

Jean-Pierre Burg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4754489/publications.pdf>

Version: 2024-02-01

222
papers

13,283
citations

19657

61
h-index

28297

105
g-index

236
all docs

236
docs citations

236
times ranked

6671
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and evolution of the Himalaya–Tibet orogenic belt. <i>Nature</i> , 1984, 307, 17-22.	27.8	942
2	Tectonics and structural zonation of southern Tibet, China. <i>Nature</i> , 1984, 311, 219-223.	27.8	404
3	Deformation of leucogranites of the crystalline Main Central Sheet in southern Tibet (China). <i>Journal of Structural Geology</i> , 1984, 6, 535-542.	2.3	382
4	Evolutionary model of the Himalaya–Tibet system: geopoembased on new modelling, geological and geophysical data. <i>Earth and Planetary Science Letters</i> , 2000, 174, 397-409.	4.4	375
5	The role of viscous heating in Barrovian metamorphism of collisional orogens: thermomechanical models and application to the Lepontine Dome in the Central Alps. <i>Journal of Metamorphic Geology</i> , 2005, 23, 75-95.	3.4	355
6	High Shear Strain of Olivine Aggregates: Rheological and Seismic Consequences. , 2000, 290, 1564-1567.		249
7	The Tibetan side of the India–Eurasia collision. <i>Nature</i> , 1981, 294, 405-410.	27.8	248
8	The Namche Barwa syntaxis: evidence for exhumation related to compressional crustal folding. <i>Journal of Asian Earth Sciences</i> , 1998, 16, 239-252.	2.3	240
9	Transient hot channels: Perpetrating and regurgitating ultrahigh-pressure, high-temperature crust–mantle associations in collision belts. <i>Lithos</i> , 2008, 103, 236-256.	1.4	218
10	Systematic iron isotope variations in mantle rocks and minerals: The effects of partial melting and oxygen fugacity. <i>Earth and Planetary Science Letters</i> , 2005, 235, 435-452.	4.4	206
11	Variscan intracontinental deformation: The Coimbra–Cordoba shear zone (SW Iberian Peninsula). <i>Tectonophysics</i> , 1981, 78, 161-177.	2.2	182
12	Combined thrusting and wrenching in the Ibero-Armorican arc: A corner effect during continental collision. <i>Earth and Planetary Science Letters</i> , 1982, 61, 319-332.	4.4	182
13	Iron Isotope Fractionation and the Oxygen Fugacity of the Mantle. <i>Science</i> , 2004, 304, 1656-1659.	12.6	173
14	Petrogenesis of Mafic Garnet Granulite in the Lower Crust of the Kohistan Paleo-arc Complex (Northern Pakistan): Implications for Intra-crustal Differentiation of Island Arcs and Generation of Continental Crust. <i>Journal of Petrology</i> , 2006, 47, 1873-1914.	2.8	172
15	Construction of the granitoid crust of an island arc part I: geochronological and geochemical constraints from the plutonic Kohistan (NW Pakistan). <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 739-755.	3.1	167
16	Syn–metamorphic nappe complex in the Rhodope Massif. Structure and kinematics. <i>Terra Nova</i> , 1996, 8, 6-15.	2.1	166
17	Exhumation during crustal folding in the Namche-Barwa syntaxis. <i>Terra Nova</i> , 1997, 9, 53-56.	2.1	164
18	Rhodope and Vardar: the metamorphic and the olistostromic paired belts related to the Cretaceous subduction under Europe. <i>Geodinamica Acta</i> , 1998, 11, 285-309.	2.2	160

