

Michael P Searle

List of Publications by Year in descending order

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122
papers

10,740
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19657

61
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31849

101
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125
all docs

125
docs citations

125
times ranked

4495
citing authors

#	ARTICLE	IF	CITATIONS
1	The closing of Tethys and the tectonics of the Himalaya. Bulletin of the Geological Society of America, 1987, 98, 678.	3.3	633
2	Tectonic evolution of the central Annapurna Range, Nepalese Himalayas. Tectonics, 1996, 15, 1264-1291.	2.8	445
3	Shisha Pangma Leucogranite, South Tibetan Himalaya: Field Relations, Geochemistry, Age, Origin, and Emplacement. Journal of Geology, 1997, 105, 295-318.	1.4	345
4	Himalayan megathrust geometry and relation to topography revealed by the Gorkha earthquake. Nature Geoscience, 2016, 9, 174-180.	12.9	302
5	Tectonic evolution of the Mogok metamorphic belt, Burma (Myanmar) constrained by U-Th-Pb dating of metamorphic and magmatic rocks. Tectonics, 2007, 26, n/a-n/a.	2.8	278
6	Defining the Himalayan Main Central Thrust in Nepal. Journal of the Geological Society, 2008, 165, 523-534.	2.1	276
7	Channel flow, ductile extrusion and exhumation in continental collision zones: an introduction. Geological Society Special Publication, 2006, 268, 1-23.	1.3	257
8	Structure and metamorphism of rocks beneath the Semail ophiolite of Oman and their significance in ophiolite obduction. Transactions of the Royal Society of Edinburgh: Earth Sciences, 1980, 71, 247-262.	0.7	233
9	The tectonic evolution of the Kohistan-Karakoram collision belt along the Karakoram Highway transect, north Pakistan. Tectonics, 1999, 18, 929-949.	2.8	223
10	Tectonic evolution of the Sibumasu–Indochina terrane collision zone in Thailand and Malaysia: constraints from new U–Pb zircon chronology of SE Asian tin granitoids. Journal of the Geological Society, 2012, 169, 489-500.	2.1	216
11	Cretaceous-Tertiary Carbonate Platform Evolution and the Age of the India-Asia Collision along the Ladakh Himalaya (Northwest India). Journal of Geology, 2008, 116, 331-353.	1.4	208
12	Plate velocity exhumation of ultrahigh-pressure eclogites in the Pakistan Himalaya. Geology, 2006, 34, 989.	4.4	195
13	Thermal model for the Zaskar Himalaya. Journal of Metamorphic Geology, 1989, 7, 127-134.	3.4	184
14	Dating the geologic history of Oman's Semail ophiolite: insights from U-Pb geochronology. Contributions To Mineralogy and Petrology, 2005, 150, 403-422.	3.1	184
15	The Cretaceous–Tertiary deformation of the Lhasa Block and its implications for crustal thickening in Tibet. Tectonics, 1986, 5, 1-14.	2.8	173
16	Structural constraints on the timing of left-lateral shear along the Red River shear zone in the Ailao Shan and Diancang Shan Ranges, Yunnan, SW China. , 2010, 6, 316-338.		167
17	Age constraints on ductile deformation and long-term slip rates along the Karakoram fault zone, Ladakh. Earth and Planetary Science Letters, 2004, 226, 305-319.	4.4	165
18	Configuration of the Indian Moho beneath the NW Himalaya and Ladakh. Geophysical Research Letters, 2006, 33, .	4.0	155

