

Djordje Grujic

List of Publications by Year in descending order

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62
papers

4,731
citations

117625

34
h-index

128289

60
g-index

65
all docs

65
docs citations

65
times ranked

3317
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial mediation as a possible mechanism for natural dolomite formation at low temperatures. <i>Nature</i> , 1995, 377, 220-222.	27.8	631
2	Ductile extrusion of the Higher Himalayan Crystalline in Bhutan: evidence from quartz microfabrics. <i>Tectonophysics</i> , 1996, 260, 21-43.	2.2	403
3	Himalayan metamorphic sequence as an orogenic channel: insight from Bhutan. <i>Earth and Planetary Science Letters</i> , 2002, 198, 177-191.	4.4	350
4	Channel flow, ductile extrusion and exhumation in continental collision zones: an introduction. <i>Geological Society Special Publication</i> , 2006, 268, 1-23.	1.3	257
5	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
6	Exhumation of the Main Central Thrust from Lower Crustal Depths, Eastern Bhutan Himalaya. <i>Journal of Metamorphic Geology</i> , 2003, 21, 317-334.	3.4	207
7	Climatic forcing of erosion, landscape, and tectonics in the Bhutan Himalayas. <i>Geology</i> , 2006, 34, 801.	4.4	172
8	Rapid synconvergent exhumation of Miocene-aged lower orogenic crust in the eastern Himalaya. <i>Lithosphere</i> , 2011, 3, 346-366.	1.4	151
9	Exhumation and uplift of the Shillong plateau and its influence on the eastern Himalayas: New constraints from apatite and zircon ($U^{235}/^{238}Sm$)/He and apatite fission track analyses. <i>Tectonics</i> , 2007, 26, .	2.8	134
10	Miocene structural reorganization of the South Tibetan detachment, eastern Himalaya: Implications for continental collision. <i>Lithosphere</i> , 2009, 1, 259-281.	1.4	112
11	Metamorphic history of a synconvergent orogenparallel detachment: The South Tibetan detachment system, Bhutan Himalaya. <i>Journal of Metamorphic Geology</i> , 2010, 28, 785-808.	3.4	104
12	Sediment yield, spatial characteristics, and the long-term evolution of active earthflows determined from airborne LiDAR and historical aerial photographs, Eel River, California. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 1560-1576.	3.3	104
13	The South Tibetan detachment system facilitates ultra rapid cooling of granulite facies rocks in Sikkim Himalaya. <i>Tectonics</i> , 2013, 32, 252-270.	2.8	103
14	Metamorphic reactions related to decompression and synkinematic intrusion of leucogranite, High Himalayan Crystallines, Bhutan. <i>Journal of Metamorphic Geology</i> , 1997, 15, 593-612.	3.4	99
15	Geometry and kinematics of the Main Himalayan Thrust and Neogene crustal exhumation in the Bhutanese Himalaya derived from inversion of multithermochronologic data. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 1446-1481.	3.4	99
16	Probing the depths of the India-Asia collision: $U^{238}/^{235}Pb$ monazite chronology of granulites from NW Bhutan. <i>Tectonics</i> , 2011, 30, .	2.8	96
17	Geologic Map of Bhutan. <i>Journal of Maps</i> , 2011, 7, 184-192.	2.0	79
18	New insight into the South Tibetan detachment system: Not a single progressive deformation. <i>Tectonics</i> , 2012, 31, .	2.8	79

