

Michael Brown

List of Publications by Year in descending order

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121
papers

9,131
citations

36303

51
h-index

40979

93
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125
all docs

125
docs citations

125
times ranked

3789
citing authors

#	ARTICLE	IF	CITATIONS
1	Metamorphic Conditions in Orogenic Belts: A Record of Secular Change. <i>International Geology Review</i> , 2007, 49, 193-234.	2.1	514
2	Granite: From genesis to emplacement. <i>Bulletin of the Geological Society of America</i> , 2013, 125, 1079-1113.	3.3	464
3	Duality of thermal regimes is the distinctive characteristic of plate tectonics since the Neoproterozoic. <i>Geology</i> , 2006, 34, 961.	4.4	430
4	Delamination and recycling of Archaean crust caused by gravitational instabilities. <i>Nature Geoscience</i> , 2014, 7, 47-52.	12.9	358
5	Subduction styles in the Precambrian: Insight from numerical experiments. <i>Lithos</i> , 2010, 116, 209-229.	1.4	351
6	Secular change in metamorphism and the onset of global plate tectonics. <i>American Mineralogist</i> , 2018, 103, 181-196.	1.9	347
7	Earth's first stable continents did not form by subduction. <i>Nature</i> , 2017, 543, 239-242.	27.8	304
8	Generation of felsic crust in the Archean: A geodynamic modeling perspective. <i>Precambrian Research</i> , 2015, 271, 198-224.	2.7	246
9	Contrasting styles of Phanerozoic and Precambrian continental collision. <i>Gondwana Research</i> , 2014, 25, 522-545.	6.0	244
10	Behaviour of zircon and monazite during crustal melting. <i>Journal of the Geological Society</i> , 2014, 171, 465-479.	2.1	225
11	The contribution of metamorphic petrology to understanding lithosphere evolution and geodynamics. <i>Geoscience Frontiers</i> , 2014, 5, 553-569.	8.4	220
12	Evolution of orogenic belts and the causes of regional metamorphism. <i>Journal of the Geological Society</i> , 1993, 150, 227-241.	2.1	216
13	Retrograde processes in migmatites and granulites revisited. <i>Journal of Metamorphic Geology</i> , 2002, 20, 25-40.	3.4	208
14	Ultra-high-temperature metamorphism and multistage decompressional evolution of sapphirine granulites from the Palni Hill Ranges, southern India. <i>Journal of Metamorphic Geology</i> , 1997, 15, 379-399.	3.4	196
15	Plate Tectonics and the Archean Earth. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 291-320.	11.0	196
16	The mechanism of ascent and emplacement of granite magma during transpression: a syntectonic granite paradigm. <i>Tectonophysics</i> , 1999, 312, 1-33.	2.2	194
17	Modelling of mineral equilibria in ultrahigh-temperature metamorphic rocks from the Anjipolis-Itauçu Complex, central Brazil. <i>Journal of Metamorphic Geology</i> , 2005, 23, 511-531.	3.4	162
18	Osumilite-melt interactions in ultrahigh temperature granulites: phase equilibria modelling and implications for the evolution of the Eastern Ghats Province, India. <i>Journal of Metamorphic Geology</i> , 2013, 31, 881-907.	3.4	154

