

Dave J Waters

List of Publications by Year in descending order

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79
papers

5,938
citations

53660

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71532

76
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80
all docs

80
docs citations

80
times ranked

2995
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase equilibria and microstructural constraints on the high- <i>T</i> building of the Kohistan island arc: The Jijal garnet granulites, northern Pakistan. <i>Journal of Metamorphic Geology</i> , 2022, 40, 145-174.	1.6	6
2	EBSDBased criteria for coesite-quartz transformation. <i>Journal of Metamorphic Geology</i> , 2021, 39, 165-180.	1.6	6
3	Burial, Accretion, and Exhumation of the Metamorphic Sole of the Oman-UAE Ophiolite. <i>Tectonics</i> , 2021, 40, e2020TC006392.	1.3	9
4	The Age, Origin, and Emplacement of the Tsiknias Ophiolite, Tinos, Greece. <i>Tectonics</i> , 2020, 39, e2019TC005677.	1.3	16
5	Muscovite dehydration melting: Reaction mechanisms, microstructures, and implications for anatexis. <i>Journal of Metamorphic Geology</i> , 2020, 38, 29-52.	1.6	43
6	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.	1.3	10
7	Compressional origin of the Naxos metamorphic core complex, Greece: Structure, petrography, and thermobarometry. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 149-197.	1.6	21
8	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.	0.8	12
9	Metamorphic constraints on the tectonic evolution of the High Himalaya in Nepal: the art of the possible. <i>Geological Society Special Publication</i> , 2019, 483, 325-375.	0.8	38
10	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.	0.8	9
11	A comparison of observed and thermodynamically predicted phase equilibria and mineral compositions in mafic granulites. <i>Journal of Metamorphic Geology</i> , 2019, 37, 153-179.	1.6	66
12	Controls on the rheological properties of peridotite at a palaeosubduction interface: A transect across the base of the Oman-UAE ophiolite. <i>Earth and Planetary Science Letters</i> , 2018, 491, 193-206.	1.8	26
13	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.	0.9	50
14	U-Pb zircon geochronology and phase equilibria modelling of a mafic eclogite from the Sumdo complex of south-east Tibet: Insights into prograde zircon growth and the assembly of the Tibetan plateau. <i>Lithos</i> , 2016, 262, 729-741.	0.6	41
15	Quantifying geological uncertainty in metamorphic phase equilibria modelling; a Monte Carlo assessment and implications for tectonic interpretations. <i>Geoscience Frontiers</i> , 2016, 7, 591-607.	4.3	256
16	Miocene magmatism in the Western Nyainqentanglha mountains of southern Tibet: An exhumed bright spot?. <i>Lithos</i> , 2016, 245, 147-160.	0.6	20
17	Exhumation-Driven Devolatilization as a Fluid Source for Orogenic Gold Mineralization at the Damang Deposit, Ghana. <i>Economic Geology</i> , 2015, 110, 1009-1025.	1.8	37
18	Quantifying the <i>P-T</i> conditions of north-south Lhasa terrane accretion: new insight into the pre-Himalayan architecture of the Tibetan plateau. <i>Journal of Metamorphic Geology</i> , 2015, 33, 91-113.	1.6	28