#	ARTICLE	IF	CITATIONS
19	Rhodope and Vardar: the metamorphic and the olistostromic paired belts related to the Cretaceous subduction under Europe. <i>Geodinamica Acta</i> , 1998, 11, 285-309.	2.2	159
20	Strain analysis of a shear zone in a granodiorite. <i>Tectonophysics</i> , 1978, 47, 15-42.	2.2	156
21	The roles of flux- and decompression melting and their respective fractionation lines for continental crust formation: Evidence from the Kohistan arc. <i>Earth and Planetary Science Letters</i> , 2011, 303, 25-36.	4.4	156
22	Petrology and Mineral Chemistry of Lower Crustal Intrusions: the Chilas Complex, Kohistan (NW) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	2.8	150
23	Himalayan metamorphism and deformations in the North Himalayan Belt (southern Tibet, China). <i>Earth and Planetary Science Letters</i> , 1984, 69, 391-400.	4.4	141
24	Collision of continental corner from 3-D numerical modeling. <i>Earth and Planetary Science Letters</i> , 2013, 380, 98-111.	4.4	134
25	Infraâ€œarc mantleâ€œcrust transition and intraâ€œarc mantle diapirs in the Kohistan Complex (Pakistani) Tj ETQq1 1 0.784314 rgBT/Over	2.1	131
26	Intrusion of ultramafic magmatic bodies into the continental crust: Numerical simulation. <i>Physics of the Earth and Planetary Interiors</i> , 2007, 160, 124-142.	1.9	131
27	Numerical investigation of deformation mechanics in foldâ€œandâ€œthrust belts: Influence of rheology of single and multiple dÃ©collements. <i>Tectonics</i> , 2012, 31, .	2.8	124
28	Lower continental crust formation through focused flow in km-scale melt conduits: The zoned ultramafic bodies of the Chilas Complex in the Kohistan island arc (NW Pakistan). <i>Earth and Planetary Science Letters</i> , 2006, 242, 320-342.	4.4	119
29	Multiple mantle sources during island arc magmatism: U-Pb and Hf isotopic evidence from the Kohistan arc complex, Pakistan. <i>Terra Nova</i> , 2002, 14, 461-468.	2.1	118
30	Influence of tectonic overpressure on <i>Pâ€œT</i> paths of HPâ€œUHP rocks in continental collision zones: thermomechanical modelling. <i>Journal of Metamorphic Geology</i> , 2010, 28, 227-247.	3.4	118
31	Physical controls of magmatic productivity at Pacific-type convergent margins: Numerical modelling. <i>Physics of the Earth and Planetary Interiors</i> , 2007, 163, 209-232.	1.9	117
32	Geology of the onshore Makran accretionary wedge: Synthesis and tectonic interpretation. <i>Earth-Science Reviews</i> , 2018, 185, 1210-1231.	9.1	113
33	Delamination in collisional orogens: Thermomechanical modeling. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	111
34	Age and isotopic constraints on magmatism along the Karakoram-Kohistan Suture Zone, NW Pakistan: evidence for subduction and continued convergence after India-Asia collision. <i>Swiss Journal of Geosciences</i> , 2007, 100, 85-107.	1.2	108
35	Mesozoicâ€œTertiary structural evolution of an extensional gneiss domeâ€œthe Kesebirâ€œKardamos dome, eastern Rhodope (Bulgariaâ€œGreece). <i>International Journal of Earth Sciences</i> , 2006, 95, 318-340.	1.8	107
36	Growth of the Namche Barwa Syntaxis and associated evolution of the Tsangpo Gorge: Constraints from structural and thermochronological data. <i>Tectonophysics</i> , 2008, 451, 282-289.	2.2	107

#	ARTICLE	IF	CITATIONS
37	Implications of shear-sense criteria for the tectonic evolution of the Central Rhodope massif, southern Bulgaria. <i>Geology</i> , 1990, 18, 451.	4.4	104
38	Subduction versus accretion of intra-oceanic volcanic arcs: insight from thermo-mechanical analogue experiments. <i>Earth and Planetary Science Letters</i> , 2003, 212, 31-45.	4.4	104
39	Kinematics of the Tengchong Terrane in SE Tibet from the late Eocene to early Miocene: Insights from coeval mid-crustal detachments and strike-slip shear zones. <i>Tectonophysics</i> , 2015, 665, 127-148.	2.2	101
40	Texture development of calcite by deformation and dynamic recrystallization at 1000 K during torsion experiments of marble to large strains. <i>Tectonophysics</i> , 2001, 330, 119-140.	2.2	97
41	Shortening of analogue models of the continental lithosphere: New hypothesis for the formation of the Tibetan plateau. <i>Tectonics</i> , 1994, 13, 475-483.	2.8	96
42	Lithospheric scale folding: numerical modelling and application to the Himalayan syntaxes. <i>International Journal of Earth Sciences</i> , 1999, 88, 190-200.	1.8	93
43	Stretching lineation and transport direction in the Ibero-Armorican arc during the siluro-devonian collision. <i>Geodinamica Acta</i> , 1987, 1, 71-87.	2.2	91
44	Metamorphism in the Olary Block, South Australia: compression with cooling in a Proterozoic fold belt. <i>Journal of Metamorphic Geology</i> , 1987, 5, 291-306.	3.4	90
45	3.5 Ga old terranes in the West African Craton, Mauritania. <i>Journal of the Geological Society</i> , 1996, 153, 507-510.	2.1	90
46	Dynamics of double subduction: Numerical modeling. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 171, 280-295.	1.9	90
47	Translithospheric Mantle Diapirism: Geological Evidence and Numerical Modelling of the Kondyor Zoned Ultramafic Complex (Russian Far-East). <i>Journal of Petrology</i> , 2009, 50, 289-321.	2.8	90
48	Timing of normal faulting along the Indus Suture in Pakistan Himalaya and a case of major 231 Pa/ 235 U initial disequilibrium in zircon. <i>Earth and Planetary Science Letters</i> , 2001, 191, 101-114.	4.4	84
49	Viscous heating allows thrusting to overcome crustal-scale buckling: Numerical investigation with application to the Himalayan syntaxes. <i>Earth and Planetary Science Letters</i> , 2008, 274, 189-203.	4.4	84
50	Origin of the island arc Moho transition zone via melt-rock reaction and its implications for intracrustal differentiation of island arcs: Evidence from the Jijal complex (Kohistan complex), Tj ETQq0 0 0 rgBT /Oveelock 108f 50 217	4.4	84
51	A giant catastrophic mudâ€andâ€debris flow in the Miocene Makran. <i>Terra Nova</i> , 2008, 20, 188-193.	2.1	80
52	The Asiaâ€Kohistanâ€India Collision: Review and Discussion. <i>Frontiers in Earth Sciences</i> , 2011, , 279-309.	0.1	77
53	Jurassic rifting at the Eurasian Tethys margin: Geochemical and geochronological constraints from granitoids of North Makran, southeastern Iran. <i>Tectonics</i> , 2015, 34, 571-593.	2.8	76
54	Effect of shape and orientation on rigid particle rotation and matrix deformation in simple shear flow. <i>Journal of Structural Geology</i> , 2001, 23, 113-125.	2.3	75