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19	How long-lived is ultrahigh temperature (UHT) metamorphism? Constraints from zircon and monazite geochronology in the Eastern Ghats orogenic belt, India. <i>Precambrian Research</i> , 2013, 234, 322-350.	2.7	152
20	Metamorphism and the evolution of plate tectonics. <i>Nature</i> , 2019, 572, 378-381.	27.8	141
21	Paired metamorphic belts revisited. <i>Gondwana Research</i> , 2010, 18, 46-59.	6.0	139
22	Unpairing metamorphic belts: P-T paths and a tectonic model for the Ryoke Belt, southwest Japan. <i>Journal of Metamorphic Geology</i> , 1998, 16, 3-22.	3.4	130
23	Exhumation mechanisms of melt-bearing ultrahigh pressure crustal rocks during collision of spontaneously moving plates. <i>Journal of Metamorphic Geology</i> , 2012, 30, 927-955.	3.4	122
24	Consequences of open-system melting in tectonics. <i>Journal of the Geological Society</i> , 2014, 171, 21-40.	2.1	114
25	Surface erosion events controlled the evolution of plate tectonics on Earth. <i>Nature</i> , 2019, 570, 52-57.	27.8	114
26	Metamorphism and the evolution of subduction on Earth. <i>American Mineralogist</i> , 2019, 104, 1065-1082.	1.9	105
27	The inclusion of LGBT+ health issues within undergraduate healthcare education and professional training programmes: A systematic review. <i>Nurse Education Today</i> , 2018, 64, 204-214.	3.3	103
28	New constraints on UHT metamorphism in the Eastern Ghats Province through the application of phase equilibria modelling and in situ geochronology. <i>Gondwana Research</i> , 2011, 20, 764-781.	6.0	101
29	Metamorphism, Plate Tectonics, and the Supercontinent Cycle. <i>Earth Science Frontiers</i> , 2007, 14, 1-18.	0.6	100
30	Age and duration of ultrahigh-temperature metamorphism in the Anápolis-Itaúçu Complex, Southern Brasília Belt, central Brazil – constraints from U-Pb geochronology, mineral rare earth element chemistry and trace element thermometry. <i>Journal of Metamorphic Geology</i> , 2008, 26, 213-233.	3.4	94
31	Secular change in TTG compositions: Implications for the evolution of Archaean geodynamics. <i>Earth and Planetary Science Letters</i> , 2019, 505, 65-75.	4.4	94
32	Orogeny, migmatites and leucogranites: A review. <i>Journal of Earth System Science</i> , 2001, 110, 313-336.	1.3	90
33	Topology of syntectonic melt-flow networks in the deep crust; inferences from three-dimensional images of leucosome geometry in migmatites. <i>American Mineralogist</i> , 1999, 84, 1793-1818.	1.9	89
34	Grain-scale melt distribution in two contact aureole rocks: implications for controls on melt localization and deformation. <i>Journal of Metamorphic Geology</i> , 2002, 20, 381-396.	3.4	89
35	First application of titanium-in-zircon thermometry to ultrahigh-temperature metamorphism. <i>Geology</i> , 2007, 35, 295.	4.4	86
36	Low-pressure subsolidus and suprasolidus phase equilibria in the MnNCKFMASH system: Constraints on conditions of regional metamorphism in western Maine, northern Appalachians. <i>American Mineralogist</i> , 2003, 88, 624-638.	1.9	81

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37	From microscope to mountain belt: 150 years of petrology and its contribution to understanding geodynamics, particularly the tectonics of orogens. <i>Journal of Geodynamics</i> , 2001, 32, 115-164.	1.6	79
38	Regional granulite facies metamorphism in the Ivrea zone: Is the Mafic Complex the smoking gun or a red herring?. <i>Geology</i> , 1999, 27, 447.	4.4	77
39	Taking the temperature of Earth's hottest crust. <i>Earth and Planetary Science Letters</i> , 2014, 408, 341-354.	4.4	77
40	The spatial and temporal patterning of the deep crust and implications for the process of melt extraction. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 11-51.	3.4	69
41	Archaean Intracrustal Differentiation from Partial Melting of Metagabbro–Field and Geochemical Evidence from the Central Region of the Lewisian Complex, NW Scotland. <i>Journal of Petrology</i> , 2012, 53, 2115-2138.	2.8	64
42	Sexuality issues and the voices of adults with intellectual disabilities: A systematic review of the literature. <i>Research in Developmental Disabilities</i> , 2018, 74, 124-138.	2.2	64
43	Homelessness among youth who identify as LGBTQ+: A systematic review. <i>Journal of Clinical Nursing</i> , 2019, 28, 2061-2072.	3.0	62
44	Time's arrow, time's cycle: Granulite metamorphism and geodynamics. <i>Mineralogical Magazine</i> , 2019, 83, 323-338.	1.4	60
45	Spinel-cordierite symplectites replacing andalusite: evidence for melt-assisted diapirism in the Bushveld Complex, South Africa. <i>Journal of Metamorphic Geology</i> , 2004, 22, 529-545.	3.4	59
46	The mechanism of melt extraction from lower continental crust of orogens. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2004, 95, 35-48.	0.3	59
47	Eclogite–high-pressure granulite metamorphism records early collision in West Gondwana: new data from the Southern Brasília Belt, Brazil. <i>Journal of the Geological Society</i> , 2009, 166, 1013-1032.	2.1	59
48	<i>In situ</i> monazite (U–Th)–Pb ages from the Southern Brasília Belt, Brazil: constraints on the high-temperature retrograde evolution of HP granulites. <i>Journal of Metamorphic Geology</i> , 2012, 30, 81-112.	3.4	57
49	Decoding polyphase migmatites using geochronology and phase equilibria modelling. <i>Journal of Metamorphic Geology</i> , 2015, 33, 203-230.	3.4	54
50	From Source to Sink: Petrogenesis of Cretaceous Anatectic Granites from the Fosdick Migmatite–Granite Complex, West Antarctica. <i>Journal of Petrology</i> , 2016, 57, 1241-1278.	2.8	53
51	Fluid generation and evolution during exhumation of deeply subducted UHP continental crust: Petrogenesis of composite granite–quartz veins in the Sulu belt, China. <i>Journal of Metamorphic Geology</i> , 2017, 35, 601-629.	3.4	53
52	Evolution of geodynamics since the Archean: Significant change at the dawn of the Phanerozoic. <i>Geology</i> , 2020, 48, 488-492.	4.4	48
53	Sm–Nd isotope characteristics of late Cadomian granite magmatism in northern France and the Channel Islands. <i>Geological Magazine</i> , 1993, 130, 797-804.	1.5	46
54	Epidemiology of suicide pacts in England and Wales, 1988-92. <i>BMJ: British Medical Journal</i> , 1997, 315, 286-287.	2.3	44

