

Michael L Wells

List of Publications by Year in descending order

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41
papers

1,349
citations

279487

23
h-index

344852

36
g-index

41
all docs

41
docs citations

41
times ranked

964
citing authors

#	ARTICLE	IF	CITATIONS
1	Retroarc Jurassic burial and exhumation of Barrovian metamorphic rocks dated by monazite petrochronology, Funeral Mountains, California. , 2022, , .		6
2	Deviation between quartz-garnet elastic geobarometry and equilibrium-based pressure-temperature modelling in Barrovian metamorphic rocks. <i>Journal of Metamorphic Geology</i> , 2022, 40, 1067-1086.	1.6	2
3	Formation and Forward Propagation of the Indosinian Foreland Fold-Thrust Belt and Nanpanjiang Foreland Basin in SW China. <i>Tectonics</i> , 2021, 40, e2020TC006552.	1.3	17
4	Equation of State for Natural Almandine, Spessartine, Pyrope Garnet: Implications for Quartz-In-Garnet Elastic Geobarometry. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 458.	0.8	2
5	Thermo-kinematic modeling of detachment-dominated extension, northeastern Death Valley area, USA: Implications for mid-crustal thermal-rheological evolution. <i>Tectonophysics</i> , 2021, 808, 228755.	0.9	7
6	Pressure-temperature-time paths from the Funeral Mountains, California, reveal Jurassic retroarc underthrusting during early Sevier orogenesis. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 1047-1065.	1.6	19
7	Early Cretaceous tectonic transition and SWward basin migration in northern Liaodong Peninsula, NE China: Sedimentary, structural, and geochronological constraints. <i>Geological Journal</i> , 2020, 55, 5681-5702.	0.6	10
8	Phase equilibria and geochronology of Triassic blueschists in the Bikou terrane and Mesozoic tectonic evolution of the northwestern margin of the Yangtze Block (SW China). <i>Journal of Asian Earth Sciences</i> , 2020, 201, 104513.	1.0	3
9	Geochronology of early Mesozoic diabase units in southwestern China: metallogenic and tectonic implications. <i>Geological Magazine</i> , 2019, 156, 1141-1156.	0.9	6
10	Fault Slip and Exhumation History of the Willard Thrust Sheet, Sevier Fold-Thrust Belt, Utah: Relations to Wedge Propagation, Hinterland Uplift, and Foreland Basin Sedimentation. <i>Tectonics</i> , 2019, 38, 2850-2893.	1.3	38
11	Structural and Geochronological Constraints on the Early Mesozoic North Longmen Shan Thrust Belt: Foreland Fold-Thrust Propagation of the SW Qinling Orogenic Belt, Northeastern Tibetan Plateau. <i>Tectonics</i> , 2018, 37, 4595-4624.	1.3	42
12	Timing of exhumation, Wheeler Pass thrust sheet, southern Nevada and California: Late Jurassic to middle Cretaceous evolution of the southern Sevier fold-and-thrust belt. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 558-579.	1.6	26
13	The Zhayao tectonic window of the Jurassic Yuntai thrust system in Liaodong Peninsula, NE China: Geometry, kinematics and tectonic implications. <i>Journal of Asian Earth Sciences</i> , 2018, 164, 58-71.	1.0	24
14	The Longmenshan Tectonic Complex and adjacent tectonic units in the eastern margin of the Tibetan Plateau: A review. <i>Journal of Asian Earth Sciences</i> , 2018, 164, 33-57.	1.0	90
15	Fault-related fold styles and progressions in fold-thrust belts: Insights from sandbox modeling. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2087-2111.	1.4	35
16	A MAJOR MID-CRETACEOUS SHORTENING EVENT IN THE SOUTHERN SEVIER OROGENIC BELT: CONTINENTAL RECORD OF GLOBAL PLATE REORGANIZATION?. , 2016, , .		5
17	Eocene and Miocene extension, meteoric fluid infiltration, and core complex formation in the Great Basin (Raft River Mountains, Utah). <i>Tectonics</i> , 2015, 34, 680-693.	1.3	18
18	Linking thermodynamic modelling, Lu-Hf geochronology and trace elements in garnet: new P-T paths from the Sevier hinterland. <i>Journal of Metamorphic Geology</i> , 2015, 33, 763-781.	1.6	25