#	ARTICLE	IF	CITATIONS
55	Stress field associated with elliptical inclusions in a deforming matrix: Mathematical model and implications for tectonic overpressure in the lithosphere. <i>Tectonophysics</i> , 2014, 631, 37-49.	2.2	72
56	The 2014 Earthquake Model of the Middle East: seismogenic sources. <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 3465-3496.	4.1	72
57	Rhodope: From Mesozoic convergence to Cenozoic extension. Review of petro-structural data in the geochronological frame. <i>Journal of the Virtual Explorer</i> , 0, 42, .	0.0	72
58	Structures and way-up criteria in migmatites, with application to the Velay dome (French Massif) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	2.3	69
59	Lithospheric-scale structures from the perspective of analogue continental collision. <i>Tectonophysics</i> , 2005, 406, 1-15.	2.2	69
60	Spatial variability of 10 Be-derived erosion rates across the southern Peninsular Indian escarpment: A key to landscape evolution across passive margins. <i>Earth and Planetary Science Letters</i> , 2015, 425, 154-167.	4.4	67
61	Structural evidence for back sliding of the Kohistan arc in the collisional system of northwest Pakistan. <i>Geology</i> , 1996, 24, 739.	4.4	66
62	A three-dimensional fluid-controlled earthquake model: Behavior and implications. <i>Journal of Geophysical Research</i> , 1999, 104, 10621-10638.	3.3	66
63	Late Cretaceous blueschist metamorphism in the Indus Suture Zone, Shangla region, Pakistan Himalaya. <i>Tectonophysics</i> , 2000, 324, 111-134.	2.2	65
64	The Scandinavian Caledonides and their relationship to the Variscan belt. <i>Geological Society Special Publication</i> , 1997, 121, 179-200.	1.3	61
65	Seismicity preceding volcanic eruptions: New experimental insights. <i>Geology</i> , 2007, 35, 183.	4.4	61
66	The origin of kinks in polycrystalline ice. <i>Tectonophysics</i> , 1986, 127, 27-48.	2.2	60
67	Stratigraphic and structural constraints on the proterozoic tectonic history of the Olary Block, South Australia. <i>Precambrian Research</i> , 1986, 34, 107-137.	2.7	58
68	Timing of juvenile arc crust formation and evolution in the Sapat Complex (Kohistanâ€“Pakistan). <i>Chemical Geology</i> , 2011, 280, 243-256.	3.3	55
69	TTC-type plutonic rocks formed in a modern arc batholith by hydrous fractionation in the lower arc crust. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 1099-1118.	3.1	55
70	Bubbles attenuate elastic waves at seismic frequencies: First experimental evidence. <i>Geophysical Research Letters</i> , 2015, 42, 3880-3887.	4.0	55
71	Late Variscan strike-slip tectonics between the TeplÃ¡-Barrandian and Moldanubian terranes (Czech) Tj ETQq1 1 0.784314 rgBT/Overlock 54	2.1	54
72	Granulites and charnockites of the Gruf Complex: Evidence for Permian ultra-high temperature metamorphism in the Central Alps. <i>Lithos</i> , 2011, 124, 17-45.	1.4	54

#	ARTICLE	IF	CITATIONS
73	Evidence for a "Cadomian" ophiolite and magmatic-arc complex in SW Bulgaria. <i>Precambrian Research</i> , 2012, 212-213, 275-295.	2.7	54
74	Thermo-mechanical pressurization of experimental faults in cohesive rocks during seismic slip. <i>Earth and Planetary Science Letters</i> , 2015, 429, 1-10.	4.4	54
75	Exhumation of migmatites in two collapsed orogens: Canadian Cordillera and French Variscides. <i>Geological Society Special Publication</i> , 1999, 154, 181-204.	1.3	53
76	Ductile structures and instabilities: their implication for Variscan tectonics in the Ardennes. <i>Tectonophysics</i> , 1999, 309, 1-25.	2.2	52
77	Brittle versus ductile deformation as the main control of the deep fluid circulation in oceanic crust. <i>Geophysical Research Letters</i> , 2015, 42, 2767-2773.	4.0	51
78	Stress-strength relationship in the lithosphere during continental collision. <i>Geology</i> , 2009, 37, 775-778.	4.4	50
79	High-resolution 3D numerical modeling of thrust wedges: Influence of décollement strength on transfer zones. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1131-1155.	2.5	50
80	Inverted metamorphic zonation and large-scale thrusting in the Variscan Belt: an example in the French Massif Central. <i>Geological Society Special Publication</i> , 1984, 14, 47-61.	1.3	49
81	Strain localisation in biminerale rocks: Experimental deformation of synthetic calcite-anhydrite aggregates. <i>Earth and Planetary Science Letters</i> , 2005, 240, 748-763.	4.4	49
82	Dynamic recrystallization and fabric development during the simple shear deformation of ice. <i>Journal of Structural Geology</i> , 1986, 8, 857-870.	2.3	48
83	Thermotectonic evolution of an extensional dome: the Cenozoic Osogovo-Lisets core complex (Kraishte zone, western Bulgaria). <i>International Journal of Earth Sciences</i> , 2004, 93, 1008-1024.	1.8	48
84	Fault analysis and paleostress evolution in large strain regions: methodological and geological discussion of the southeastern Himalayan fold-and-thrust belt in Pakistan. <i>Journal of Asian Earth Sciences</i> , 2005, 24, 445-467.	2.3	47
85	Precollision tilt of crustal blocks in rifted island arcs: Structural evidence from the Kohistan Arc. <i>Tectonics</i> , 2006, 25, n/a-n/a.	2.8	46
86	Magma and fluid percolation in arc to forearc mantle: Evidence from Sapat (Kohistan, Northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	1.4	46
87	Middle and Late Carboniferous extension In the Variscan Belt: structural and petrological evidences from the Vosges massif (Eastern France). <i>Geodinamica Acta</i> , 1992, 5, 17-36.	2.2	46
88	Strain trajectories above the Main Central Thrust (Himalaya) in southern Tibet. <i>Nature</i> , 1985, 313, 388-390.	27.8	44
89	Geodynamic régimes of intra-oceanic subduction: Implications for arc extension vs. shortening processes. <i>Gondwana Research</i> , 2014, 25, 546-560.	6.0	43
90	Arc "Continent Collision: The Making of an Orogen. <i>Frontiers in Earth Sciences</i> , 2011, , 477-493.	0.1	42