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55	Subduction or sagduction? Ambiguity in constraining the origin of ultramaficâ€“mafic bodies in the Archean crust of NW Scotland. <i>Precambrian Research</i> , 2016, 283, 89-105.	2.7	42
56	Pâ€“Tâ€“t evolution of pelitic gneiss from the basement underlying the Northwestern Ordos Basin, North China Craton, and the tectonic implications. <i>Precambrian Research</i> , 2016, 276, 67-84.	2.7	39
57	Some Remarks on Melting and Extreme Metamorphism of Crustal Rocks. , 2009, , 67-87.		37
58	Partners in life and in death: the suicide pact in England and Wales 1988â€“1992. <i>Psychological Medicine</i> , 1999, 29, 1299-1306.	4.5	36
59	Challenges in constraining the <i>P</i> â€“ <i>T</i> conditions of mafic granulites: An example from the northern Transâ€“North China Orogen. <i>Journal of Metamorphic Geology</i> , 2018, 36, 739-768.	3.4	36
60	Separating metamorphic events in the Fosdick migmatiteâ€“granite complex, West Antarctica. <i>Journal of Metamorphic Geology</i> , 2012, 30, 165-192.	3.4	35
61	Earth dynamics and the development of plate tectonics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20180228.	3.4	35
62	People with intellectual disabilities, relationship and sex education programmes: A systematic review. <i>Health Education Journal</i> , 2019, 78, 885-900.	1.2	35
63	Enigmatic Midâ€“Proterozoic Orogens: Hot, Thin, and Low. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093312.	4.0	35
64	Divergent behaviour of Th and U during anatexis: Implications for the thermal evolution of orogenic crust. <i>Journal of Metamorphic Geology</i> , 2019, 37, 899-916.	3.4	34
65	A mixedâ€“methods, randomized controlled feasibility trial of Eye Movement Desensitization and Reprocessing (EMDR) plus Standard Care (SC) versus SC alone for DSMâ€“5 Posttraumatic Stress Disorder (PTSD) in adults with intellectual disabilities. <i>Journal of Applied Research in Intellectual Disabilities</i> , 2019, 32, 806-818.	2.0	29
66	Phase Equilibrium Modeling of MTâ€“UHP Eclogite: a Case Study of Coesite Eclogite at Yangkou Bay, Sulu Belt, Eastern China. <i>Journal of Petrology</i> , 2018, 59, 1253-1280.	2.8	28
67	Hotter mantle but colder subduction in the Precambrian: What are the implications?. <i>Precambrian Research</i> , 2019, 330, 20-34.	2.7	27
68	Metamorphic processes: a celebration of the career contribution of Ron Vernon. <i>Journal of Metamorphic Geology</i> , 2002, 20, 1-7.	3.4	26
69	On the survival of intergranular coesite in <i>UHP</i> eclogite. <i>Journal of Metamorphic Geology</i> , 2018, 36, 173-194.	3.4	26
70	What drives metamorphism in early Archean greenstone belts? Insights from numerical modeling. <i>Tectonophysics</i> , 2018, 746, 587-601.	2.2	25
71	Traumaâ€“informed care: A qualitative study exploring the views and experiences of professionals in specialist health services for adults with intellectual disabilities. <i>Journal of Applied Research in Intellectual Disabilities</i> , 2019, 32, 1437-1445.	2.0	24
72	The Impact of a School-Based Weight Management Program Involving Parents via mHealth for Overweight and Obese Children and Adolescents with Intellectual Disability: A Randomized Controlled Trial. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1178.	2.6	23