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19	Folds with axes parallel to the extension direction: an experimental study. <i>Journal of Structural Geology</i> , 1995, 17, 279-291.	2.3	69
20	Sequence stratigraphy of a glaciated basin fill, with a focus on esker sedimentation. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 1478-1496.	3.3	69
21	An SEM study of porosity and grain boundary microstructure in quartz mylonites, Simplon Fault Zone, Central Alps. <i>Contributions To Mineralogy and Petrology</i> , 1998, 131, 71-85.	3.1	67
22	Metamorphic evolution of Pan-African granulite facies metapelites from Southern Madagascar. <i>Precambrian Research</i> , 2000, 102, 47-68.	2.7	65
23	What controls the growth of the Himalayan foreland fold-and-thrust belt?. <i>Geology</i> , 2014, 42, 247-250.	4.4	63
24	Seismotectonics of Bhutan: Evidence for segmentation of the Eastern Himalayas and link to foreland deformation. <i>Earth and Planetary Science Letters</i> , 2017, 471, 54-64.	4.4	60
25	The influence of initial fold geometry on type 1 and type 2 interference patterns: an experimental approach. <i>Journal of Structural Geology</i> , 1993, 15, 293-307.	2.3	57
26	Melt-bearing shear zones: analogue experiments and comparison with examples from southern Madagascar. <i>Journal of Structural Geology</i> , 1998, 20, 673-680.	2.3	57
27	Provenance of the Greater Himalayan sequence: Evidence from mafic granulites and amphibolites in NW Bhutan. <i>Tectonophysics</i> , 2010, 480, 198-212.	2.2	54
28	Thermometry of quartz mylonites: Importance of dynamic recrystallization on Ti-in-quartz reequilibration. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	54
29	An insight into the breakup of Gondwana: Identifying events through low-temperature thermochronology from the basement rocks of Madagascar. <i>Tectonics</i> , 2004, 23, n/a-n/a.	2.8	50
30	Channel flow and continental collision tectonics: an overview. <i>Geological Society Special Publication</i> , 2006, 268, 25-37.	1.3	49
31	Late Neogene tectonically driven crustal exhumation of the Sikkim Himalaya: Insights from inversion of multithermochronologic data. <i>Tectonics</i> , 2016, 35, 833-859.	2.8	47
32	Monazite geochronology unravels the timing of crustal thickening in NW Himalaya. <i>Lithos</i> , 2014, 210-211, 111-128.	1.4	45
33	Late Miocene-Pleistocene evolution of India-Eurasia convergence partitioning between the Bhutan Himalaya and the Shillong Plateau: New evidences from foreland basin deposits along the Dungsam Chu section, eastern Bhutan. <i>Tectonics</i> , 2016, 35, 2963-2994.	2.8	44
34	Constraining cooling histories: rutile and titanite chronology and diffusion modelling in NW Bhutan. <i>Journal of Metamorphic Geology</i> , 2012, 30, 113-130.	3.4	40
35	Pulsed channel flow in Bhutan. <i>Geological Society Special Publication</i> , 2006, 268, 415-423.	1.3	33
36	Along-strike variations in the Himalayan orogenic wedge structure in Bhutan from ambient seismic noise tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1483-1498.	2.5	32