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19	Structure and metamorphism beneath the obducting Oman ophiolite: Evidence from the Bani Hamid granulites, northern Oman mountains. , 2015, 11, 1812-1836.		43
20	Two-stage cooling history of pelitic and semi-pelitic mylonite (sensu lato) from the Dongjiuâ€Milin shear zone, northwest flank of the eastern Himalayan syntaxis. Gondwana Research, 2015, 28, 509-530.	3.0	36
21	Structure of the metamorphic sole to the Oman Ophiolite, Sumeini Window and Wadi Tayyin: implications for ophiolite obduction processes. Geological Society Special Publication, 2014, 392, 155-175.	0.8	76
22	Phase equilibria modelling of retrograde amphibole and clinozoisite in mafic eclogite from the Tso Morari massif, northwest India: constraining the P - T - M (H_{2O}) conditions of exhumation. Journal of Metamorphic Geology, 2014, 32, 675-693.	1.6	59
23	Constraints on the timing of late-Eburnean metamorphism, gold mineralisation and regional exhumation at Damang mine, Ghana. Precambrian Research, 2014, 243, 18-38.	1.2	29
24	Monazite geochronology and petrology of kyanite- and sillimanite-grade migmatites from the northwestern flank of the eastern Himalayan syntaxis. Gondwana Research, 2014, 26, 323-347.	3.0	55
25	A geochronological and petrological study of anatectic paragneiss and associated granite dykes from the D - N - C - V metamorphic core complex, N - V vietnam: constraints on the timing of metamorphism within the R - R shear zone. Journal of Metamorphic Geology, 2013, 31, 359-387.	1.6	79
26	Integrated pressure-temperature-time constraints for the T - M orari dome (N - W I - N): implications for the burial and exhumation path of UHP units in the western H - $imalaya$. Journal of Metamorphic Geology, 2013, 31, 469-504.	1.6	133
27	Quantifying Barrovian metamorphism in the Danba Structural Culmination of eastern Tibet. Journal of Metamorphic Geology, 2013, 31, 909-935.	1.6	81
28	The application of P - T - X (CO_2) modelling in constraining metamorphism and hydrothermal alteration at the D - $amang$ gold deposit, G - $hana$. Journal of Metamorphic Geology, 2013, 31, 937-961.	1.6	14
29	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. Journal of Metamorphic Geology, 2012, 30, 793-820.	1.6	48
30	Eclogitization of the Monviso ophiolite (W. Alps) and implications on subduction dynamics. Journal of Metamorphic Geology, 2012, 30, 37-61.	1.6	126
31	Metamorphic history of the South Tibetan Detachment System, Mt. Everest region, revealed by RSCM thermometry and phase equilibria modelling. Journal of Metamorphic Geology, 2011, 29, 561-582.	1.6	84
32	Telescoping of isotherms beneath the South Tibetan Detachment System, Mount Everest Massif. Journal of Structural Geology, 2011, 33, 1569-1594.	1.0	106
33	Partially Melted Crustal Xenoliths as a Window into Sub-Volcanic Processes: Evidence from the Neogene Magmatic Province of the Betic Cordillera, SE Spain. Journal of Petrology, 2010, 51, 973-991.	1.1	37
34	Anatomy, age and evolution of a collisional mountain belt: the Baltoro granite batholith and Karakoram Metamorphic Complex, Pakistani Karakoram. Journal of the Geological Society, 2010, 167, 183-202.	0.9	81
35	Crustal melt granites and migmatites along the Himalaya: melt source, segregation, transport and granite emplacement mechanisms. , 2010, , .		11
36	Metamorphism, melting, and channel flow in the Greater Himalayan Sequence and Makalu leucogranite: Constraints from thermobarometry, metamorphic modeling, and U-Pb geochronology. Tectonics, 2010, 29, n/a-n/a.	1.3	102