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19	Synchronous formation of the metamorphic sole and igneous crust of the Semail ophiolite: New constraints on the tectonic evolution during ophiolite formation from high-precision U–Pb zircon geochronology. <i>Earth and Planetary Science Letters</i> , 2016, 451, 185-195.	4.4	154
20	Metamorphism, Melting, and Extension: Age Constraints from the High Himalayan Slab of Southeast Zaskar and Northwest Lahaul. <i>Journal of Geology</i> , 1999, 107, 473-495.	1.4	152
21	Chronology of deformation, metamorphism, and magmatism in the southern Karakoram Mountains. <i>Bulletin of the Geological Society of America</i> , 2001, 113, 1443-1455.	3.3	152
22	Sedimentological and structural evolution of the Arabian continental margin in the Musandam Mountains and Dibba zone, United Arab Emirates. <i>Bulletin of the Geological Society of America</i> , 1983, 94, 1381.	3.3	146
23	Petrochemistry and origin of sub-ophiolitic metamorphic and related rocks in the Oman Mountains. <i>Journal of the Geological Society</i> , 1982, 139, 235-248.	2.1	137
24	Structural geometry, style and timing of deformation in the Hawasina Window, Al Jabal al Akhdar and Saih Hatat culminations, Oman Mountains. <i>Georabia</i> , 2007, 12, 99-130.	1.6	137
25	Extensional and compressional faults in the Everest–Lhotse massif, Khumbu Himalaya, Nepal. <i>Journal of the Geological Society</i> , 1999, 156, 227-240.	2.1	134
26	Subduction zone metamorphism during formation and emplacement of the Semail ophiolite in the Oman Mountains. <i>Geological Magazine</i> , 2002, 139, 241-255.	1.5	133
27	Geochronology of granulitized eclogite from the Ama Drime Massif: Implications for the tectonic evolution of the South Tibetan Himalaya. <i>Tectonics</i> , 2009, 28, .	2.8	133
28	Integrated pressure–temperature–time constraints for the Tso Moriri dome (Northwest India): implications for the burial and exhumation path of UHP units in the western Himalaya. <i>Journal of Metamorphic Geology</i> , 2013, 31, 469-504.	3.4	133
29	Volcanic rocks beneath the Semail Ophiolite nappe in the northern Oman mountains and their significance in the Mesozoic evolution of Tethys. <i>Journal of the Geological Society</i> , 1980, 137, 589-604.	2.1	131
30	Channel flow and ductile extrusion of the high Himalayan slab-the Kangchenjunga–Darjeeling profile, Sikkim Himalaya. <i>Journal of Asian Earth Sciences</i> , 2005, 25, 173-185.	2.3	130
31	Trans-Hudson Orogen of North America and Himalaya-Karakoram-Tibetan Orogen of Asia: Structural and thermal characteristics of the lower and upper plates. <i>Tectonics</i> , 2006, 25, n/a-n/a.	2.8	128
32	Age of crustal melting and leucogranite formation from U-Pb zircon and monazite dating in the western Himalaya, Zaskar, India. <i>Geology</i> , 1995, 23, 1135.	4.4	117
33	Structure and metamorphism of blueschist–eclogite facies rocks from the northeastern Oman Mountains. <i>Journal of the Geological Society</i> , 1994, 151, 555-576.	2.1	115
34	Crustal melt granites and migmatites along the Himalaya: melt source, segregation, transport and granite emplacement mechanisms. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2009, 100, 219-233.	0.3	114
35	Age of crustal melting, emplacement and exhumation history of the Shivling leucogranite, Garhwal Himalaya. <i>Geological Magazine</i> , 1999, 136, 513-525.	1.5	113
36	Structural insights into the early stages of exhumation along an orogen-scale detachment: The South Tibetan Detachment System, Dzaskar Chu section, Eastern Himalaya. <i>Journal of Structural Geology</i> , 2007, 29, 1781-1797.	2.3	112

