J Brendan Murphy

List of Publications by Year
in descending order

159 papers	8,961 citations	44069 48 h-index	46799 89 g-index
163 all docs	163 docs citations	163 times ranked	3475 citing authors

#	Article	IF	Citations
1	The supercontinent cycle: A retrospective essay. Gondwana Research, 2014, 25, 4-29.	6.0	549
2	Evolution of the Rheic Ocean. Gondwana Research, 2010, 17, 194-222.	6.0	540
3	Two contrasting Phanerozoic orogenic systems revealed by hafnium isotope data. Nature Geoscience, 2011, 4, 333-337.	12.9	336
4	Linking collisional and accretionary orogens during Rodinia assembly and breakup: Implications for models of supercontinent cycles. Earth and Planetary Science Letters, 2016, 449, 118-126.	4.4	316
5	Origin of the Rheic Ocean: Rifting along a Neoproterozoic suture?. Geology, 2006, 34, 325.	4.4	304
6	Contrasting basement isotopic signatures and the palinspastic restoration of peripheral orogens: Example from the Neoproterozoic Avalonian-Cadomian belt. Geology, 1994, 22, 617.	4.4	299
7	Neoproterozoic?Early Paleozoic evolution of peri-Gondwanan terranes: implications for Laurentia-Gondwana connections. International Journal of Earth Sciences, 2004, 93, 659-682.	1.8	263
8	Supercontinent model for the contrasting character of Late Proterozoic orogenic belts. Geology, 1991, 19, 469.	4.4	233
9	A brief history of the Rheic Ocean. Geoscience Frontiers, 2012, 3, 125-135.	8.4	225
10	Neoproterozoic-early Palaeozoic tectonostratigraphy and palaeogeography of the peri-Gondwanan terranes: Amazonian v. West African connections. Geological Society Special Publication, 2008, 297, 345-383.	1.3	178
11	Model for the evolution of the Avalonian-Cadomian belt. Geology, 1989, 17, 735.	4.4	149
12	Self-subduction of the Pangaean globalÂplate. Nature Geoscience, 2008, 1, 549-553.	12.9	145
13	Diachronous postâ€orogenic magmatism within a developing orocline in Iberia, European Variscides. Tectonics, 2011, 30, .	2.8	143
14	Provenance and tectonic evolution of Ganderia: Constraints on the evolution of the Iapetus and Rheic oceans. Geology, 2012, 40, 987-990.	4.4	143
15	Do supercontinents introvert or extrovert?: Sm-Nd isotope evidence. Geology, 2003, 31, 873.	4.4	135
16	Contrasting modes of supercontinent formation and the conundrum of Pangea. Gondwana Research, 2009, 15, 408-420.	6.0	133
17	Synthesis and tectonic interpretation of the westernmost Paleozoic Variscan orogen in southern Mexico: From rifted Rheic margin to active Pacific margin. Tectonophysics, 2008, 461, 277-290.	2.2	117
18	Contiguous rather than discrete Paleozoic histories for the Avalon and Meguma terranes based on detrital zircon data. Geology, 2004, 32, 585.	4.4	112

#	Article	IF	Citations
19	Critical role of water in the formation of continental crust. Nature Geoscience, 2020, 13, 331-338.	12.9	108
20	Middle to late Paleozoic Acadian orogeny in the northern Appalachians: A Laramide-style plume-modified orogeny?. Geology, 1999, 27, 653.	4.4	107
21	Origins of the supercontinent cycle. Geoscience Frontiers, 2013, 4, 439-448.	8.4	103
22	The supercontinent cycle. Nature Reviews Earth & Environment, 2021, 2, 358-374.	29.7	102
23	Tectonic escape of a crustal fragment during the closure of the Rheic Ocean: Uâ€“Pb detrital zircon data from the Late Palaeozoic Pulo do Lobo and South Portuguese zones, southern Iberia. Journal of the Geological Society, 2011, 168, 383-392.	2.1	98
24	A Palaeoproterozoic tectono-magmatic lull as a potential trigger for the supercontinent cycle. Nature Geoscience, 2018, 11, 97-101.	12.9	98
