenic supracrustal sequences. Geological Society Special Publication, 2010, 335, 233-254.	1.3	27
21	Progressive fold and fabric evolution associated with regional strain gradients: a case study from across a Scandian ductile thrust nappe, Scottish Caledonides. Geological Society Special Publication, 2010, 335, 255-274.	1.3	27
22	Basement-influenced rifting and basin development: a reappraisal of post-Caledonian faulting patterns from the North Coast Transfer Zone, Scotland. Geological Society Special Publication, 2010, 335, 795-826.	1.3	41
23	Regional-scale lateral variation and linkage in ductile thrust architecture: the Oykel Transverse Zone, and mullions, in the Moine Nappe, NW Scotland. Geological Society Special Publication, 2010, 335, 359-381.	1.3	25
24	Comparing Tibet-Himalayan and Caledonian crustal architecture, evolution and mountain building processes. Geological Society Special Publication, 2010, 335, 207-232.	1.3	29
25	Neoproterozoic orogeny along the margin of Rodinia: Valhalla orogen, North Atlantic. Geology, 2010, 38, 99-102.	4.4	199
26	Continental tectonics and mountain building. The legacy of Peach and Horne: an introduction. Geological Society Special Publication, 2010, 335, 1-5.	1.3	12
27	The Highland Border Ophiolite of Scotland: observations from the Highland Workshop field excursion of April 2008. Scottish Journal of Geology, 2009, 45, 13-18.	0.1	18
28	Structural setting and Uâ€“Pb zircon geochronology of the Glen Scaddle Metagabbro: evidence for polyphase Scandian ductile deformation in the Caledonides of northern Scotland. Geological Magazine, 2008, 145, 361-371.	1.5	16
29	Tectonic stratigraphy and structural continuity of the northernmost Moine Thrust Zone and Moine Nappe, Scottish Caledonides. Geological Society Special Publication, 2007, 272, 121-142.	1.3	29
30	Sedimentary basin and detrital zircon record along East Laurentia and Baltica during assembly and breakup of Rodinia. Journal of the Geological Society, 2007, 164, 257-275.	2.1	292
31	Geochemistry, petrogenesis and structural setting of the meta-igneous Strathy Complex: a unique basement block within the Scottish Caledonides?. Geological Magazine, 2004, 141, 209-223.	1.5	11
32	The metamorphic basement geology of Mainland Orkney and Graemsay. Scottish Journal of Geology, 2003, 39, 145-149.	0.1	6
33	The initiation and early tectonic significance of the Outer Hebrides Fault Zone, Scotland. Geological Magazine, 2002, 139, 609-619.	1.5	20
34	Evidence for contemporaneous yet contrasting styles of granite magmatism during extensional collapse of the northeast Greenland Caledonides. Tectonics, 2001, 20, 458-473.	2.8	38
35	A reappraisal of the Sibson-Scholz fault zone model: The nature of the frictional to viscous (â€œbrittle-ductileâ€) transition along a long-lived, crustal-scale fault, Outer Hebrides, Scotland. Tectonics, 2001, 20, 601-624.	2.8	127
36	The structure and rheological evolution of reactivated continental fault zones: a review and case study. Geological Society Special Publication, 2001, 184, 115-137.	1.3	74

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37	Constraints on early sinistral displacements along the Great Glen Fault Zone, Scotland: structural setting, Uâ€“Pb geochronology and emplacement of the synâ€tectonic Clunes tonalite. Journal of the Geological Society, 2001, 158, 821-830.	2.1	49
38	Uâ€“Pb geochronology of the Fort Augustus granite gneiss: constraints on the timing of Neoproterozoic and Palaeozoic tectonothermal events in the NW Highlands of Scotland. Journal of the Geological Society, 2001, 158, 7-14.	2.1	56
39	Dating deformation and cooling in the Caledonian thrust nappes of north Sutherland, Scotland: insights from ⁴⁰ Ar/ ³⁹ Ar and Rbâ€“Sr chronology. Journal of the Geological Society, 2001, 158, 501-512.	2.1	67
40	Crustal thickening and ductile extension in the NE Greenland Caledonides: a metamorphic record from anatectic pelites. Journal of Metamorphic Geology, 2000, 18, 719-735.	3.4	34
41	Uâ€“Pb geochronology of regional migmatites in East Sutherland, Scotland: evidence for crustal melting during the Caledonian orogeny. Journal of the Geological Society, 1999, 156, 1143-1152.	2.1	98
42	Structure and early kinematic history of the Great Glen Fault Zone, Scotland. Tectonics, 1999, 18, 326-342.	2.8	49
