

Michael L Wells

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8099707/publications.pdf>

Version: 2024-02-01

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Geodynamics of synconvergent extension and tectonic mode switching: Constraints from the Sevier-Laramide orogen. <i>Tectonics</i> , 2012, 31, .	1.3	39
12	Preservation of an extreme transient geotherm in the Raft River detachment shear zone. <i>Geology</i> , 2011, 39, 759-762.	2.0	38
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	The Mahogany Peaks Fault, A Late Cretaceous–Paleocene(?) Normal Fault in the Hinterland of the Sevier Orogen. <i>Journal of Geology</i> , 1998, 106, 623-634.	0.7	28
20	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
21	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
22	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
23	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
24	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
25	The Zhayao tectonic window of the Jurassic Yuantai 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
26	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
27	Laser $^{40}\text{Ar}/^{39}\text{Ar}$ 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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	Geochronology of early Mesozoic diabase units in southwestern China: metallogenic and tectonic implications. <i>Geological Magazine</i> , 2019, 156, 1141-1156.	0.9	6
36	Retroarc Jurassic burial and exhumation of Barrovian metamorphic rocks dated by monazite petrochronology, Funeral Mountains, California. , 2022, , .		6

#	ARTICLE	IF	CITATIONS
37	A MAJOR MID-CRETACEOUS SHORTENING EVENT IN THE SOUTHERN SEVIER OROGENIC BELT: CONTINENTAL RECORD OF GLOBAL PLATE REORGANIZATION?. , 2016, , .		5
38	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). Journal of Asian Earth Sciences, 2020, 201, 104513.	1.0	3
39	Reply to comment by E. L. Miller et al. on "Geodynamics of synconvergent extension and tectonic mode switching: Constraints from the Sevier-Laramide orogen". Tectonics, 2012, 31, .	1.3	2
40	Equation of State for Natural Almandine, Spessartine, Pyrope Garnet: Implications for Quartz-In-Garnet Elastic Geobarometry. Minerals (Basel, Switzerland), 2021, 11, 458.	0.8	2
41	Deviation between quartz-garnet elastic geobarometry and equilibrium-based pressure-temperature modelling in Barrovian metamorphic rocks. Journal of Metamorphic Geology, 2022, 40, 1067-1086.	1.6	2