

Karel Schulmann

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195
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71
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212
ext. papers

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#	Paper	IF	Citations
195	Growth, annealing and recrystallization of zircon and preservation of monazite in high-grade metamorphism: conventional and in-situ U-Pb isotope, cathodoluminescence and microchemical evidence. <i>Contributions To Mineralogy and Petrology</i> , 1999 , 134, 186-201	3.5	504
194	An Andean type Palaeozoic convergence in the Bohemian Massif. <i>Comptes Rendus - Geoscience</i> , 2009 , 341, 266-286	1.4	200
193	A new concept of continental construction in the Central Asian Orogenic Belt. <i>Episodes</i> , 2011 , 34, 186-196		173
192	Chronological constraints on the pre-orogenic history, burial and exhumation of deep-seated rocks along the eastern margin of the Variscan Orogen, Bohemian Massif, Czech Republic. <i>Numerische Mathematik</i> , 2005 , 305, 407-448	5.3	166
191	Lithostratigraphic and geochronological constraints on the evolution of the Central Asian Orogenic Belt in SW Mongolia: Early Paleozoic rifting followed by late Paleozoic accretion. <i>Numerische Mathematik</i> , 2010 , 310, 523-574	5.3	147
190	Vertical extrusion and horizontal channel flow of orogenic lower crust: key exhumation mechanisms in large hot orogens?. <i>Journal of Metamorphic Geology</i> , 2008 , 26, 273-297	4.4	144
189	Structural constraints on the evolution of the Central Asian Orogenic Belt in SW Mongolia. <i>Numerische Mathematik</i> , 2010 , 310, 575-628	5.3	137
188	Vertical extrusion and middle crustal spreading of omphacite granulite: a model of syn-convergent exhumation (Bohemian Massif, Czech Republic). <i>Journal of Metamorphic Geology</i> , 2004 , 22, 179-198	4.4	123
187	Thermal evolution and exhumation in obliquely convergent (transpressive) orogens. <i>Tectonophysics</i> , 1997 , 280, 171-184	3.1	117
186	Crustal Melting and the Flow of Mountains. <i>Elements</i> , 2011 , 7, 253-260	3.8	113
185	Thermally softened continental extensional zones (arcs and rifts) as precursors to thickened orogenic belts. <i>Tectonophysics</i> , 2001 , 332, 115-141	3.1	106
184	Heat sources and trigger mechanisms of exhumation of HP granulites in Variscan orogenic root. <i>Journal of Metamorphic Geology</i> , 2011 , 29, 79-102	4.4	101
183	Anatomy of a diffuse cryptic suture zone: An example from the Bohemian Massif, European Variscides. <i>Geology</i> , 2014 , 42, 275-278	5	96
182	A model for a continental accretionary wedge developed by oblique collision: the NE Bohemian Massif. <i>Journal of the Geological Society</i> , 2000 , 157, 401-416	2.7	92
181	Extrusion tectonics and elevation of lower crustal metamorphic rocks in convergent orogens. <i>Geology</i> , 1997 , 25, 491	5	87
180	Thermal evolution of the orogenic lower crust during exhumation within a thickened Moldanubian root of the Variscan belt of Central Europe. <i>Journal of Metamorphic Geology</i> , 2006 , 24, 119-134	4.4	87
179	The behaviour of rigid triaxial ellipsoidal particles in viscous flows modeling of fabric evolution in a multiparticle system. <i>Tectonophysics</i> , 1994 , 229, 165-180	3.1	82