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19	An Early Cretaceous garnet pressure-temperature path recording synconvergent burial and exhumation from the hinterland of the Sevier orogenic belt, Albion Mountains, Idaho. <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	1.2	23
20	Jurassic Barrovian metamorphism in a western U.S. Cordilleran metamorphic core complex, Funeral Mountains, California. <i>Geology</i> , 2014, 42, 399-402.	2.0	24
21	Tectono-stratigraphic framework of Neoproterozoic to Cambrian strata, west-central U.S.: Protracted rifting, glaciation, and evolution of the North American Cordilleran margin. <i>Earth-Science Reviews</i> , 2014, 136, 59-95.	4.0	160
22	Reply to comment by E. L. Miller et al. on "Geodynamics of synconvergent extension and tectonic mode switching: Constraints from the Sevier-Laramide orogen". <i>Tectonics</i> , 2012, 31, .	1.3	2
23	Geodynamics of synconvergent extension and tectonic mode switching: Constraints from the Sevier-Laramide orogen. <i>Tectonics</i> , 2012, 31, .	1.3	39
24	Preservation of an extreme transient geotherm in the Raft River detachment shear zone. <i>Geology</i> , 2011, 39, 759-762.	2.0	38
25	Paleogeographic isolation of the Cretaceous to Eocene Sevier hinterland, east-central Nevada: Insights from U-Pb and (U-Th)/He detrital zircon ages of hinterland strata. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 1141-1160.	1.6	42
26	Structural, stratigraphic, and geochronologic evidence for extension predating Palaeogene volcanism in the Sevier hinterland, east-central Nevada. <i>International Geology Review</i> , 2009, 51, 743-775.	1.1	36
27	Synconvergent surface-breaking normal faults of Late Cretaceous age within the Sevier hinterland, east-central Nevada. <i>Geology</i> , 2009, 37, 447-450.	2.0	40
28	Thermal evolution of the Sisters shear zone, southern New Zealand; Formation of the Great South Basin and onset of Pacific-Antarctic spreading. <i>Tectonics</i> , 2009, 28, .	1.3	17
29	Laser-probe $^{40}\text{Ar}/^{39}\text{Ar}$ dating of strain fringes: Mid-Cretaceous synconvergent orogen-parallel extension in the interior of the Sevier orogen. <i>Tectonics</i> , 2008, 27, .	1.3	20
30	Age trends in garnet-hosted monazite inclusions from upper amphibolite facies schist in the northern Grouse Creek Mountains, Utah. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5505-5520.	1.6	40
31	The role of mantle delamination in widespread Late Cretaceous extension and magmatism in the Cordilleran orogen, western United States. <i>Bulletin of the Geological Society of America</i> , 2008, 120, 515-530.	1.6	106
32	Two-stage rifting of Zealandia-Australia-Antarctica: Evidence from $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronometry of the Sisters shear zone, Stewart Island, New Zealand. <i>Geology</i> , 2007, 35, 411.	2.0	52
33	Construction of a composite pressure-temperature path: revealing the synorogenic burial and exhumation history of the Sevier hinterland, USA. <i>Journal of Metamorphic Geology</i> , 2007, 25, 915-934.	1.6	28
34	The Pinto shear zone; a Laramide synconvergent extensional shear zone in the Mojave Desert region of the southwestern United States. <i>Journal of Structural Geology</i> , 2005, 27, 1697-1720.	1.0	24
35	Pressure-temperature paths from garnet-zoning: Evidence for multiple episodes of thrust burial in the hinterland of the Sevier orogenic belt. <i>American Mineralogist</i> , 2002, 87, 115-131.	0.9	29
36	Rheological control on the initial geometry of the Raft River detachment fault and shear zone, western United States. <i>Tectonics</i> , 2001, 20, 435-457.	1.3	35

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37	Dating of major normal fault systems using thermochronology: An example from the Raft River detachment, Basin and Range, western United States. <i>Journal of Geophysical Research</i> , 2000, 105, 16303-16327.	3.3	84
38	The Mahogany Peaks Fault, A Late Cretaceousâ€”Paleocene(?) Normal Fault in the Hinterland of the Sevier Orogen. <i>Journal of Geology</i> , 1998, 106, 623-634.	0.7	28
39	Alternating contraction and extension in the hinterlands of orogenic belts: An example from the Raft River Mountains, Utah. <i>Bulletin of the Geological Society of America</i> , 1997, 109, 107-126.	1.6	54
40	Late Cretaceous extension in the hinterland of the Sevier thrust belt, northwestern Utah and southern Idaho. <i>Geology</i> , 1990, 18, 929.	2.0	37
41	An early history of pure shear in the upper plate of the raft river metamorphic core complex: black pine mountains, southern Idaho. <i>Journal of Structural Geology</i> , 1990, 12, 851-867.	1.0	16