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37	Pressure, temperature and time constraints on Himalayan metamorphism from eastern Kashmir and western Zaskar. <i>Journal of the Geological Society</i> , 1992, 149, 753-773.	2.1	109
38	<i>D</i> paths of Everest Series schist, Nepal. <i>Journal of Metamorphic Geology</i> , 2008, 26, 717-739.	3.4	102
39	Metamorphism, melting, and channel flow in the Greater Himalayan Sequence and Makalu leucogranite: Constraints from thermobarometry, metamorphic modeling, and U-Pb geochronology. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	102
40	Stratigraphy, structure and evolution of the Tibetanâ€”Tethys zone in Zaskar and the Indus suture zone in the Ladakh Himalaya. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 1983, 73, 205-219.	0.7	99
41	Neo-Tethyan magmatism and metallogeny in Myanmar â€” An Andean analogue?. <i>Journal of Asian Earth Sciences</i> , 2015, 106, 197-215.	2.3	97
42	Uâ€”Pb zircon ages from the Spontang Ophiolite, Ladakh Himalaya. <i>Journal of the Geological Society</i> , 2001, 158, 513-520.	2.1	96
43	The northern Oman Tethyan continental margin: stratigraphy, structure, concepts and controversies. <i>Geological Society Special Publication</i> , 1990, 49, 3-25.	1.3	94
44	Thrust tectonics of the Dibba zone and the structural evolution of the Arabian continental margin along the Musandam mountains (Oman and United Arab Emirates). <i>Journal of the Geological Society</i> , 1988, 145, 43-53.	2.1	88
45	Structural and thermal evolution of the Karakoram crust. <i>Journal of the Geological Society</i> , 1991, 148, 65-82.	2.1	85
46	Structure of the Main Central Thrust zone and extrusion of the High Himalayan deep crustal wedge, Kishtwarâ€”Zaskar Himalaya. <i>Journal of the Geological Society</i> , 2001, 158, 637-652.	2.1	85
47	Uâ€”Pb zircon ages for Yarlung Tsangpo suture zone ophiolites, southwestern Tibet and their tectonic implications. <i>Gondwana Research</i> , 2015, 27, 719-732.	6.0	85
48	Metamorphic, magmatic, and tectonic evolution of the central Karakoram in the Biafo-Baltoro-Hushe regions of northern Pakistan. <i>Special Paper of the Geological Society of America</i> , 1989, , 47-74.	0.5	83
49	Relationships between right-lateral shear along the Karakoram fault and metamorphism, magmatism, exhumation and uplift: evidence from the K2â€”Gasherbrumâ€”Pangong ranges, north Pakistan and Ladakh. <i>Journal of the Geological Society</i> , 2007, 164, 439-450.	2.1	83
50	Geothermobarometry and development of inverted metamorphism in the Darjeeling-Sikkim region of the eastern Himalayan. <i>Journal of Metamorphic Geology</i> , 1989, 7, 95-110.	3.4	81
51	Crustal structure, restoration and evolution of the Greater Himalaya in Nepal-South Tibet: implications for channel flow and ductile extrusion of the middle crust. <i>Geological Society Special Publication</i> , 2006, 268, 355-378.	1.3	81
52	Structure of the Musandam culmination (Sultanate of Oman and United Arab Emirates) and the Straits of Hormuz syntaxis. <i>Journal of the Geological Society</i> , 1988, 145, 831-845.	2.1	79
53	The tectonic and metallogenic framework of Myanmar: A Tethyan mineral system. <i>Ore Geology Reviews</i> , 2016, 79, 26-45.	2.7	78
54	Structure of the metamorphic sole to the Oman Ophiolite, Sumeini Window and Wadi Tayyin: implications for ophiolite obduction processes. <i>Geological Society Special Publication</i> , 2014, 392, 155-175.	1.3	76