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37	Timing of Midcrustal Metamorphism, Melting, and Deformation in the Mount Everest Region of Southern Tibet Revealed by U-Th-Pb Geochronology. <i>Journal of Geology</i> , 2009, 117, 643-664.	0.7	158
38	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
39	Pleistocene melting and rapid exhumation of the Nanga Parbat massif, Pakistan: Age and P-T conditions of accessory mineral growth in migmatite and leucogranite. <i>Earth and Planetary Science Letters</i> , 2009, 288, 408-420.	1.8	57
40	Geochronology of granulitized eclogite from the Ama Drime Massif: Implications for the tectonic evolution of the South Tibetan Himalaya. <i>Tectonics</i> , 2009, 28, .	1.3	133
41	Evolution and chronology of the Pangong Metamorphic Complex adjacent to the Karakoram Fault, Ladakh: constraints from thermobarometry, metamorphic modelling and U-Pb geochronology. <i>Journal of the Geological Society</i> , 2009, 166, 919-932.	0.9	48
42	Probing the basement of southern Tibet: evidence from crustal xenoliths entrained in a Miocene ultrapotassic dyke. <i>Journal of the Geological Society</i> , 2009, 166, 45-52.	0.9	61
43	<i>P</i> paths of Everest Series schist, Nepal. <i>Journal of Metamorphic Geology</i> , 2008, 26, 717-739.	1.6	102
44	Telescoping of isotherms beneath the South Tibetan Detachment, Mount Everest Massif: implications for magnitude of internal flow during extrusion of the Greater Himalayan Slab. <i>Himalayan Journal of Sciences</i> , 2008, 5, 86-87.	0.3	5
45	Tectonic evolution of the Mogoke metamorphic belt, Burma (Myanmar) constrained by U-Th-Pb dating of metamorphic and magmatic rocks. <i>Tectonics</i> , 2007, 26, n/a-n/a.	1.3	278
46	Reply to Comment by F. Boudier and A. Nicolas on "Dating the geologic history of Oman's Semail Ophiolite: insights from U-Pb geochronology" by C.J. Warren, R.R. Parrish, M.P. Searle and D.J. Waters. <i>Contributions To Mineralogy and Petrology</i> , 2007, 154, 115-118.	1.2	15
47	Plate velocity exhumation of ultrahigh-pressure eclogites in the Pakistan Himalaya. <i>Geology</i> , 2006, 34, 989.	2.0	195
48	Oxidized eclogites and garnet-blueschists from Oman: P-T path modelling in the NCFMASHO system. <i>Journal of Metamorphic Geology</i> , 2006, 24, 061107121521004-???	1.6	35
49	Reply to: Comment by Gray, Gregory and Miller on "Structural evolution, metamorphism and restoration of the Arabian continental margin, Saih Hatat region, Oman Mountains". <i>Journal of Structural Geology</i> , 2005, 27, 375-377.	1.0	10
50	Dating the geologic history of Oman's Semail ophiolite: insights from U-Pb geochronology. <i>Contributions To Mineralogy and Petrology</i> , 2005, 150, 403-422.	1.2	184
51	Structural evolution, metamorphism and restoration of the Arabian continental margin, Saih Hatat region, Oman Mountains. <i>Journal of Structural Geology</i> , 2004, 26, 451-473.	1.0	172
52	Dating the subduction of the Arabian continental margin beneath the Semail ophiolite, Oman. <i>Geology</i> , 2003, 31, 889.	2.0	74
53	The structural geometry, metamorphic and magmatic evolution of the Everest massif, High Himalaya of Nepal-South Tibet. <i>Journal of the Geological Society</i> , 2003, 160, 345-366.	0.9	306
54	Prismatic and ferroharmobomite-2N2S in granulite-facies Fe-oxide lenses in the Eastern Ghats Belt at Venugopalapuram, Vizianagaram district, Andhra Pradesh, India: do such lenses have a tourmaline-enriched lateritic precursor?. <i>Mineralogical Magazine</i> , 2003, 67, 1081-1098.	0.6	12