178	Rapid burial and exhumation during orogeny: Thickening and synconvergent exhumation of thermally weakened and thinned crust (Variscan orogen in Western Europe). <i>Numerische Mathematik</i> , 2002 , 302, 856-879	5.3	79
177	Origin of migmatites by deformation-enhanced melt infiltration of orthogneiss: a new model based on quantitative microstructural analysis. <i>Journal of Metamorphic Geology</i> , 2008 , 26, 29-53	4.4	74
176	Fabric evolution of rigid inclusions during mixed coaxial and simple shear flows. <i>Tectonophysics</i> , 1996 , 257, 203-221	3.1	70
175	Contrasting Early Carboniferous field geotherms: evidence for accretion of a thickened orogenic root and subducted Saxothuringian crust (Central European Variscides). <i>Journal of the Geological Society</i> , 2005 , 162, 463-470	2.7	65
174	Granulite microfabrics and deformation mechanisms in southern Madagascar. <i>Journal of Structural Geology</i> , 1999 , 21, 671-687	3	65
173	Multiple magmatic fabrics in the Sřava pluton (Bohemian Massif, Czech Republic): a result of superposition of wrench-dominated regional transpression on final emplacement. <i>Journal of Structural Geology</i> , 2005 , 27, 805-822	3	64
172	Evaluating quartz crystallographic preferred orientations and the role of deformation partitioning using EBSD and fabric analyser techniques. <i>Journal of Structural Geology</i> , 2010 , 32, 803-817	3	63
171	Metamorphic record of burial and exhumation of orogenic lower and middle crust: a new tectonothermal model for the Drosendorf window (Bohemian Massif, Austria). <i>Mineralogy and Petrology</i> , 2006 , 86, 221-251	1.6	62
170	Evolution of nappes in the eastern margin of the Bohemian Massif: a kinematic interpretation. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1991 , 80, 73-92		62
169	Crustal influx, indentation, ductile thinning and gravity redistribution in a continental wedge: Building a Moldanubian mantled gneiss dome with underthrust Saxothuringian material (European Variscan belt). <i>Tectonics</i> , 2012 , 31, n/a-n/a	4.3	59
168	Early Cambrian eclogites in SW Mongolia: evidence that the Palaeo-Asian Ocean suture extends further east than expected. <i>Journal of Metamorphic Geology</i> , 2010 , 28, 915-933	4.4	59
167	Anticlockwise and clockwise rotations of the Eastern Variscides accommodated by dextral lithospheric wrenching: palaeomagnetic and structural evidence. <i>Journal of the Geological Society</i> , 2003 , 160, 209-218	2.7	57
166	The Moldanubian Zone in the French Massif Central, Vosges/Schwarzwald and Bohemian Massif revisited: differences and similarities. <i>Geological Society Special Publication</i> , 2014 , 405, 7-44	1.7	55
165	Late Paleozoic-Mesozoic tectonic evolution of the Trans-Altai and South Gobi Zones in southern Mongolia based on structural and geochronological data. <i>Gondwana Research</i> , 2014 , 25, 309-337	5.1	55
164	Contrasting metamorphic histories of lenses of high-pressure rocks and host migmatites with a flat orogenic fabric (Bohemian Massif, Czech Republic): a result of tectonic mixing within horizontal crustal flow?. <i>Journal of Metamorphic Geology</i> , 2008 , 26, 623-646	4.4	55
163	Kinematic and rheological model of exhumation of high pressure granulites in the Variscan orogenic root: example of the Blanskýes granulite, Bohemian Massif, Czech Republic. <i>Mineralogy and Petrology</i> , 2006 , 86, 253-276	1.6	54
162	High-temperature microstructures and rheology of deformed granite, Erzgebirge, Bohemian Massif. <i>Journal of Structural Geology</i> , 1996 , 18, 719-733	3	54
161	Juxtaposition of Barrovian and migmatite domains in the Chinese Altai: a result of crustal thickening followed by doming of partially molten lower crust. <i>Journal of Metamorphic Geology</i> , 2015 , 33, 45-70	4.4	52