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55	The crustal architecture of Myanmar imaged through zircon U-Pb, Lu-Hf and O isotopes: Tectonic and metallogenic implications. <i>Gondwana Research</i> , 2018, 62, 27-60.	6.0	76
56	Tectonics of the Musandam Peninsula and northern Oman Mountains: From ophiolite obduction to continental collision. <i>Georabia</i> , 2014, 19, 135-174.	1.6	76
57	Dating the subduction of the Arabian continental margin beneath the Semail ophiolite, Oman. <i>Geology</i> , 2003, 31, 889.	4.4	74
58	Crustal stacking and expulsion tectonics during continental subduction: P-T deformation constraints from Oman. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	74
59	Structural evolution and vorticity of flow during extrusion and exhumation of the Greater Himalayan Slab, Mount Everest Massif, Tibet/Nepal: implications for orogen-scale flow partitioning. <i>Geological Society Special Publication</i> , 2006, 268, 379-413.	1.3	72
60	Low-angle normal faults in the compressional Himalayan orogen; Evidence from the Annapurna–Dhaulagiri Himalaya, Nepal. , 2010, 6, 296-315.		71
61	Rongbuk re-visited: Geochronology of leucogranites in the footwall of the South Tibetan Detachment System, Everest Region, Southern Tibet. <i>Lithos</i> , 2015, 227, 94-106.	1.4	69
62	Field relations, geochemistry, origin and emplacement of the Baltoro granite, Central Karakoram. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 1992, 83, 519-538.	0.7	68
63	Crustal melting, ductile flow, and deformation in mountain belts: Cause and effect relationships. <i>Lithosphere</i> , 2013, 5, 547-554.	1.4	65
64	Zircon age determinations for the Ladakh batholith at Chumathang (Northwest India): Implications for the age of the India–Asia collision in the Ladakh Himalaya. <i>Tectonophysics</i> , 2010, 495, 171-183.	2.2	62
65	Macrostructural and microstructural architecture of the Karakoram fault: Relationship between magmatism and strike-slip faulting. <i>Tectonics</i> , 2007, 26, n/a-n/a.	2.8	61
66	Structural and tectonic development of the Indo-Burma ranges. <i>Earth-Science Reviews</i> , 2020, 200, 102992.	9.1	60
67	Phase equilibria modelling of retrograde amphibole and clinozoisite in mafic eclogite from the Tso Moriri massif, northwest India: constraining the P – T – M (H_{2O}) conditions of exhumation. <i>Journal of Metamorphic Geology</i> , 2014, 32, 675-693.	3.4	59
68	Chapter 12–Tectonic and metamorphic evolution of the Mogok Metamorphic and Jade Mines belts and ophiolitic terranes of Burma (Myanmar). <i>Geological Society Memoir</i> , 2017, 48, 261-293.	1.7	50
69	Age of crystallization and cooling of the K2 gneiss in the Baltoro Karakoram. <i>Journal of the Geological Society</i> , 1990, 147, 603-606.	2.1	48
70	Combined thermobarometry and geochronology of peraluminous metapelites from the Karakoram metamorphic complex, North Pakistan; New insight into the tectonothermal evolution of the Baltoro and Hunza Valley regions. <i>Journal of Metamorphic Geology</i> , 2012, 30, 793-820.	3.4	48
71	Structural and tectonic evolution of the Jabal Sumeini – Al Ain – Buraimi region, northern Oman and eastern United Arab Emirates. <i>Georabia</i> , 2009, 14, 115-142.	1.6	45
72	Tectonic significance of 24 Ma crustal melting in the eastern Hindu Kush, Pakistan. <i>Geology</i> , 1998, 26, 871-874.	4.4	42