#	ARTICLE	IF	CITATIONS
91	Stratigraphy and structure of the Indus Suture in the Lower Swat, Pakistan, NW Himalaya. <i>Journal of Asian Earth Sciences</i> , 1998, 16, 225-238.	2.3	40
92	Continuous vs. discontinuous melt segregation in migmatites: insights from a cellular automaton model. <i>Terra Nova</i> , 2000, 12, 188-192.	2.1	40
93	Low-temperature cooling history of the Shuswap metamorphic core complex, British Columbia: constraints from apatite and zircon fission-track ages. <i>Canadian Journal of Earth Sciences</i> , 2001, 38, 1615-1625.	1.3	40
94	Permeability and seismic velocity anisotropy across a ductile-brittle fault zone in crystalline rock. <i>Solid Earth</i> , 2018, 9, 683-698.	2.8	40
95	Shear structures in anhydrite at the base of thrust sheets (Antalya, Southern Turkey). <i>Journal of Structural Geology</i> , 1987, 9, 555-561.	2.3	39
96	P-wave anisotropy in eclogites and relationship to the omphacite crystallographic fabric. <i>Physics and Chemistry of the Earth</i> , 2000, 25, 119-126.	0.6	39
97	U-Pb zircon dating of the Gruf Complex: disclosing the late Variscan granulitic lower crust of Europe stranded in the Central Alps. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 353-378.	3.1	39
98	Forward propagation of the Zagros Simply Folded Belt constrained from magnetostratigraphy of growth strata. <i>Tectonics</i> , 2014, 33, 1534-1551.	2.8	39
99	Rate of crustal shortening and non-Coulomb behaviour of an active accretionary wedge: The folded fluvial terraces in Makran (SE, Iran). <i>Earth and Planetary Science Letters</i> , 2012, 355-356, 187-198.	4.4	38
100	Effects of mass waste events on thrust wedges: Analogue experiments and application to the Makran accretionary wedge. <i>Tectonics</i> , 2010, 29, .	2.8	37
101	Late Archaean thrusting in the northwestern Pontiac Subprovince, Canadian Shield. <i>Precambrian Research</i> , 1993, 61, 51-66.	2.7	36
102	Development of igneous layering during growth of pluton: The TarÅsouate Laccolith (Morocco). <i>Tectonophysics</i> , 2006, 413, 271-286.	2.2	36
103	Bimodal behavior of extended continental lithosphere: Modeling insight and application to thermal history of migmatitic core complexes. <i>Tectonophysics</i> , 2012, 579, 88-103.	2.2	35
104	Geochronological and structural constraints on the Cretaceous thermotectonic evolution of the Kraishte zone, western Bulgaria. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	34
105	U-Pb geochronology and geochemistry of Zahedan and Shah Kuh plutons, southeast Iran: Implication for closure of the South Sistan suture zone. <i>Lithos</i> , 2016, 248-251, 293-308.	1.4	34
106	A kinematic analysis of the southernmost part of the Bega Batholith. <i>Australian Journal of Earth Sciences</i> , 1988, 35, 1-13.	1.0	33
107	Dome structures in collision orogens: Mechanical investigation of the gravity/compression interplay. , 2004, , .		33
108	Rheology of dolomite: Large strain torsion experiments and natural examples. <i>Journal of Structural Geology</i> , 2008, 30, 767-776.	2.3	33

