

# Owen M Weller

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1855675/publications.pdf>

Version: 2024-02-01

19  
papers

901  
citations

687363

13  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

908  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.4	256
2	Record of modern-style plate tectonics in the Palaeoproterozoic Trans-Hudson orogen. <i>Nature Geoscience</i> , 2017, 10, 305-311.	12.9	136
3	Quantifying Barrovian metamorphism in the Danba Structural Culmination of eastern Tibet. <i>Journal of Metamorphic Geology</i> , 2013, 31, 909-935.	3.4	81
4	Monazite geochronology and petrology of kyanite- and sillimanite-grade migmatites from the northwestern flank of the eastern Himalayan syntaxis. <i>Gondwana Research</i> , 2014, 26, 323-347.	6.0	55
5	Subduction metamorphism in the Himalayan ultrahigh-pressure Tso Moriri massif: An integrated geodynamic and petrological modelling approach. <i>Earth and Planetary Science Letters</i> , 2017, 467, 108-119.	4.4	52
6	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.	1.4	41
7	The relationship between mantle potential temperature and oceanic lithosphere buoyancy. <i>Earth and Planetary Science Letters</i> , 2019, 518, 86-99.	4.4	41
8	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
9	Two-stage cooling history of pelitic and semi-pelitic mylonite (sensu lato) from the Dongjiu Milin shear zone, northwest flank of the eastern Himalayan syntaxis. <i>Gondwana Research</i> , 2015, 28, 509-530.	6.0	36
10	The metamorphic and magmatic record of collisional orogens. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 781-799.	29.7	34
11	Quantifying the P–T 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.	3.4	28
12	Phase equilibria modelling of blueschist and eclogite from the Sanbagawa metamorphic belt of southwest Japan reveals along-strike consistency in tectonothermal architecture. <i>Journal of Metamorphic Geology</i> , 2015, 33, 579-596.	3.4	25
13	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.	3.3	21
14	Miocene magmatism in the Western Nyainqentanglha mountains of southern Tibet: An exhumed bright spot?. <i>Lithos</i> , 2016, 245, 147-160.	1.4	20
15	A petrochronological approach for the detrital record: Tracking mm-sized eclogite clasts in the northern Canadian Cordillera. <i>Earth and Planetary Science Letters</i> , 2018, 494, 23-31.	4.4	12
16	Quantitative elemental mapping of granulite-facies monazite: Textural insights and implications for petrochronology. <i>Journal of Metamorphic Geology</i> , 2020, 38, 853-880.	3.4	10
17	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
18	The controls on the thermal evolution of continental mountain ranges. <i>Journal of Metamorphic Geology</i> , 2022, 40, 1235-1270.	3.4	5

#	ARTICLE	IF	CITATIONS
19	Understanding earthquakes using the geological record: an introduction. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20190410.	3.4	1