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73	Structure of the Hawasina Window culmination, central Oman Mountains. Transactions of the Royal Society of Edinburgh: Earth Sciences, 1986, 77, 143-156.	0.7	41
74	Chapter 2â€fActive tectonics of Myanmar and the Andaman Sea. Geological Society Memoir, 2017, 48, 19-52.	1.7	39
75	Accurate Relative Earthquake Hypocenters Reveal Structure of the Burma Subduction Zone. Bulletin of the Seismological Society of America, 2008, 98, 2815-2827.	2.3	38
76	Age and anatomy of the Gongga Shan batholith, eastern Tibetan Plateau, and its relationship to the active Xianshui-he fault. , 2016, 12, 948-970.		38
77	Timing of subduction initiation, arc formation, ophiolite obduction and Indiaâ€“Asia collision in the Himalaya. Geological Society Special Publication, 2019, 483, 19-37.	1.3	36
78	Restoration of the Western Himalaya: implications for metamorphic protoliths, thrust and normal faulting, and channel flow models. Episodes, 2007, 30, 242-257.	1.2	36
79	The metallogenic provinces of Myanmar. Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science, 2014, 123, 25-38.	0.8	34
80	Was Late Cretaceousâ€“Paleocene obduction of ophiolite complexes the primary cause of crustal thickening and regional metamorphism in the Pakistan Himalaya?. Geological Society Special Publication, 2010, 338, 345-359.	1.3	33
81	Did Oligocene crustal thickening precede basin development in northern Thailand? A geochronological reassessment of Doi Inthanon and Doi Suthep. Lithos, 2016, 240-243, 69-83.	1.4	32
82	Subsidence History and Seismic Stratigraphy of the Western Musandam Peninsula, Omanâ€“United Arab Emirates Mountains. Tectonics, 2018, 37, 154-181.	2.8	31
83	Introduction to Himalayan tectonics: a modern synthesis. Geological Society Special Publication, 2019, 483, 1-17.	1.3	30
84	Timing of Syeniteâ€“Charnockite Magmatism and Ruby and Sapphire Metamorphism in the Mogok Valley Region, Myanmar. Tectonics, 2020, 39, e2019TC005998.	2.8	30
85	Comparing Tibet-Himalayan and Caledonian crustal architecture, evolution and mountain building processes. Geological Society Special Publication, 2010, 335, 207-232.	1.3	29
86	Quantifying the <i>Pâ€“T</i> conditions of northâ€“south Lhasa terrane accretion: new insight into the preâ€“Himalayan architecture of the Tibetan plateau. Journal of Metamorphic Geology, 2015, 33, 91-113.	3.4	28
87	Constraints on brittle field exhumation of the Everestâ€“Makalu section of the Greater Himalayan Sequence: Implications for models of crustal flow. Tectonics, 2012, 31, .	2.8	27
88	Geophysical imaging of ophiolite structure in the United Arab Emirates. Nature Communications, 2020, 11, 2671.	12.8	27
89	Structure of the Jebel Sumeini-Jebel Ghawil area, Northern Oman. Geological Society Special Publication, 1990, 49, 361-374.	1.3	26
90	Controls on the rheological properties of peridotite at a palaeosubduction interface: A transect across the base of the Omanâ€“UAE ophiolite. Earth and Planetary Science Letters, 2018, 491, 193-206.	4.4	26

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91	Petrochronology of Wadi Tayin Metamorphic Sole Metasediment, With Implications for the Thermal and Tectonic Evolution of the Samail Ophiolite (Oman/UAE). <i>Tectonics</i> , 2020, 39, e2020TC006135.	2.8	24
92	Subduction zone polarity in the Oman Mountains: implications for ophiolite emplacement. <i>Geological Society Special Publication</i> , 2003, 218, 467-480.	1.3	23
93	Seismic stratigraphy and subsidence history of the United Arab Emirates (UAE) rifted margin and overlying foreland basins. <i>Frontiers in Earth Sciences</i> , 2013, , 127-143.	0.1	23
94	Structure of the northern Oman Mountains from the Samail Ophiolite to the Foreland Basin. <i>Geological Society Special Publication</i> , 2014, 392, 129-153.	1.3	22
95	Compressional metamorphic core complexes, low-angle normal faults and extensional fabrics in compressional tectonic settings. <i>Geological Magazine</i> , 2020, 157, 101-118.	1.5	22
96	High-Precision U-Pb Zircon Dating of Late Magmatism in the Samail Ophiolite: A Record of Subduction Initiation. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020758.	3.4	22
97	Spatial variation in exhumation rates across Ladakh and the Karakoram: New apatite fission track data from the Eastern Karakoram, NW India. <i>Tectonics</i> , 2016, 35, 704-721.	2.8	20
98	Mechanisms and timescales of felsic magma segregation, ascent and emplacement in the Himalaya. <i>Geological Society Special Publication</i> , 2006, 268, 293-308.	1.3	18
99	Towards resolving the metamorphic enigma of the Indian Plate in the NW Himalaya of Pakistan. <i>Geological Society Special Publication</i> , 2019, 483, 255-279.	1.3	18
100	Structural evolution of Jabal Qumayrah: A salt-intruded culmination in the northern Oman Mountains. <i>Georabia</i> , 2012, 17, 121-150.	1.6	17
101	The Age, Origin, and Emplacement of the Tsiknias Ophiolite, Tinos, Greece. <i>Tectonics</i> , 2020, 39, e2019TC005677.	2.8	16
102	Structural and metamorphic evolution of the Karakoram and Pamir following India-Kohistan-Asia collision. <i>Geological Society Special Publication</i> , 2019, 483, 555-582.	1.3	15
103	Structure of the Northern Oman-UAE Ophiolite: Widespread, Short-Lived, Suprasubduction Zone Magmatism. <i>Tectonics</i> , 2019, 38, 233-252.	2.8	15
104	The Origin of Felsic Intrusions Within the Mantle Section of the Samail Ophiolite: Geochemical Evidence for Three Distinct Mixing and Fractionation Trends. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020760.	3.4	14
105	Salt intrusions in Jabal Qumayrah, northern Oman Mountains: Implications from structural and gravity investigations. <i>Georabia</i> , 2013, 18, 141-176.	1.6	13
106	Structural and thermal evolution of the South Tibetan Detachment shear zone in the Mt Everest region, from the 1933 sample collection of L. R. Wager. <i>Geological Society Special Publication</i> , 2019, 478, 335-372.	1.3	12
107	Crustal melt granites and migmatites along the Himalaya: melt source, segregation, transport and granite emplacement mechanisms. , 2010, , .		11
108	Crustal Structure of the UAE-Oman Mountain Range and Arabian Rifted Passive Margin: New Constraints From Active and Passive Seismic Methods. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021374.	3.4	11