43	The influence of country rock structural architecture during pluton emplacement: the Loch Loyal syenites, Scotland. Journal of the Geological Society, 1999, 156, 163-175.	2.1	23
44	Tectonostratigraphy of the Moine Supergroup: a synthesis. Journal of the Geological Society, 1998, 155, 13-24.	2.1	57
45	Transpression and transtension zones. Geological Society Special Publication, 1998, 135, 1-14.	1.3	251
46	Extensional versus compressional settings for metamorphism: Garnet chronometry and pressure-temperature-time histories in the Moine Supergroup, northwest Scotland. Geology, 1998, 26, 927.	4.4	120
47	The structural setting and Uâ€“Pb geochronology of Knoydartian pegmatites in W Inverness-shire: evidence for Neoproterozoic tectonothermal events in the Moineof NW Scotland. Journal of the Geological Society, 1998, 155, 685-696.	2.1	67
48	Direct field evidence for sinistral displacements along the Great Glen Fault Zone: late Caledonian reactivation of a regional basement structure?. Journal of the Geological Society, 1997, 154, 135-139.	2.1	21
49	U-Pb zircon geochronological evidence for Neoproterozoic events in the Glenfinnan Group (Moine) Tj ETQq1 1 0.784314 rgBT /Overlo Mineralogy and Petrology, 1997, 128, 101-113.	3.1	90
50	Late Precambrian tectonothermal evolution of the Malverns Complex. Journal of the Geological Society, 1996, 153, 589-600.	2.1	42
51	Caledonian sole thrust of central East Greenland: A crustal-scale Devonian extensional detachment?: Comment and Reply. Geology, 1996, 24, 471.	4.4	2
52	Neoproterozoic shear zone tectonics within the Icartian basement of Guernsey and Sark, Channel Islands. Geological Magazine, 1996, 133, 177-192.	1.5	11
53	Evidence for Caledonian sinistral strike-slip motion and associated fault zone weakening, Outer Hebrides Fault Zone, NW Scotland. Journal of the Geological Society, 1995, 152, 743-746.	2.1	34
54	SHRIMP U-Pb geochronology and metamorphic history of the Smallefjord sequence, NE Greenland Caledonides. Journal of the Geological Society, 1995, 152, 779-784.	2.1	117

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55	40Ar/39Ar mineral age record in NE Greenland: implications for tectonic evolution of the North Atlantic Caledonides. Journal of the Geological Society, 1994, 151, 615-628.	2.1	36
56	Age and tectonothermal record of Laurentian basement, Caledonides of NE Greenland. Journal of the Geological Society, 1993, 150, 371-379.	2.1	28
57	Regional Caledonian structure within an oblique convergence zone, Dronning Louise Land, NE Greenland. Journal of the Geological Society, 1992, 149, 359-371.	2.1	56
58	Sinistral transpression and the Silurian closure of Iapetus. Journal of the Geological Society, 1992, 149, 871-880.	2.1	259
59	Timing of post-tectonic Cadomian magmatism on Guernsey, Channel Islands: evidence from 40Ar/39Ar mineral ages. Journal of the Geological Society, 1992, 149, 139-147.	2.1	20
60	Chronology of Cadomian tectonothermal activity in the baie de Saint-Brieuc (north Brittany), France: evidence from ⁴⁰Ar/³⁹Ar mineral ages. Canadian Journal of Earth Sciences, 1991, 28, 762-773.	1.3	23
61	Tectonothermal chronology of early Cadomian arc development in Guernsey and Sark, Channel Islands. Journal of the Geological Society, 1991, 148, 691-702.	2.1	24
62	The Cadomian orogeny in the North Armorican Massif: a brief review. Geological Society Special Publication, 1990, 51, 3-12.	1.3	43
63	Tectonic evolution of the Cadomian belt in north Brittany. Geological Society Special Publication, 1990, 51, 133-150.	1.3	11
64	Cadomian strike-slip tectonics in NE Brittany. Geological Society Special Publication, 1990, 51, 151-168.	1.3	13
65	The structural age and possible origin of the Vagastie Bridge granite and associated intrusions, central Sutherland. Geological Magazine, 1988, 125, 613-620.	1.5	11
66	Basementâ€“cover relationships and structure within the Moine rocks of central and southeast Sutherland. Journal of the Geological Society, 1988, 145, 23-36.	2.1	48
67	The stratigraphy and structure of the Moine rocks of the Loch Eil area, West Inverness-shire. Scottish Journal of Geology, 1985, 21, 9-22.	0.1	19
68	Tectonic sliding within the Moinian Loch Eil Division near Kinlocheil, W. Inverness-shire. Scottish Journal of Geology, 1982, 18, 187-203.	0.1	11