

Nadine McQuarrie

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

4,177
citations

159585

30
h-index

233421

45
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59
docs citations

59
times ranked

3356
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining the tempo of exhumation in the eastern Himalaya: Part 1. Geometry, kinematics and predicted cooling ages. <i>Basin Research</i> , 2022, 34, 141-169.	2.7	10
2	Determining the tempo of exhumation in the eastern Himalaya: Part 2. Integrating bedrock and detrital cooling ages through thermokinematic modelling. <i>Basin Research</i> , 2022, 34, 170-189.	2.7	5
3	Constraining Central Himalayan (Nepal) Fault Geometry Through Integrated Thermochronology and Thermokinematic Modeling. <i>Tectonics</i> , 2020, 39, e2020TC006399.	2.8	25
4	Documenting the geometry and magnitude of shortening at the Allegheny Front: Lycoming County, Pennsylvania, United States. <i>AAPG Bulletin</i> , 2020, 104, 2379-2399.	1.5	2
5	The Influence of Foreland Structures on Hinterland Cooling: Evaluating the Drivers of Exhumation in the Eastern Bhutan Himalaya. <i>Tectonics</i> , 2019, 38, 3282-3310.	2.8	28
6	Landscape Response to Lateral Advection in Convergent Orogens Over Geologic Time Scales. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 2056-2078.	2.8	16
7	Kinematic, flexural, and thermal modelling in the Central Andes: Unravelling age and signal of deformation, exhumation, and uplift. <i>Tectonophysics</i> , 2019, 766, 302-325.	2.2	17
8	Determining kinematic order and relative age of faulting via flexural-kinematic restoration: A case study in far western Nepal. <i>Basin Research</i> , 2019, 31, 1153-1177.	2.7	10
9	Testing the effects of topography, geometry, and kinematics on modeled thermochronometer cooling ages in the eastern Bhutan Himalaya. <i>Solid Earth</i> , 2018, 9, 599-627.	2.8	17
10	Techniques for understanding fold-and-thrust belt kinematics and thermal evolution. , 2017, , .		29
11	South-American plate advance and forced Andean trench retreat as drivers for transient flat subduction episodes. <i>Nature Communications</i> , 2017, 8, 15249.	12.8	60
12	Reconciling regional continuity with local variability in structure, uplift and exhumation of the Timor orogen. <i>Gondwana Research</i> , 2017, 49, 364-386.	6.0	10
13	Kinematics, Exhumation, and Sedimentation of the North Central Andes (Bolivia): An Integrated Thermochronometer and Thermokinematic Modeling Approach. <i>Tectonics</i> , 2017, 36, 2524-2554.	2.8	34
14	Tectonic Evolution of the Central Andean Plateau and Implications for the Growth of Plateaus. <i>Annual Review of Earth and Planetary Sciences</i> , 2017, 45, 529-559.	11.0	127
15	Andean shortening, inversion and exhumation associated with thin- and thick-skinned deformation in southern Peru. <i>Geological Magazine</i> , 2016, 153, 1013-1041.	1.5	48
16	Influence of thrust belt geometry and shortening rate on thermochronometer cooling ages: Insights from thermokinematic and erosion modeling of the Bhutan Himalaya. <i>Tectonics</i> , 2015, 34, 1055-1079.	2.8	71
17	Evolution of crustal thickening in the central Andes, Bolivia. <i>Earth and Planetary Science Letters</i> , 2015, 426, 191-203.	4.4	32
18	Kinematic reconstruction of the Bolivian orocline. , 2015, 11, 445-462.		33