25	Appinite suites: A record of the role of water in the genesis, transport, emplacement and crystallization of magma. Earth-Science Reviews, 2013, 119, 35-59.	9.1	95
26	Provenance analysis of the Paleozoic sequences of the northern Gondwana margin in NW Iberia: Passive margin to Variscan collision and orocline development. Gondwana Research, 2013, 23, 1089-1103.	6.0	87
27	Speculations on the mechanisms for the formation and breakup of supercontinents. Geoscience Frontiers, 2013, 4, 185-194.	8.4	83
28	Comparative evolution of the Iapetus and Rheic Oceans: A North America perspective. Gondwana Research, 2010, 17, 482-499.	6.0	82
29	Minas Fault Zone: Late Paleozoic history of an intra-continental orogenic transform fault in the Canadian Appalachians. Journal of Structural Geology, 2011, 33, 312-328.	2.3	81
30	Basement isotopic signatures and Neoproterozoic paleogeography of Avalonian-Cadomian and related terranes in the Circum-North Atlantic. , 1996, , 333-346.		80
31	The Pangea conundrum. Geology, 2008, 36, 703.	4.4	78
32	Probing crustal and mantle lithosphere origin through Ordovician volcanic rocks along the Iberian passive margin of Gondwana. Tectonophysics, 2008, 461, 166-180.	2.2	76
33	Plume-modified orogeny: An example from the western United States. Geology, 1998, 26, 731.	4.4	73
34	Ordovicianâ€“earliest Silurian rift tholeiites in the AcatlÃ¡n Complex, southern Mexico: Evidence of rifting on the southern margin of the Rheic Ocean. Tectonophysics, 2008, 461, 130-156.	2.2	70
35	Ediacaranâ€“Palaeozoic tectonic evolution of the Ossa Morena and Central Iberian zones (SW Iberia) as revealed by Smâ€“Nd isotope systematics. Tectonophysics, 2008, 461, 202-214.	2.2	70
36	Uppermost Precambrian(?)â€“Lower Cambrian of mainland Nova Scotia: faunas, depositional environments, and stratigraphic revision. Journal of Paleontology, 1991, 65, 382-396.	0.8	69

#	Article	IF	Citations
37	Gondwana's interlinked peripheral orogens. Earth and Planetary Science Letters, 2021, 568, 117057.	4.4	68
38	Continental mafic magmatism of different ages in the same terrane: Constraints on the evolution of an enriched mantle source. Geology, 2007, 35, 335.	4.4	67
39	Contrasting secondary mobility of Ti, P, Zr, Nb, and Y in two metabasaltic suites in the Appalachians. Canadian Journal of Earth Sciences, 1986, 23, 1138-1144.	1.3	66
40	Paleomagnetic constraints on the duration of the Australia-Laurentia connection in the core of the Nuna supercontinent. Geology, 2021, 49, 174-179.	4.4	66
41	The Acadian Orogeny in the Northern Appalachians. International Geology Review, 2005, 47, 663-687.	2.1	64
42	The role of megacontinents in the supercontinent cycle. Geology, 2021, 49, 402-406.	4.4	64
43	Geochemistry and Uâ€“Pb protolith ages of eclogitic rocks of the AsÃs Lithodeme, Piaxtla Suite, AcatlÃ¡n Complex, southern Mexico: tectonothermal activity along the southern margin of the Rheic Ocean. Journal of the Geological Society, 2006, 163, 683-695.	2.1	62
44	Detrital Zircon Data from the Eastern Mixteca Terrane, Southern Mexico: Evidence for an Ordovicianâ€"Mississippian Continental Rise and a Permo-Triassic Clastic Wedge Adjacent to Oaxaquia. International Geology Review, 2006, 48, 97-111.	2.1	57
45	AcatlÃ¡n Complex, southern Mexico: Record spanning the assembly and breakup of Pangea. Geology, 2006, 34, 857.	4.4	54
46	Neoproterozoicâ€“Early Devonian magmatism in the Antigonish Highlands, Avalon terrane, Nova Scotia: Tracking the evolution of the mantle and crustal sources during the evolution of the Rheic Ocean. Tectonophysics, 2008, 461, 181-201.	2.2	54