#	ARTICLE	IF	CITATIONS
109	Metasomatized mantle as the source of Mid-Miocene-Quaternary volcanism in NW-Iranian Azerbaijan: Geochronological and geochemical evidence. <i>Lithos</i> , 2018, 304-307, 311-328.	1.4	33
110	The Palaeoproterozoic in western Anti-Atlas (Morocco): a clarification. <i>Journal of African Earth Sciences</i> , 2004, 39, 239-245.	2.0	32
111	Evidence for a Variscan suture zone in the Vendée, France: a petrological study of blueschist facies rocks from Bois de Cené. <i>Journal of Metamorphic Geology</i> , 1987, 5, 225-237.	3.4	31
112	Magma Transfer and Evolution in Channels within the Arc Crust: the Pyroxenitic Feeder Pipes of Sapat (Kohistan, Pakistan). <i>Journal of Petrology</i> , 2015, 56, 1309-1342.	2.8	31
113	Quartz shape fabric variations and c-axis fabrics in a ribbon-mylonite: arguments for an oscillating foliation. <i>Journal of Structural Geology</i> , 1986, 8, 123-131.	2.3	29
114	Model-inspired interpretation of seismic structures in the Central Alps: Crustal wedging and buckling at mature stage of collision. <i>Geology</i> , 2002, 30, 643.	4.4	29
115	Stress orientation and fracturing during three-dimensional buckling: Numerical simulation and application to chocolate-tablet structures in folded turbidites, SW Portugal. <i>Tectonophysics</i> , 2010, 493, 187-195.	2.2	29
116	Boudinage in nature and experiment. <i>Tectonophysics</i> , 2012, 526-529, 88-96.	2.2	29
117	From Mesoproterozoic magmatism to collisional Cretaceous anatexis: Tectonomagmatic history of the Pelagonian Zone, Greece. <i>Tectonics</i> , 2014, 33, 1552-1576.	2.8	29
118	3D effects of strain vs. velocity weakening on deformation patterns in accretionary wedges. <i>Tectonophysics</i> , 2014, 615-616, 122-141.	2.2	29
119	Detrital zircon and provenance analysis of Late Cretaceous–Miocene onshore Iranian Makran strata: Implications for the tectonic setting. <i>Bulletin of the Geological Society of America</i> , 2016, 128, 1481-1499.	3.3	29
120	Deformation of two phase systems with contrasting rheologies. <i>Tectonophysics</i> , 1987, 135, 199-205.	2.2	28
121	Shear-sense criteria in the Antalya and Alanya thrust system (southwestern Turkey): evidence for a southward emplacement. <i>Tectonophysics</i> , 1989, 161, 81-91.	2.2	28
122	Thermo-mechanical approach to validation of deep crustal and lithospheric structures inferred from multidisciplinary data: application to the Western and Northern Alps. <i>Terra Nova</i> , 1999, 11, 124-131.	2.1	28
123	Geomorphological analysis of the drainage system on the growing Makran accretionary wedge. <i>Geomorphology</i> , 2014, 209, 111-132.	2.6	28
124	Low-temperature constraints on the Cenozoic thermal evolution of the Southern Rhodope Core Complex (Northern Greece). <i>International Journal of Earth Sciences</i> , 2015, 104, 1337-1352.	1.8	28
125	2D thermomechanical modelling of continent–arc–continent collision. <i>Gondwana Research</i> , 2016, 32, 138-150.	6.0	28
126	Near-ridge initiation of intraoceanic subduction: Effects of inheritance in 3D numerical models of the Wilson Cycle. <i>Tectonophysics</i> , 2019, 763, 1-13.	2.2	28

#	ARTICLE	IF	CITATIONS
127	Late orogenic extension in the Bohemian Massif: petrostructural evidence in the Hlinsko region. <i>Geodinamica Acta</i> , 1994, 7, 15-30.	2.2	28
128	Sutures, thrusts and nappes in the Variscan Arc of western Europe: plate tectonic implications. <i>Geological Society Special Publication</i> , 1981, 9, 353-358.	1.3	27
129	From buckling to asymmetric folding of the continental lithosphere: numerical modelling and application to the Himalayan syntaxes. <i>Geological Society Special Publication</i> , 2000, 170, 219-236.	1.3	26
130	Lithospheric-scale analogue modelling of collision zones with a pre-existing weak zone. <i>Geological Society Special Publication</i> , 2005, 243, 277-294.	1.3	26
131	Mechanics of kink-bands during torsion deformation of muscovite aggregate. <i>Tectonophysics</i> , 2012, 548-549, 22-33.	2.2	26
132	From Jurassic rifting to Cretaceous subduction in NW Iranian Azerbaijan: geochronological and geochemical signals from granitoids. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	26
133	Timeline of the South Tibet "Himalayan belt: the geochronological record of subduction, collision, and underthrusting from zircon and monazite U-Pb ages. <i>Canadian Journal of Earth Sciences</i> , 2019, 56, 1318-1332.	1.3	26
134	Tension fractures and boudinage oblique to the maximum extension direction: an analogy with Årders' bands. <i>Tectonophysics</i> , 1982, 83, 347-363.	2.2	25
135	Paleostress analysis of Cenozoic faulting in the Kraishte area, SW Bulgaria. <i>Journal of Structural Geology</i> , 2011, 33, 859-874.	2.3	25
136	Geological evidence and modeling of melt migration by porosity waves in the sub-arc mantle of Kohistan (Pakistan). <i>Geology</i> , 2011, 39, 1091-1094.	4.4	25
137	Strain localization and melt segregation in deforming metapelites. <i>Physics of the Earth and Planetary Interiors</i> , 2009, 177, 173-179.	1.9	24
138	Formation and preservation of fresh lawsonite: Geothermobarometry of the North Makran Blueschists, southeast Iran. <i>Journal of Metamorphic Geology</i> , 2017, 35, 871-895.	3.4	24
139	Neoproterozoic granitoids along the Ailao Shan-Red River belt: Zircon U-Pb geochronology, Hf isotope analysis and tectonic implications. <i>Precambrian Research</i> , 2017, 299, 244-263.	2.7	24
140	Rheology of talc sheared at high pressure and temperature: a case study for hot subduction zones. <i>Tectonophysics</i> , 2014, 610, 51-62.	2.2	23
141	Inverted metamorphic zonation and Variscan thrust tectonics in the rouergue area (Massif Central). <i>Tectonophysics</i> , 1989, 43, 423-439.	1.3	22
142	P-T estimates and timing of the sapphirine-bearing metamorphic overprint in kyanite eclogites from Central Rhodope, northern Greece. <i>Petrology</i> , 2013, 21, 507-521.	0.9	22
143	Jurassic carbonatite and alkaline magmatism in the Ivrea zone (European Alps) related to the breakup of Pangea. <i>Geology</i> , 2019, 47, 199-202.	4.4	22
144	Staurolite producing reactions and geothermobarometry of a high pressure thermal aureole in the French Massif Central. <i>Journal of Metamorphic Geology</i> , 1984, 2, 55-72.	3.4	20