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109	Tectonic evolution of the Caledonian orogeny in Scotland: a review based on the timing of magmatism, metamorphism and deformation. <i>Geological Magazine</i> , 2022, 159, 124-152.	1.5	11
110	The Cycladic Blueschist Unit on Tinos, Greece: Cold NE Subduction and SW Directed Extrusion of the Cycladic Continental Margin Under the Tsiknias Ophiolite. <i>Tectonics</i> , 2020, 39, e2019TC005890.	2.8	10
111	Crustal and Mantle Deformation Inherited From Obduction of the Semail Ophiolite (Oman) and Continental Collision (Zagros). <i>Tectonics</i> , 2021, 40, e2020TC006644.	2.8	10
112	One line on the map: A review of the geological history of the Semail Thrust, Oman-UAE mountains. <i>Journal of Structural Geology</i> , 2022, 158, 104594.	2.3	10
113	Diagnostic features and processes in the construction and evolution of Oman-, Zagros-, Himalayan-, Karakoram-, and Tibetan-type orogenic belts. <i>Memoir of the Geological Society of America</i> , 2007, , 41-61.	0.5	9
114	Protolith lithostratigraphy of the Greater Himalayan Series in Langtang, Nepal: implications for the architecture of the northern Indian margin. <i>Geological Society Special Publication</i> , 2019, 483, 281-304.	1.3	9
115	Burial, Accretion, and Exhumation of the Metamorphic Sole of the Oman-UAE Ophiolite. <i>Tectonics</i> , 2021, 40, e2020TC006392.	2.8	9
116	Dating Continental Subduction Beneath the Semail Ophiolite: Garnet, Zircon, and Rutile Petrochronology of the As Sifah Eclogites, NE Oman. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022715.	3.4	9
117	Tectonics of the Nanga Parbat syntaxis and the western Himalaya: an introduction. <i>Geological Society Special Publication</i> , 2000, 170, 1-6.	1.3	7
118	Origin and implications of a thrust-bound gypsiferous unit along the western edge of Jabal Sumeini, northern Oman Mountains. <i>Journal of Asian Earth Sciences</i> , 2018, 154, 101-124.	2.3	7
119	Compressional origin of the Aegean Orogeny, Greece. <i>Geoscience Frontiers</i> , 2020, , .	8.4	6
120	Phase equilibria and microstructural constraints on the high- <i>P</i> building of the Kohistan island arc: The Jijal garnet granulites, northern Pakistan. <i>Journal of Metamorphic Geology</i> , 2022, 40, 145-174.	3.4	6
121	Reply to comment by Jason Ali and Jonathan C. Aitchison on ‘‘Trans-Hudson Orogen of North America and Himalaya-Karakoram-Tibet Orogen of Asia: Structural and thermal characteristics of lower and upper plates’’ by M. R. St-Onge et al.. <i>Tectonics</i> , 2007, 26, n/a-n/a.	2.8	4
122	UAE-Oman Mountains Give Clues to Oceanic Crust and Mantle Rocks. <i>Eos</i> , 2015, 96, .	0.1	2