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73	Vulnerability and Psychosocial Risk Factors Regarding People who Identify as Transgender. A Systematic Review of the Research Evidence. <i>Issues in Mental Health Nursing</i> , 2018, 39, 3-15.	1.2	23
74	Gondwana collision. <i>Mineralogy and Petrology</i> , 2013, 107, 631-634.	1.1	22
75	Are granites and granulites consanguineous?. <i>Geology</i> , 2015, 43, 991-994.	4.4	22
76	Multiple traumatisation and subsequent psychopathology in people with intellectual disabilities and <sc>DSM-5 PTSD</sc>: a preliminary study. <i>Journal of Intellectual Disability Research</i> , 2018, 62, 730-736.	2.0	22
77	The Design, Content and Delivery of Relationship and Sexuality Education Programmes for People with Intellectual Disabilities: A Systematic Review of the International Evidence. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7568.	2.6	22
78	Weight-bearing effects on skeletal muscle during and after simulated bed rest. <i>Archives of Physical Medicine and Rehabilitation</i> , 1995, 76, 541-546.	0.9	21
79	Neoproterozoic evolution and Cambrian reworking of ultrahigh temperature granulites in the Eastern Ghats Province, India. <i>Journal of Metamorphic Geology</i> , 2019, 37, 977-1006.	3.4	21
80	Homeless experiences and support needs of transgender people: A systematic review of the international evidence. <i>Journal of Nursing Management</i> , 2021, 29, 85-94.	3.4	21
81	Crustal melting and suprasolidus phase equilibria: From first principles to the state-of-the-art. <i>Earth-Science Reviews</i> , 2021, 221, 103778.	9.1	21
82	Partial melting of ultrahigh-pressure eclogite by omphacite-breakdown facilitates exhumation of deeply-subducted crust. <i>Earth and Planetary Science Letters</i> , 2021, 554, 116664.	4.4	20
83	Petrogenetic modelling of strongly residual metapelitic xenoliths within the southern Platreef, Bushveld Complex, South Africa. <i>Journal of Metamorphic Geology</i> , 2010, 28, 269-291.	3.4	19
84	The views and experiences of families and direct care support workers regarding the expression of sexuality by adults with intellectual disabilities: A narrative review of the international research evidence. <i>Research in Developmental Disabilities</i> , 2019, 90, 80-91.	2.2	19
85	Resistance Exercise Effects on Aging Skeletal Muscle in Rats. <i>Physical Therapy</i> , 1989, 69, 46-53.	2.4	18
86	Experiences of adults with intellectual disabilities accessing acute hospital services: A systematic review of the international evidence. <i>Health and Social Care in the Community</i> , 2021, 29, 1222-1232.	1.6	18
87	Rheology and geodynamic modelling: the next step forward. <i>International Journal of Earth Sciences</i> , 2001, 90, 149-156.	1.8	14
88	Granulites, partial melting and the rheology of the lower crust. <i>Journal of Metamorphic Geology</i> , 2011, 29, 1-6.	3.4	14
89	Linking metamorphism and plate boundaries over the past 2 billion years. <i>Geology</i> , 2022, 50, 631-635.	4.4	14
90	Petrogenesis of leucosome sheets in migmatitic UHP eclogites – Evolution from silicate-rich supercritical fluid to hydrous melt. <i>Lithos</i> , 2020, 360-361, 105442.	1.4	11