#	ARTICLE	IF	CITATIONS
145	Regional shear variation in relation to diapirism and folding. <i>Journal of Structural Geology</i> , 1987, 9, 925-934.	2.3	20
146	Orogeny through time: an overview. <i>Geological Society Special Publication</i> , 1997, 121, 1-17.	1.3	20
147	Multiproxy Isotopic and Geochemical Analysis of the Siwalik Sediments in NW India: Implication for the Late Cenozoic Tectonic Evolution of the Himalaya. <i>Tectonics</i> , 2019, 38, 120-143.	2.8	19
148	Syn-migmatization way-up criteria. <i>Journal of Structural Geology</i> , 1991, 13, 617-623.	2.3	18
149	Mafic and ultramafic amphibolites from the northwestern Pontiac Subprovince: chemical characterization and implications for tectonic setting. <i>Canadian Journal of Earth Sciences</i> , 1993, 30, 1110-1122.	1.3	18
150	Non-linear feedback loops in the rheology of cooling-crystallizing felsic magma and heating-melting felsic rock. <i>Geological Society Special Publication</i> , 2002, 200, 275-292.	1.3	18
151	Shear strain localization from the upper mantle to the middle crust of the Kohistan Arc (Pakistan). <i>Geological Society Special Publication</i> , 2005, 245, 25-38.	1.3	18
152	GEM OLIVINE AND CALCITE MINERALIZATION PRECIPITATED FROM SUBDUCTION-DERIVED FLUIDS IN THE KOHISTAN ARC-MANTLE (PAKISTAN). <i>Canadian Mineralogist</i> , 2012, 50, 1291-1304.	1.0	18
153	Tectonometamorphic history of the Gruf complex (Central Alps): exhumation of a granulite-migmatite complex with the Bergell pluton. <i>Swiss Journal of Geosciences</i> , 2013, 106, 33-62.	1.2	18
154	Detrital zircon and provenance analysis of Eocene-Oligocene strata in the South Sistan suture zone, southeast Iran: Implications for the tectonic setting. <i>Lithosphere</i> , 2016, 8, 615-632.	1.4	18
155	Arc magmatism witnessed by detrital zircon U-Pb geochronology, Hf isotopes and provenance analysis of Late Cretaceous-Miocene sandstones of onshore western Makran (SE Iran). <i>Numerische Mathematik</i> , 2017, 317, 941-964.	1.4	18
156	Ductile and brittle deformation in the Cann Valley Granitoids, Victoria. <i>Australian Journal of Earth Sciences</i> , 1987, 34, 95-110.	1.0	17
157	Development of a seismic source model for probabilistic seismic hazard assessment of nuclear power plant sites in Switzerland: the view from PEGASOS Expert Group 4 (EG1d). <i>Swiss Journal of Geosciences</i> , 2009, 102, 189-209.	1.2	17
158	U-Pb zircon systematics of the Mansehra Granitic Complex: implications on the early Paleozoic orogenesis in NW Himalaya of Pakistan. <i>Geosciences Journal</i> , 2016, 20, 427-447.	1.2	17
159	Pre-collisional anastomosing shear zones in the Kohistan arc, NW Pakistan. <i>Geological Society Special Publication</i> , 2000, 170, 295-311.	1.3	16
160	Fluid-assisted particulate flow of turbidites at very low temperature: A key to tight folding in a submarine Variscan foreland basin of SW Europe. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	16
161	Active faults pattern and interplay in the Azerbaijan region (NW Iran). <i>Geotectonics</i> , 2017, 51, 428-437.	0.9	16
162	Shear structures and microstructures in micaschists: the Variscan C�vannes duplex (French Massif) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.3	15