47	Potential geodynamic relationships between the development of peripheral orogens along the northern margin of Gondwana and the amalgamation of West Gondwana. Mineralogy and Petrology, 2013, 107, 635-650.	1.1	52
48	Structural analysis of an accretionary prism in a continental collisional setting, the Late Paleozoic Pulo do Lobo Zone, Southern Iberia. Gondwana Research, 2010, 17, 422-439.	6.0	51
49	Tectonic significance of the Late Proterozoic Economy River gneiss, Cobequid Highlands, Avalon Composite Terrane, Nova Scotia. Canadian Journal of Earth Sciences, 1993, 30, 474-479.	1.3	49
50	Tectonic implications of 40Ar/ 39Ar hornblende ages from late Proterozoic-Cambrian plutons in the Avalon Composite Terrane, Nova Scotia, Canada. Bulletin of the Geological Society of America, 1990, 102, 516-528.	3.3	48
51	Lithogeochemical and Sm-Nd and U-Pb isotope data from the Silurianâ€“Lower Devonian Arisaig Group clastic rocks, Avalon terrane, Nova Scotia: A record of terrane accretion in the Appalachian-Caledonide orogen. Bulletin of the Geological Society of America, 2004, 116, 1183.	3.3	48
52	A comparison of the evolution of arc complexes in Paleozoic interior and peripheral orogens: Speculations on geodynamic correlations. Gondwana Research, 2011, 19, 812-827.	6.0	48
53	Regional significance of new Uâ€“Pb age data for Neoproterozoic igneous units in Avalonian rocks of northern mainland Nova Scotia, Canada. Geological Magazine, 1997, 134, 113-120.	1.5	47
54	Age, geochemistry and Smâ€“Nd isotopic signature of the 0.76Ga Burin Group: Compositional equivalent of Avalonian basement?. Precambrian Research, 2008, 165, 37-48.	2.7	47

#	Article	IF	Citations
55	Reconciling competing models for the tectono-stratigraphic zonation of the Variscan orogen in Western Europe. Tectonophysics, 2016, 681, 209-219.	2.2	47
56	Highly depleted oceanic lithosphere in the Rheic Ocean: Implications for Paleozoic plate reconstructions. Lithos, 2011, 123, 165-175.	1.4	46
57	How was the Iapetus Ocean infected with subduction?. Geology, 2014, 42, 1095-1098.	4.4	46
58	Probing the composition of unexposed basement, South Portuguese Zone, southern Iberia: implications for the connections between the Appalachian and Variscan orogens. Canadian Journal of Earth Sciences, 2012, 49, 591-613.	1.3	45
59	Do Supercontinents Turn Inside-in or Inside-out?. International Geology Review, 2005, 47, 591-619.	2.1	44
60	Orogenesis and Basin Development: Uâ€Pb Detrital Zircon Age Constraints on Evolution of the Late Paleozoic St. Marys Basin, Central Mainland Nova Scotia. Journal of Geology, 2000, 108, 53-71.	1.4	43
61	Supercontinents and the case for Pannotia. Geological Society Special Publication, 2019, 470, 65-86.	1.3	43
62	Geochemical and isotopic characteristics of Early Silurian clastic sequences in Antigonish Highlands, Nova Scotia, Canada: constraints on the accretion of Avalonia in the Appalachian â€“ Caledonlde Orogen. Canadian Journal of Earth Sciences, 1996, 33, 379-388.	1.3	42
63	Geochemistry of the Neoproterozoic Metasedimentary Gamble Brook Formation, Avalon Terrane, Nova Scotia: Evidence for a Riftedâ€Arc Environment along the West Gondwanan Margin of Rodinia. Journal of Geology, 2002, 110, 407-419.	1.4	42
64	Distinct formation history for deep-mantle domains reflected in geochemical differences. Nature Geoscience, 2020, 13, 511-515.	12.9	42