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55	Subduction zone polarity in the Oman Mountains: implications for ophiolite emplacement. Geological Society Special Publication, 2003, 218, 467-480.	0.8	23
56	Assessing the extent of disequilibrium and overstepping of prograde metamorphic reactions in metapelites from the Bushveld Complex aureole, South Africa. Journal of Metamorphic Geology, 2002, 20, 135-149.	1.6	147
57	An integrated tectonothermal model for the evolution of the High Himalaya in western Zaskar with constraints from thermobarometry and metamorphic modeling. Tectonics, 2001, 20, 810-833.	1.3	43
58	Structure of the Main Central Thrust zone and extrusion of the High Himalayan deep crustal wedge, Kishtwarâ€Zaskar Himalaya. Journal of the Geological Society, 2001, 158, 637-652.	0.9	85
59	Metastability of granulites and processes of eclogitisation in the UHP region of western Norway. Journal of Metamorphic Geology, 2001, 19, 609-625.	1.6	88
60	The significance of prograde and retrograde quartz-bearing intergrowth microstructures in partially melted granulite-facies rocks. Lithos, 2001, 56, 97-110.	0.6	148
61	Inverted metamorphism and the Main Central Thrust: field relations and thermobarometric constraints from the Kishtwar Window, NW Indian Himalaya. Journal of Metamorphic Geology, 2000, 18, 571-590.	1.6	103
62	Two episodes of monazite crystallization during metamorphism and crustal melting in the Everest region of the Nepalese Himalaya. Geology, 2000, 28, 403.	2.0	158
63	The high-pressure to ultrahigh-pressure eclogite transition in the Western Gneiss Region, Norway. European Journal of Mineralogy, 2000, 12, 667-687.	0.4	86
64	Two episodes of monazite crystallization during metamorphism and crustal melting in the Everest region of the Nepalese Himalaya. Geology, 2000, 28, 403-406.	2.0	12
65	Metamorphism, Melting, and Extension: Age Constraints from the High Himalayan Slab of Southeast Zaskar and Northwest Lahaul. Journal of Geology, 1999, 107, 473-495.	0.7	152
66	The History of Granulite-Facies Metamorphism and Crustal Growth from Single Zircon U-Pb Geochronology: Namaqualand, South Africa. Journal of Petrology, 1999, 40, 1747-1770.	1.1	150
67	Thermal and mechanical models for the structural and metamorphic evolution of the Zaskar High Himalaya. Geological Society Special Publication, 1999, 164, 139-156.	0.8	38
68	Attenuation and excision of a crustal section during extensional exhumation: the Carratraca Massif, Betic Cordillera, southern Spain. Journal of the Geological Society, 1999, 156, 149-162.	0.9	86
69	Phase relations of osumilite and dehydration melting in pelitic rocks: a simple thermodynamic model for the KFMASH system. Contributions To Mineralogy and Petrology, 1996, 124, 383-394.	1.2	69
70	Structure and metamorphism of blueschistâ€eclogite facies rocks from the northeastern Oman Mountains. Journal of the Geological Society, 1994, 151, 555-576.	0.9	115
71	Pressure, temperature and time constraints on Himalayan metamorphism from eastern Kashmir and western Zaskar. Journal of the Geological Society, 1992, 149, 753-773.	0.9	109
72	Hercynite-quartz granulites: phase relations, and implications for crustal processes. European Journal of Mineralogy, 1991, 3, 367-386.	0.4	140

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73	Thermal History and Tectonic Setting of the Namaqualand Granulites, Southern Africa: Clues to Proterozoic Crustal Development. , 1990, , 243-256.		23
74	Geochemistry and origin of cordierite-orthoamphibole/orthopyroxene-phlogopite rocks from Namaqualand, South Africa. Chemical Geology, 1990, 85, 77-100.	1.4	26
75	Metamorphic evidence for the heating and cooling path of Namaqualand granulites. Geological Society Special Publication, 1989, 43, 357-363.	0.8	48
76	Metamorphic History of Sapphirine-bearing and Related Magnesian Gneisses from Namaqualand, South Africa. Journal of Petrology, 1986, 27, 541-565.	1.1	79
77	Kornerupine in Mg-Al-rich gneisses from Namaqualand, South Africa: mineralogy and evidence for late-metamorphic fluid activity. Contributions To Mineralogy and Petrology, 1985, 91, 369-382.	1.2	27
78	Dehydration melting and the granulite transition in metapelites from southern Namaqualand, S. Africa. Contributions To Mineralogy and Petrology, 1984, 88, 269-275.	1.2	98
79	The History of Granulite-Facies Metamorphism and Crustal Growth from Single Zircon Ua€Pb Geochronology: Namaqualand, South Africa. , 0, .		31