#	ARTICLE	IF	CITATIONS
163	High-temperature and pressure seismic properties of a lower crustal prograde shear zone from the Kohistan Arc, Pakistan. <i>Geological Society Special Publication</i> , 2005, 245, 187-202.	1.3	15
164	Toward 4D modeling of orogenic belts: Example from the transpressive Zagros Fold Belt. <i>Tectonophysics</i> , 2017, 702, 82-89.	2.2	15
165	Geomorphic fluvial markers reveal transient landscape evolution in tectonically quiescent southern Peninsular India. <i>Geological Journal</i> , 2017, 52, 681-702.	1.3	15
166	Shear strain analysis and periodicity within shear gradients of metagranite shear zones. <i>Journal of Structural Geology</i> , 1995, 17, 819-830.	2.3	14
167	Characterization of 17th Century Mughal tile glazes from Shahdara Complex, Lahore-Pakistan. <i>Journal of Cultural Heritage</i> , 2013, 14, 174-179.	3.3	14
168	Rheology of synthetic polycrystalline halite in torsion. <i>Tectonophysics</i> , 2013, 583, 124-130.	2.2	14
169	Pressure-solution structures in a granite. <i>Journal of Structural Geology</i> , 1985, 7, 431-436.	2.3	13
170	Rheological transition during large strain deformation of melting and crystallizing metapelites. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 3971-3985.	3.4	13
171	Shale-related minibasins atop a massive olistostrome in an active accretionary wedge setting: Two-dimensional numerical modeling applied to the Iranian Makran. <i>Geology</i> , 2018, 46, 791-794.	4.4	13
172	Multistage Remobilization of the Southwestern Margin of the South China Plate: Insights From Zircon Uâ€Pb Geochronology and Hf Isotope of Granitic Rocks From the Yao Shan Complex, Southeastern Tibet Plateau. <i>Tectonics</i> , 2019, 38, 621-640.	2.8	13
173	Paleostress regimes from brittle structures of the Karakoramâ€™Kohistan Suture Zone and surrounding areas of NW Pakistan. <i>Journal of Asian Earth Sciences</i> , 2010, 38, 307-335.	2.3	12
174	Polyphase evolution of Pelagonia (northern Greece) revealed by geological and fission-track data. <i>Solid Earth</i> , 2015, 6, 285-302.	2.8	12
175	Fault systems and Paleo-stress tensors in the Indus Suture Zone (NW Pakistan). <i>Journal of Asian Earth Sciences</i> , 2000, 18, 547-559.	2.3	11
176	Rheology and microstructure of synthetic halite/calcite porphyritic aggregates in torsion. <i>Journal of Structural Geology</i> , 2010, 32, 342-349.	2.3	11
177	Microstructure and mechanical properties of halite/coarse muscovite synthetic aggregates deformed in torsion. <i>Journal of Structural Geology</i> , 2011, 33, 624-632.	2.3	11
178	Seismic properties of the Kohistan oceanic arc root: Insights from laboratory measurements and thermodynamic modeling. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1819-1841.	2.5	11
179	Correlation of fluvial terraces and temporal steady-state incision on the onshore Makran accretionary wedge in southeastern Iran: Insight from channel profiles and ¹⁰ Be exposure dating of strath terraces. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 560-583.	3.3	11
180	Strain distribution within the Pardailhan Nappe (Montagne Noire, France) and structure of its basal thrust zone: implications for events associated with nappe emplacement. <i>Journal of Structural Geology</i> , 1983, 5, 431-440.	2.3	10

#	ARTICLE	IF	CITATIONS
181	Asymmetric compositional layering of syntectonic metamorphic veins as way-up criterion. <i>Geology</i> , 1991, 19, 1112.	4.4	10
182	Dynamic unfolding of multilayers: 2D numerical approach and application to turbidites in SW Portugal. <i>Tectonophysics</i> , 2010, 494, 64-74.	2.2	10
183	The Siah Cheshmeh-Khoy-Misho-Tabriz fault (NW Iran) is a cryptic neotethys suture: evidence from detrital zircon geochronology, Hf isotopes, and provenance analysis. <i>International Geology Review</i> , 2022, 64, 182-202.	2.1	10
184	Active tectonics along the Khazar fault (Alborz, Iran). <i>Journal of Asian Earth Sciences</i> , 2021, 219, 104893.	2.3	10
185	Exhumation across the Indus Suture Zone: a record of back sliding of the hanging wall. <i>Terra Nova</i> , 2007, 19, 425-431.	2.1	9
186	Effect of finite deformation and deformation rate on partial melting and crystallization in metapelites. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	9
187	Natural annealing of dynamically recrystallised quartzite fabrics: Example from the C�vennes, SE French Massif Central. <i>Journal of Structural Geology</i> , 2011, 33, 244-254.	2.3	9
188	Cenozoic thermal evolution of the Central Rhodope Metamorphic Complex (Southern Bulgaria). <i>International Journal of Earth Sciences</i> , 2020, 109, 1589-1611.	1.8	9
189	Strain-rate-dependent rheology of partially molten rocks. <i>Geological Society Special Publication</i> , 2004, 227, 327-336.	1.3	8
190	Structural evolution of the footwall of the Indus Suture in Malakand (N Pakistan) during the Himalayan collision. <i>Journal of Asian Earth Sciences</i> , 2006, 27, 691-706.	2.3	8
191	Phanerozoic surface history of southern Peninsular India from apatite (U�Th�Sm)/He data. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3626-3648.	2.5	8
192	Structural evolution and exhumation of the Yulong dome: Constraints on middle crustal flow in southeastern Tibetan Plateau in response to the India-Eurasia collision. <i>Journal of Structural Geology</i> , 2020, 137, 104070.	2.3	8
193	Strain localisation in an orthogneiss laccolith (the Pinet Massif, Aveyron, southern France). <i>Tectonophysics</i> , 1997, 280, 47-60.	2.2	7
194	Metamorphic conditions and structural evolution of the Kesebir-Kardamos dome: Rhodope metamorphic complex (Greece-Bulgaria). <i>International Journal of Earth Sciences</i> , 2017, 106, 2667-2685.	1.8	7
195	3D numerical modelling of the Wilson cycle: structural inheritance of alternating subduction polarity. <i>Geological Society Special Publication</i> , 2019, 470, 439-461.	1.3	7
196	Crustal-Scale Thrust Complex in the Rhodope Massif. , 1995, , 125-149.		7
197	Rhodope and Vardar: the metamorphic and the olistostromic paired belts related to the Cretaceous subduction under Europe Reply to Ivan ZAGORCHEV's comment "�Rhodope facts and Tethys self-delusions�". <i>Geodinamica Acta</i> , 2000, 13, 61-63.	2.2	6
198	Characteristics of Ancient Mortars and Plasters from the Archaeological Site of Akbari-Serai (Pakistan). <i>Asian Journal of Chemistry</i> , 2013, 25, 8484-8488.	0.3	6