65	Short duration of Early Permian Qiangtang-Panjal large igneous province: Implications for origin of the Neo-Tethys Ocean. Earth and Planetary Science Letters, 2021, 568, 117054.	4.4	39
66	Geology and geochronology of Paleozoic rocks in western AcatlÃ¡n Complex, southern Mexico: Evidence for contiguity across an extruded high-pressure belt and constraints on Paleozoic reconstructions. Bulletin of the Geological Society of America, 2009, 121, 1678-1694.	3.3	38
67	Appinite suites and their genetic relationship with coeval voluminous granitoid batholiths. International Geology Review, 2020, 62, 683-713.	2.1	38
68	The high-pressure Iberianâ€“Czech belt in the Variscan orogen: Extrusion into the upper (Gondwanan) plate?. Gondwana Research, 2010, 17, 306-316.	6.0	37
69	Unfolding the arc: The use of pre-orogenic constraints to assess the evolution of the Variscan belt in Western Europe. Tectonophysics, 2018, 736, 47-61.	2.2	37
70	Uâ€“Pb geochronology of Late Proterozoic rocks of the eastern Cobequid Highlands, Avalon Composite Terrane, Nova Scotia. Canadian Journal of Earth Sciences, 1991, 28, 504-511.	1.3	35
71	Supercontinents: myths, mysteries, and milestones. Geological Society Special Publication, 2019, 470, 39-64.	1.3	34
72	Pannotia: in defence of its existence and geodynamic significance. Geological Society Special Publication, 2021, 503, 13-39.	1.3	34

#	Article	IF	Citations
73	Neoproterozoic-early Paleozoic evolution of Avalonia. , 1999, , .		33
74	The application of lidar-derived digital elevation model analysis to geological mapping: an example from the Fundy Basin, Nova Scotia, Canada. Canadian Journal of Remote Sensing, 2006, 32, 173-193.	2.4	33
75	Uâ€“Pb geochronological constraints on the Triassicâ€“Jurassic AyÃº Complex, southern Mexico: Derivation from the western margin of Pangea-A. Gondwana Research, 2012, 22, 910-927.	6.0	33
76	Diachronous Paleozoic accretion of peri-Gondwanan terranes at the Laurentian margin. Geological Society Special Publication, 2019, 470, 289-310.	1.3	32
77	U-Pb geochronology of Late Palaeozoic plutons, Cobequid Highlands, Nova Scotia, Canada: evidence for Late Devonian emplacement adjacent to the Meguma-Avalon terrane boundary in the Canadian Appalachians. Geological Journal, 1996, 31, 179-188.	1.3	30
78	Mesoproterozoic Oaxaquia-type basement in peri-Gondwanan terranes of Mexico, the Appalachians, and Europe:T_{DM}age constraints on extent and significance. International Geology Review, 2012, 54, 313-324.	2.1	30
79	Uâ€“Pb geochronology and petrology of the late Paleozoic Gil Marquez pluton: magmatism in the Variscan suture zone, southern Iberia, during continental collision and the amalgamation of Pangea. International Journal of Earth Sciences, 2014, 103, 1433-1451.	1.8	30
80	Tectonic evolution of NW Iberia during the Paleozoic inferred from the geochemical record of detrital rocks in the Cantabrian Zone. Lithos, 2013, 182-183, 211-228.	1.4	29
81	Harmonic hierarchy of mantle and lithospheric convective cycles: Time series analysis of hafnium isotopes of zircon. Gondwana Research, 2019, 75, 239-248.	6.0	29
82	The amalgamation of Pangea: Paleomagnetic and geological observations revisited. Bulletin of the Geological Society of America, 2021, 133, 625-646.	3.3	29
83	Mapping subtle structures with light detection and ranging (LIDAR): flow units and phreatomagmatic rootless cones in the North Mountain Basalt, Nova Scotia. Canadian Journal of Earth Sciences, 2006, 43, 157-176.	1.3	28
84	Tectonic control on the origin and orientation of igneous layering: An example from the Greendale Complex,Antigonish Highlands, Nova Scotia, Canada. Geology, 1990, 18, 403.	4.4	27