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91	Microstructure, metamorphism, thermochronology and P-T-t deformation history of the Port aux Basques gneisses, south-west Newfoundland, Canada*. Journal of Metamorphic Geology, 1995, 13, 751-776.	3.4	10
92	The needs of LGBTI+ people within student nurse education programmes: A new conceptualisation. Nurse Education in Practice, 2020, 47, 102828.	2.6	10
93	Homelessness and people with intellectual disabilities: A systematic review of the international research evidence. Journal of Applied Research in Intellectual Disabilities, 2021, 34, 390-401.	2.0	10
94	The views and experiences of LGBTQ+ people regarding midwifery care: A systematic review of the international evidence. Midwifery, 2021, 103, 103102.	2.3	10
95	Two-stage exhumation of deeply subducted continental crust: Insight from zircon, titanite, and apatite petrochronology, Sulu belt of eastern China. Bulletin of the Geological Society of America, 2023, 135, 48-66.	3.3	9
96	Variable Variscan thermal rejuvenation in the St Malo region, Cadomian Orogen, France: evidence from 40Ar/39Ar mineral ages. Journal of Metamorphic Geology, 1993, 11, 137-154.	3.4	8
97	Processes in granulite metamorphism. Journal of Metamorphic Geology, 2008, 26, 121-124.	3.4	8
98	40Ar/39Ar thermochronology of high-pressure granulite nappes in the southern Brasilia Belt, Brazil: Implications for Nappe Exhumation. Numerische Mathematik, 2010, 310, 1294-1332.	1.4	8
99	Secular changes in metamorphism and metamorphic cooling rates track the evolving plate-tectonic regime on Earth. Journal of the Geological Society, 2022, 179, .	2.1	8
100	Education and practice developments: Addressing the psychosocial concerns and support needs of LGBT+ people. Nurse Education Today, 2019, 82, 15-20.	3.3	7
101	Are mental health tribunals operating in accordance with international human rights standards? A systematic review of the international literature. Health and Social Care in the Community, 2019, 27, e494-e513.	1.6	7
102	P-T evolution and tectonic significance of lawsonite-bearing schists from the eastern segment of the southwestern Tianshan, China. Journal of Metamorphic Geology, 2020, 38, 935-962.	3.4	7
103	Recruitment settings, delivery contexts, intervention techniques and outcomes of health promotion programmes for young adults with intellectual and developmental disabilities: A systematic review. Research in Developmental Disabilities, 2020, 99, 103592.	2.2	7
104	Risk factors for falls among adults with intellectual disabilities: A narrative review. Journal of Applied Research in Intellectual Disabilities, 2021, 34, 274-285.	2.0	7
105	LGBTQ+ Psychosocial Concerns in Nursing and Midwifery Education Programmes: Qualitative Findings from a Mixed-Methods Study. International Journal of Environmental Research and Public Health, 2021, 18, 11366.	2.6	7
106	Introduction to a virtual special issue on crustal melting. Journal of Metamorphic Geology, 2012, 30, 453-456.	3.4	6
107	An evaluation of mainstream type 2 diabetes educational programmes in relation to the needs of people with intellectual disabilities: A systematic review of the literature. Journal of Applied Research in Intellectual Disabilities, 2019, 32, 256-279.	2.0	6
108	The views and experiences of bisexual people regarding their psychosocial support needs: a qualitative evidence synthesis. Journal of Psychiatric and Mental Health Nursing, 2021, 28, 430-443.	2.1	5

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109	Pilot feasibility study of the Walking Away from Diabetes programme for adults with intellectual disabilities in two further education colleges: Process evaluation findings. <i>Journal of Applied Research in Intellectual Disabilities</i> , 2019, 32, 1034-1046.	2.0	3
110	Earth's anomalous middle-age magmatism driven by plate slowdown. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
111	Litigation in Residency Training Programs and Suggested Due Process Guidelines for "Residents in Trouble". <i>Academic Psychiatry</i> , 1994, 18, 119-128.	0.9	2
112	Evolution of orogenic belts and the causes of regional metamorphism. <i>Geological Society Memoir</i> , 1995, 16, 67-81.	1.7	2
113	Adults with intellectual disabilities experience shame that leads to psychological distress and mental illness that requires assessment and treatment. <i>Evidence-based Nursing</i> , 2018, 21, 86-86.	0.2	2
114	Psychosocial Needs of Bisexual People: Findings from a Mixed-Methods Research Study. <i>Issues in Mental Health Nursing</i> , 2020, 41, 691-699.	1.2	1
115	The views and experiences of fathers regarding their young child's intellectual and developmental disability diagnosis: Findings from a qualitative study. <i>Journal of Clinical Nursing</i> , 2020, 29, 3373-3381.	3.0	1
116	The views and experiences of lesbians regarding their mental health needs and concerns: Qualitative findings from a mixed-methods study. <i>Perspectives in Psychiatric Care</i> , 2020, 56, 827-836.	1.9	1
117	Metamorphism Through Time. , 2021, , 623-633.		1
118	On the importance of minding one's <i>P</i> s and <i>T</i> s: metamorphic processes and quantitative petrology. <i>Journal of Metamorphic Geology</i> , 2010, 28, 561-567.	3.4	0
119	Ten years of research progress on the structure, <i>T</i> path and Fluid-Melt evolution of the deeply-subducted UHP continental crust in the Sulu belt. <i>Acta Geologica Sinica</i> , 2019, 93, 122-123.	1.4	0
120	ICU Service Transitions of Care and the Effect on Patient Outcomes. , 2020, , .		0
121	Qualitative study on the factors and role of residential staff that influence and effect the support provided to adults with intellectual disabilities regarding the expression of their sexuality. <i>Evidence-based Nursing</i> , 2022, , ebnurs-2021-103487.	0.2	0