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19	Australia going down under: Quantifying continental subduction during arc-continent accretion in Timor-Leste. , 2015, 11, 1860-1883.		51
20	Variable exhumation rates and variable displacement rates: Documenting recent slowing of Himalayan shortening in western Bhutan. Earth and Planetary Science Letters, 2014, 386, 161-174.	4.4	75
21	Determining the geometry of the North Anatolian Fault East of the Marmara Sea through integrated stress modeling and remote sensing techniques. Tectonophysics, 2014, 623, 14-22.	2.2	9
22	Resolving spatial heterogeneities in exhumation and surface uplift in Timor-Leste: Constraints on deformation processes in young orogens. Tectonics, 2014, 33, 1089-1112.	2.8	21
23	Documenting basin scale, geometry and provenance through detrital geochemical data: Lessons from the Neoproterozoic to Ordovician Lesser, Greater, and Tethyan Himalayan strata of Bhutan. Gondwana Research, 2013, 23, 1491-1510.	6.0	89
24	Retrodeforming the Arabia-Eurasia collision zone: Age of collision versus magnitude of continental subduction. Geology, 2013, 41, 315-318.	4.4	327
25	Stable isotope evidence for multiple pulses of rapid surface uplift in the Central Andes, Bolivia. Earth and Planetary Science Letters, 2013, 371-372, 49-58.	4.4	94
26	New constraints on the chronology, magnitude, and distribution of deformation within the central Andean orocline. Tectonics, 2013, 32, 1432-1453.	2.8	34
27	Pulsed deformation and variable slip rates within the central Himalayan thrust belt. Lithosphere, 2012, 4, 449-464.	1.4	53
28	The age and rate of displacement along the Main Central Thrust in the western Bhutan Himalaya. Earth and Planetary Science Letters, 2012, 319-320, 146-158.	4.4	90
29	Flattening the Bhutan Himalaya. Earth and Planetary Science Letters, 2012, 349-350, 67-74.	4.4	54
30	Variable shortening rates in the eastern Himalayan thrust belt, Bhutan: Insights from multiple thermochronologic and geochronologic data sets tied to kinematic reconstructions. Tectonics, 2012, 31, .	2.8	79
31	Linking orography, climate, and exhumation across the central Andes. Geology, 2012, 40, 1135-1138.	4.4	75
32	Greater India Basin hypothesis and a two-stage Cenozoic collision between India and Asia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7659-7664.	7.1	548
33	Quantifying internal strain and deformation temperature in the eastern Himalaya, Bhutan: Implications for the evolution of strain in thrust sheets. Journal of Structural Geology, 2011, 33, 579-608.	2.3	84
34	Geologic Map of Bhutan. Journal of Maps, 2011, 7, 184-192.	2.0	79
35	Placing limits on channel flow: Insights from the Bhutan Himalaya. Earth and Planetary Science Letters, 2010, 290, 375-390.	4.4	83
36	Quantifying Dextral Shear on the Bristol-Granite Mountains Fault Zone: Successful Geologic Prediction from Kinematic Compatibility of the Eastern California Shear Zone. Journal of Geology, 2009, 117, 37-53.	1.4	9

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37	Preliminary stratigraphic and structural architecture of Bhutan: Implications for the along strike architecture of the Himalayan system. <i>Earth and Planetary Science Letters</i> , 2008, 272, 105-117.	4.4	257
38	Two-stage subduction history under North America inferred from multiple-frequency tomography. <i>Nature Geoscience</i> , 2008, 1, 458-462.	12.9	262
39	Geometric, kinematic, and erosional history of the central Andean Plateau, Bolivia (15°-17°S). <i>Tectonics</i> , 2008, 27, .	2.8	90
40	Temporal variation in climate and tectonic coupling in the central Andes. <i>Geology</i> , 2008, 36, 999.	4.4	57
41	Lithospheric evolution of the Andean fold-thrust belt, Bolivia, and the origin of the central Andean plateau. <i>Tectonophysics</i> , 2005, 399, 15-37.	2.2	203
42	Crustal scale geometry of the Zagros fold-thrust belt, Iran. <i>Journal of Structural Geology</i> , 2004, 26, 519-535.	2.3	416
43	Initial plate geometry, shortening variations, and evolution of the Bolivian orocline. <i>Geology</i> , 2002, 30, 867.	4.4	79
44	The kinematic history of the central Andean fold-thrust belt, Bolivia: Implications for building a high plateau. <i>Bulletin of the Geological Society of America</i> , 2002, 114, 950-963.	3.3	198
45	Crossing the several scales of strain-accomplishing mechanisms in the hinterland of the central Andean fold-thrust belt, Bolivia. <i>Journal of Structural Geology</i> , 2002, 24, 1587-1602.	2.3	23
46	Geometry and structural evolution of the central Andean backthrust belt, Bolivia. <i>Tectonics</i> , 2001, 20, 669-692.	2.8	95
47	Raising the Colorado Plateau. <i>Geology</i> , 2000, 28, 91-94.	4.4	2
48	Raising the Colorado Plateau: Comment and Reply. <i>Geology</i> , 2000, 28, 767-768.	4.4	0
49	Subsidence of a volcanic basin by flexure and lower crustal flow: The eastern Snake River Plain, Idaho. <i>Tectonics</i> , 1998, 17, 203-220.	2.8	67