85	Paleomagnetism of Cryogenian Kitoi mafic dykes in South Siberia: Implications for Neoproterozoic paleogeography. Precambrian Research, 2013, 231, 372-382.	2.7	27
86	Geochemical evidence for a widespread mantle re-enrichment 3.2 billion years ago: implications for global-scale plate tectonics. Scientific Reports, 2020, 10, 9461.	3.3	27
87	Tectonic significance of Late Ordovician silicic magmatism, Avalon terrane, northern Antigonish Highlands, Nova Scotia ¹ This article is one of a series of papers published in CJES Special Issue: In honour of Ward Neale on the theme of Appalachian and Grenvillian geology.² Contribution to International Geological Correlation Programme (IGCP) Paleomagnetic study of the late Neoproterozoic Bull Arm and Crown Hill formations (Musgravetown) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	26
88	paleogeography¹This article is one of a series of papers published in CJES Special Issue: In honour of Ward Neale on the theme of Appalachian and Grenvillian geology.. Canadian Journal of Earth Sciences, 2012, 49, 308-327.	1.3	26
89	Palaeozoic palaeogeography of Mexico: constraints from detrital zircon age data. Geological Society Special Publication, 2009, 327, 239-269.	1.3	25
90	Microchemistry of amphiboles near the roof of a mafic magma chamber: Insights into high level melt evolution. Lithos, 2012, 148, 162-175.	1.4	25

#	Article	IF	Citations
91	Role of Avalonia in the development of tectonic paradigms. Geological Society Special Publication, 2019, 470, 265-287.	1.3	25
92	Geochemistry of the Peramora MÃ©lange and Pulo do Lobo schist: geochemical investigation and tectonic interpretation of mafic mÃ©lange in the Pangean suture zone, Southern Iberia. International Journal of Earth Sciences, 2014, 103, 1415-1431.	1.8	24
93	U-Pb depositional age for the upper Barrios Formation (Armorican Quartzite facies) in the Cantabrian zone of Iberia: Implications for stratigraphic correlation and paleogeography. , 2007, , .		23
94	The origin of the Variscan upper allochthons in the Ortegal Complex, northwestern Iberia: Smâ€“Nd isotopic constraints on the closure of the Rheic Ocean. Canadian Journal of Earth Sciences, 2008, 45, 651-668.	1.3	23
95	Arc plutonism in a transtensional regime: the late Palaeozoic Totoltepec pluton, AcatlÃ¡n Complex, southern Mexico. International Geology Review, 2013, 55, 263-286.	2.1	23
96	40Arâ€“39Ar white mica ages reveal Neoproterozoic/Paleozoic provenance and an Alleghanian overprint in coeval Upper Ordovicianâ€“Lower Devonian rocks of Meguma and Avalonia. Tectonophysics, 2008, 461, 265-276.	2.2	22
97	⁴⁰ Ar/ ³⁹ Ar phlogopite geochronology of lamprophyre dykes in Cornwall, UK: new age constraints on Early Permian post-collisional magmatism in the Rhenohercynian Zone, SW England. Journal of the Geological Society, 2015, 172, 566-575.	2.1	22
98	Geochemistry and tectonic discrimination of Late Proterozoic arc-related volcaniclastic turbidite sequences, Antigonish Highlands, Nova Scotia. Canadian Journal of Earth Sciences, 1993, 30, 2273-2282.	1.3	21
99	Postorogenic alkali feldspar granite and associated pegmatites in West Avalonia: the petrology of the Neoproterozoic Georgeville Pluton, Antigonish Highlands, Nova Scotia. Canadian Journal of Earth Sciences, 1998, 35, 110-120.	1.3	21
100	Rheic Ocean mafic complexes: overview and synthesis. Geological Society Special Publication, 2009, 327, 343-369.	1.3	21