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37	Shape and structure of (analogue models of) refolded layers. <i>Journal of Structural Geology</i> , 2002, 24, 1313-1326.	2.3	29
38	Using Small, Temporary Seismic Networks for Investigating Tectonic Deformation: Brittle Deformation and Evidence for Strike-Slip Faulting in Bhutan. <i>Seismological Research Letters</i> , 2007, 78, 446-453.	1.9	29
39	Pliocene episodic exhumation and the significance of the Muniari thrust in the northwestern Himalaya. <i>Earth and Planetary Science Letters</i> , 2018, 481, 273-283.	4.4	28
40	Subducting slabs: Jellyfishes in the Earth's mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	24
41	Formation of orogenic wedges and crustal shear zones by thermal softening, associated topographic evolution and application to natural orogens. <i>Tectonophysics</i> , 2018, 746, 512-529.	2.2	24
42	Anomalously old biotite ⁴⁰ Ar/ ³⁹ Ar ages in the NW Himalaya. <i>Lithosphere</i> , 2017, 9, 366-383.	1.4	22
43	Mechanics of fault and expulsion rollover systems developed on passive margins detached on salt: insights from analogue modelling and optical strain monitoring. <i>Geological Society Special Publication</i> , 2007, 292, 103-121.	1.3	19
44	Eâ€W extension and block rotation of the southeastern Tibet: Unravelling late deformation stages in the eastern Himalayas (NW Bhutan) by means of pyrrhotite remanences. <i>Journal of Structural Geology</i> , 2012, 42, 19-33.	2.3	19
45	Deformation at the Leventina-Simano nappe boundary, Central Alps, Switzerland. <i>Eclogae Geologicae Helveticae</i> , 2004, 97, 265-278.	0.6	17
46	Deformational Temperatures Across the Lesser Himalayan Sequence in Eastern Bhutan and Their Implications for the Deformation History of the Main Central Thrust. <i>Tectonics</i> , 2020, 39, e2019TC005914.	2.8	17
47	Constraining the mid-crustal channel flow beneath the Tibetan Plateau: data from the Nielaxiongbo gneiss dome, SE Tibet. <i>International Geology Review</i> , 2012, 54, 615-632.	2.1	13
48	Stress transfer and connectivity between the Bhutan Himalaya and the Shillong Plateau. <i>Tectonophysics</i> , 2018, 744, 322-332.	2.2	13
49	Ring schlieren: Description and interpretation of field relations in the Halifax Pluton, South Mountain Batholith, Nova Scotia. <i>Journal of Structural Geology</i> , 2013, 51, 193-205.	2.3	11
50	Northern Provenance of the Gondwana Formation in the Lesser Himalayan Sequence: Constraints From 40Ar/39Ar Dating of Detrital Muscovite in Darjeeling-Sikkim Himalaya. <i>Italian Journal of Geosciences</i> , 2017, 136, 15-27.	0.8	11
51	Formation of a Rain Shadow: O and H Stable Isotope Records in Authigenic Clays From the Siwalik Group in Eastern Bhutan. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3430-3447.	2.5	11
52	The not-so-simple effects of boundary conditions on models of simple shear. <i>Geology</i> , 2011, 39, 719-722.	4.4	10
53	Paleoseismological Findings at a New Trench Indicate the 1714 M8.1 Earthquake Ruptured the Main Frontal Thrust Over all the Bhutan Himalaya. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	8
54	Exhumation History of Southern Madagascar as Revealed by Zircon and Apatite Fission-Track Thermochronology. <i>Gondwana Research</i> , 1999, 2, 353-354.	6.0	6

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55	Zircon U-Pb and Lu-Hf isotopes of Huai'an complex granites, North China Craton: Implications for crustal growth, reworking and tectonic evolution. <i>Gondwana Research</i> , 2021, 90, 118-134.	6.0	6
56	Zircon (U-Th)/He Closure Temperature Lower Than Apatite Thermochronometric Systems: Reconciliation of a Paradox. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 145.	2.0	6
57	New apparatus for thermomechanical analogue modeling. , 2001, , .		4
58	Crustal density structures and isostasy beneath the Western North China craton, Trans-North China Orogen, and surrounding regions. <i>Geoscience Frontiers</i> , 2020, 11, 569-580.	8.4	4
59	Protolith affiliation and tectonometamorphic evolution of the Gurla Mandhata core complex, NW Nepal Himalaya. , 2021, 17, 626-646.		3
60	Un nouvel exemple de magmatisme potassique Å ultrapotassique : les syÅ©nites de l'Andringitra (Madagascar). <i>Comptes Rendus De L'AcadÅ©mie Des Sciences Earth & Planetary Sciences SÅ©rie II, Sciences De La Terre Et Des PlanÅ©tes =</i> , 2001, 332, 739-745.	0.2	2
61	Strain-rate- and capillary-number-dependent deformation of weak viscous particles. <i>Journal of Structural Geology</i> , 2022, 162, 104673.	2.3	2
62	Thermotectonic evolution of East Gondwana: granulites of southern Madagascar. <i>Journal of South American Earth Sciences</i> , 1995, 8, VII-VIII.	1.4	1