#	ARTICLE	IF	CITATIONS
199	Short-time (< 10 ka) denudation rates as a marker of active folding in the Zagros Fold Belt (Iran). <i>Terra Nova</i> , 2019, 31, 111-119.	2.1	6
200	Simulation of Crustal Melt Segregation Through Cellular Automata: Insight on Steady and Non-steady State Effects Under Deformation. <i>Pure and Applied Geophysics</i> , 2005, 162, 987-1011.	1.9	5
201	Preliminary investigation of late Mughal period wall paintings from historic monuments of Begumpura, Lahore. <i>Frontiers of Architectural Research</i> , 2018, 7, 465-472.	2.8	5
202	Quaternary landscape evolution in the Western Argentine Precordillera constrained by ¹⁰ Be cosmogenic dating. <i>Geomorphology</i> , 2022, 396, 107984.	2.6	5
203	Chemical and Mineralogical Characterization of Old Mortars from Jahangir Tomb, Lahore-Pakistan. <i>Asian Journal of Chemistry</i> , 2013, 25, 133-138.	0.3	4
204	Mechanics, microstructure and AMS evolution of a synthetic porphyritic calcite aggregate deformed in torsion. <i>Tectonophysics</i> , 2015, 655, 41-57.	2.2	4
205	Carbonatitic dykes during Pangaea transtension (Pelagonian Zone, Greece). <i>Lithos</i> , 2018, 302-303, 329-340.	1.4	4
206	L'Amsaga (Mauritanie), fragment Archéen du Craton Ouest-Africain: observations et hypothèses nouvelles. <i>Journal of African Earth Sciences (and the Middle East)</i> , 1992, 14, 183-190.	0.2	3
207	Microstructural and mechanical effects of strong fine-grained muscovite in soft halite matrix: Shear strain localization in torsion. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	3
208	Cooling-rate constraints from metapelites across two inverted metamorphic sequences of the Alpine-Himalayan belt; evidence for viscous heating. <i>Journal of Structural Geology</i> , 2022, 156, 104536.	2.3	3
209	Characterization of Mughal Bricks from Jahangir Tomb, Lahore-Pakistan. <i>Asian Journal of Chemistry</i> , 2013, 25, 3255-3258.	0.3	2
210	Boris Choubert: Unrecognized visionary geologist, pioneer of the global tectonics. <i>Bulletin - Societe Geologique De France</i> , 2018, 189, 7.	2.2	2
211	Structural Characteristics, Paleoseismology and Slip Rate of the Qoshadagh Fault, Northwest of Iran. <i>Geotectonics</i> , 2019, 53, 280-297.	0.9	2
212	U-Pb zircon geochronology and phase equilibria modelling of HP-LT rocks in the Ossa-Morena Zone, Portugal. <i>International Journal of Earth Sciences</i> , 2020, 109, 2719-2738.	1.8	2
213	The paradoxical aspect of the Himalayan granites. <i>Journal of the Virtual Explorer</i> , 0, 11, .	0.0	2
214	Strain analysis of a shear zone in a granodiorite—reply. <i>Tectonophysics</i> , 1979, 60, 313-315.	2.2	1
215	Continental extension: Introduction. <i>International Journal of Earth Sciences</i> , 2007, 96, 977-978.	1.8	0
216	The role of viscosity heterogeneities in the development of pressure variations. <i>Geotectonic Research</i> , 2015, 97, 73-74.	0.1	0

#	ARTICLE	IF	CITATIONS
217	Mineralogy and geochemistry of calc-alkaline magmatic rocks from the Mansehra Granitic Complex, NW Himalaya, Pakistan: insights into petrogenesis and tectonic setting. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	0
218	Cadomian crustal evolution of Turkey, Iran, and environs. International Geology Review, 0, , 1-4.	2.1	0
219	Analytical Characterization of Deteriorated Stone Surfaces from Jahangir Tomb, Lahore, Pakistan. Asian Journal of Chemistry, 2014, 26, 790-794.	0.3	0
220	Chemical Weathering of Lime Mortars from the Jahangir Tomb, Lahore-Pakistan. International Journal of Scientific Research in Chemical Engineering, 2014, 1, 106-114.	0.1	0
221	Strain distribution within the Pardailhan Nappe (Montagne Noire, France) and structure of its basal thrust zone: implications for events associated with nappe emplacement. , 1983, , 431-440.		0
222	Seismotectonics of the Inner Tienshan: Suusamy Basin and adjacent areas. Geodinamika I Tektonofizika, 2020, 11, 39-52.	0.7	0