101	High pressure rocks of the AcatlÃ¡n Complex, southern Mexico: Large-scale subducted Ordovician rifted passive margin extruded into the upper plate during the Devonianâ€“Carboniferous. Tectonophysics, 2012, 560-561, 1-21.	2.2	21
102	Early Jurassic magmatism on the northern margin of CAMP: Derivation from a Proterozoic sub-continental lithospheric mantle. Lithos, 2011, 123, 158-164.	1.4	20
103	A hafnium isotopic record of magmatic arcs and continental growth in the Iapetus Ocean: The contrasting evolution of Ganderia and the peri-Laurentian margin. Gondwana Research, 2018, 58, 141-160.	6.0	20
104	Discussion and reply: West African proximity of the Avalon terrane in the latest Precambrian. Bulletin of the Geological Society of America, 2002, 114, 1049-1050.	3.3	19
105	Does the Meguma Terrane Extend into SW England?. Geoscience Canada, 2015, 42, 61-76.	0.8	19
106	Supercontinent reconstruction from recognition of leading continental edges. Geology, 2009, 37, 595-598.	4.4	18
107	Geochemistry and Smâ€“Nd isotopic systematics of Ediacaranâ€“Ordovician, sedimentary and bimodal igneous rocks in the western AcatlÃ¡n Complex, southern Mexico: Evidence for rifting on the southern margin of the Rheic Ocean. Lithos, 2010, 114, 155-167.	1.4	18
108	Ordovician ironstone of the Iberian margin: Coastal upwelling, ocean anoxia and Palaeozoic biodiversity. Depositional Record, 2020, 6, 581-604.	1.7	18

#	Article	IF	Citations
109	An eastern Mediterranean analogue for the Late Palaeozoic evolution of the Pangaean suture zone in SW Iberia. Geological Society Special Publication, 2016, 424, 241-263.	1.3	17
110	The largest plagiogranite on Earth formed by re-melting of juvenile proto-continental crust. Communications Earth & Environment, 2021, 2, .	6.8	17
111	Exotic rifted passive margin of a back-arc basin off western Pangea: geochemical evidence from the Early Mesozoic AyÃº Complex, southern Mexico. International Geology Review, 2013, 55, 863-881.	2.1	16
112	Late Neoproterozoic to Carboniferous genesis of A-type magmas in Avalonia of northern Nova Scotia: repeated partial melting of anhydrous lower crust in contrasting tectonic environments. International Journal of Earth Sciences, 2018, 107, 587-599.	1.8	16
113	Geochemistry of the Tremadocian TiÃ±u Formation (Southern Mexico): Provenance in the Underlying â^¼1 Ga Oaxacan Complex on the Southern Margin of the Rheic Ocean. International Geology Review, 2005, 47, 887-900.	2.1	14
114	Secular isotopic variation in lithospheric mantle through the Variscan orogen: Neoproterozoic to Cenozoic magmatism in continental Europe. Geology, 2019, 47, 637-640.	4.4	14
115	Kinematic history of the Bass River Complex, Nova Scotia: Cadomian tectonostratigraphic relations in the Avalon terrane of the Canadian Appalachians. Geological Society Special Publication, 1990, 51, 395-406.	1.3	13
116	Diagenesis to metamorphism transition in an episutural basin: the late Paleozoic St. Maryâ€™s Basin, Nova Scotia, Canada. Canadian Journal of Earth Sciences, 2010, 47, 121-135.	1.3	13
117	Highly depleted isotopic compositions evident in Iapetus and Rheic Ocean basalts: implications for crustal generation and preservation. International Journal of Earth Sciences, 2014, 103, 1219-1232.	1.8	13
118	LesleyaLesquereux from the Pennsylvanian of the Iberian Massif: part of a dryland megaflora from the Variscan orogen, northwestern Portugal. Canadian Journal of Earth Sciences, 2016, 53, 883-895.	1.3	13
119	Correlation of Neoproterozoic III sequences in the Avalon Composite Terrane of mainland Nova Scotia: tectonic implications. Atlantic Geology, 1992, 28, .	0.2	13
120	Fault-controlled emplacement of arc-related magmas along the Neoproterozoic northern Gondwanan margin: An example from the Antigonish Highlands, Nova Scotia. Precambrian Research, 2006, 147, 305-319.	2.7	12
121	Progressive magmatism and evolution of the Variscan suture in southern Iberia. International Journal of Earth Sciences, 2018, 107, 971-983.	1.8	12
122	Iberian-Appalachian connection is the missing link between Gondwana and Laurasia that confirms a Wegenerian Pangaea configuration. Scientific Reports, 2020, 10, 2498.	3.3	12
123	Late Precambrian to Late Devonian mafic magmatism in the Antigonish Highlands of Nova Scotia: multistage melting of a hydrated mantle. Canadian Journal of Earth Sciences, 1988, 25, 473-485.	1.3	11
124	Saddle reef auriferous veins in a conical fold termination (Oldham anticline, Meguma terrane, Nova) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 39, 53-63.	1.3	11
125	Zircon LA-ICPMS geochronology of the Cornubian Batholith, SW England. Tectonophysics, 2016, 681, 332-352.	2.2	11
126	Post-accretionary exhumation of the Meguma terrane relative to the Avalon terrane in the Canadian Appalachians. Tectonophysics, 2018, 747-748, 343-356.	2.2	11

#	Article	IF	Citations
127	Mylonitic mafic granulite in fault megabreccia at Clarke Head, Nova Scotia: a sample of Avalonian lower crust?. Geological Magazine, 1995, 132, 81-90.	1.5	10
128	P-T-t constraints on exhumation following subduction in the Rheic Ocean from eclogitic rocks in the Acatlàn Complex of southern Mèxico. , 2007, , .		10
129	Synorogenic Basins. Regional Geology Reviews, 2019, , 349-429.	1.2	10
130	Neoproterozoic to Cenozoic magmatism in the central part of the Bohemian Massif (Czech Republic): Isotopic tracking of the evolution of the mantle through the Variscan orogeny. Lithos, 2019, 326-327, 358-369.	1.4	10
131	Two-stage crustal growth in the Arabian-Nubian shield: Initial arc accretion followed by plume-induced crustal reworking. Precambrian Research, 2021, 359, 106211.	2.7	10
132	Pannotia: To be or not to be?. Earth-Science Reviews, 2022, 232, 104128.	9.1	10
133	Vestige of the Rheic Ocean in North America: The Acatlàn Complex of southern Mèxico. , 2007, , .		9
134	Fluid-driven low-grade metamorphism in polydeformed rocks of Avalonia (Arisaig Group, Nova Scotia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	9
135	Geochemistry and tectonic setting of the late Precambrian Folly River Formation, Cobequid Highlands, Avalon Terrane, Nova Scotia: a continental rift within a volcanic-arc environment. Atlantic Geology, 1989, 25, .	0.2	9
136	Endings and beginnings: Paleogeography of the Neoproterozoicâ€“Cambrian transition. Precambrian Research, 2006, 147, 187-192.	2.7	8
137	First Palaeozoic arachnid from Portugal and implications for Carboniferous palaeobiogeography. Geological Journal, 2013, 48, 101-107.	1.3	8
138	Mantle evolution in the Variscides of SW England: Geochemical and isotopic constraints from mafic rocks. Tectonophysics, 2016, 681, 353-363.	2.2	8
139	Pannotia's mantle signature: the quest for supercontinent identification. Geological Society Special Publication, 2021, 503, 41-61.	1.3	8
140	Trial by fire: Testing the paleolongitude of Pangea of competing reference frames with the African LLSVP. Geoscience Frontiers, 2020, 11, 1253-1256.	8.4	7
141	Middle Ordovician Upwelling-Related Ironstone of North Wales: Coated Grains, Ocean Chemistry, and Biological Evolution. Frontiers in Earth Science, 2021, 9, .	1.8	7
142	Formation of juvenile continental crust in northern Nubian Shield: New evidence from granitic zircon U-Pb-Hf-O isotopes. Precambrian Research, 2022, 379, 106791.	2.7	7
143	Acadian deformation in the shallow crust: an example from the Siluro-Devonian Arisaig Group, Avalon terrane, mainland Nova Scotia. Canadian Journal of Earth Sciences, 2006, 43, 71-81.	1.3	6
144	Evolution of Subduction Dynamics beneath West Avalonia in Middle to Late Ordovician Times. Lithosphere, 2020, 2020, .	1.4	6

#	Article	IF	Citations
145	Neoproterozoic juvenile crust development in the peri-Rodinian ocean: Implications for Grenvillian orogenesis. , 2004, , 135-144.		5
146	Pressure-temperature-time evolution of high-pressure rocks of the AcatlÃ¡n Complex (southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 the Geological Society of America, 2009, 121, 1456-1459.	3.3	5
147	Tectonic influence on late Proterozoic Avalonian magmatism: An example from the Greendale Complex, Antigonish Highlands, Nova Scotia, Canada. , 1997, , .		4
148	Geological evolution of middle to late Paleozoic rocks in the Avalon terrane of northern mainland Nova Scotia, Canadian Appalachians: A record of tectonothermal activity along the northern margin of the Rheic Ocean in the Appalachian-Caledonide orogen. , 2007, , .		4
149	Remote predictive mapping of a potential vent complex in the southern Antigonish Highlands using lidar, magnetics, and field mapping. Canadian Journal of Remote Sensing, 2009, 35, 486-495.	2.4	4
150	Changing mantle sources in a suture zone in the heart of Pangea: implications for collisional tectonics during the waning stages of ocean closure. International Journal of Earth Sciences, 2014, 103, 1403-1414.	1.8	4
151	O and H isotopic evidence for a mantle source of water in appinite magma: An example from the late Neoproterozoic Greendale Complex, Nova Scotia. Lithos, 2021, 386-387, 105997.	1.4	4
152	Paleomagnetism of the Guanyang Devonian sedimentary successions in Guangxi province, South China. Gondwana Research, 2022, 105, 143-159.	6.0	4
153	Mafic forearc cumulates and associated rocks in the central high-pressure belt of the AcatlÃ¡n Complex of southern MÃ©xico: geochemical constraints. International Geology Review, 2013, 55, 1401-1417.	2.1	2
154	Pannotia to Pangaea: Neoproterozoic and Paleozoic Orogenic Cycles in the Circum-Atlantic Region: A celebration of the career of Damian Nance. Geological Society Special Publication, 2021, 503, 1-11.	1.3	2
155	Upper Triassic Karmutsen Formation of Western Canada and Alaska: A Plume-Generated Oceanic Plateau Formed Along a Mid-Ocean Ridge Nucleated on a Late Paleozoic Active Margin. , 2011, , 3-27.		2
156	Structural analysis of the Creignish Hills Mylonite Zone, Cape Breton Island, Nova Scotia: implications for Neoproterozoic core complex development along the northern Gondwanan margin?. Journal of Geodynamics, 2005, 39, 231-246.	1.6	1
157	Secular variations in magmatism and tectonic implications. Lithos, 2011, 123, ix-xiv.	1.4	1
158	Corrigendum to â€œNeoproterozoic-Early Devonian Magmatism in the Antigonish Highlands, Avalon terrane, Nova Scotia: Tracking the evolution of the mantle and crustal sources during the evolution of the Rheic Oceanâ€•[Tectonophysics 461 (2008)181â€“201]. Tectonophysics, 2009, 470, 346.	2.2	0
159	Reply to comment on â€œPaleomagnetism of the Guanyang Devonian sedimentary successions in Guangxi province, South Chinaâ€• Gondwana Research, 2022, 107, 59-62.	6.0	0