160	A geophysical model of the Variscan orogenic root (Bohemian Massif): Implications for modern collisional orogens. <i>Lithos</i> , 2011 , 124, 144-157	2.9	52
159	Tonalite sill emplacement at an oblique plate boundary: northeastern margin of the Bohemian Massif. <i>Tectonophysics</i> , 1997 , 280, 61-81	3.1	50
158	Thermo-mechanical role of a Cambro-Ordovician paleorift during the Variscan collision: the NE margin of the Bohemian Massif. <i>Tectonophysics</i> , 2001 , 332, 239-253	3.1	50
157	Late Palaeozoic palaeomagnetic and tectonic constraints for amalgamation of Pangea supercontinent in the European Variscan belt. <i>Earth-Science Reviews</i> , 2018 , 177, 589-612	10.2	49
156	Model of syn-convergent extrusion of orogenic lower crust in the core of the Variscan belt: implications for exhumation of high-pressure rocks in large hot orogens. <i>Journal of Metamorphic Geology</i> , 2011 , 29, 53-78	4.4	48
155	Microstructural-deformation record of an orogen-parallel extension in the Vepor Unit, West Carpathians. <i>Journal of Structural Geology</i> , 2007 , 29, 1722-1743	3	47
154	Contrasting textural record of two distinct metamorphic events of similar P-T conditions and different durations. <i>Journal of Metamorphic Geology</i> , 2005 , 23, 649-666	4.4	47
153	Mid-crustal shear zone formation in granitic rocks: Constraints from quantitative textural and crystallographic preferred orientations analyses. <i>Tectonophysics</i> , 2014 , 612-613, 63-80	3.1	45
152	The Variscan tectonic inheritance of the Upper Rhine Graben: evidence of reactivations in the Lias, Late Eocene-Oligocene up to the recent. <i>International Journal of Earth Sciences</i> , 2007 , 96, 305-325	2.2	45
151	Non-scaled analogue modelling of AMS development during viscous flow: A simulation on diapir-like structures. <i>Tectonophysics</i> , 2006 , 418, 51-61	3.1	45
150	Geochemical and geochronological constraints on distinct Early-Neoproterozoic and Cambrian accretionary events along southern margin of the Baydrag Continent in western Mongolia. <i>Gondwana Research</i> , 2017 , 47, 200-227	5.1	44
149	Extreme ductility of feldspar aggregates—Melt-enhanced grain boundary sliding and creep failure: Rheological implications for felsic lower crust. <i>Journal of Geophysical Research</i> , 2007 , 112,		44
148	Inverted metamorphic zonation in a basement-derived nappe sequence, eastern margin of the Bohemian Massif. <i>Geological Journal</i> , 1995 , 30, 385-413	1.7	44
147	Cambrian-Ordovician magmatism of the Ikh-Mongol Arc System exemplified by the Khantaishir Magmatic Complex (Lake Zone, south-central Mongolia). <i>Gondwana Research</i> , 2018 , 54, 122-149	5.1	42
146	Anatexis of accretionary wedge, Pacific-type magmatism, and formation of vertically stratified continental crust in the Altai Orogenic Belt. <i>Tectonics</i> , 2016 , 35, 3095-3118	4.3	42
145	Contrasting styles of deformation during progressive nappe stacking at the southeastern margin of the Bohemian Massif (Thaya Dome). <i>Journal of Structural Geology</i> , 1994 , 16, 355-370	3	41
144	Conversion of the magnetic susceptibility tensor into the orientation tensor in some rocks. <i>Physics of the Earth and Planetary Interiors</i> , 1990 , 63, 71-77	2.3	41
143	Palaeomagnetic and structural constraints on 90° anticlockwise rotation in SW Mongolia during the Permian-Triassic: Implications for Altaid oroclinal bending. Preliminary palaeomagnetic results. <i>Journal of Asian Earth Sciences</i> , 2014 , 94, 157-171	2.8	40

142	Chronological constraints on the pre-Variscan evolution of the northeastern margin of the Bohemian Massif, Czech Republic. <i>Geological Society Special Publication</i> , 2000 , 179, 175-197	1.7	40
141	Neoproterozoic-Early Paleozoic Peri-Pacific Accretionary Evolution of the Mongolian Collage System: Insights From Geochemical and U-Pb Zircon Data From the Ordovician Sedimentary Wedge in the Mongolian Altai. <i>Tectonics</i> , 2017 , 36, 2305-2331	4.3	38
140	Model of successive granite sheet emplacement in transtensional setting: Integrated microstructural and anisotropy of magnetic susceptibility study. <i>Tectonics</i> , 2007 , 26, n/a-n/a	4.3	38
139	Cretaceous collision and indentation in the West Carpathians: View based on structural analysis and numerical modeling. <i>Tectonics</i> , 2003 , 22, n/a-n/a	4.3	38
138	From orthogneiss to migmatite: Geochemical assessment of the melt infiltration model in the GfBl Unit (Moldanubian Zone, Bohemian Massif). <i>Lithos</i> , 2008 , 102, 508-537	2.9	37
137	Monazite Dating of Prograde and Retrograde P-T paths in the Barrovian terrane of the Thaya window, Bohemian Massif. <i>Journal of Petrology</i> , 2015 , 56, 1007-1035	3.9	36
136	Tectonic evolution of the European Variscan belt constrained by palaeomagnetic, structural and anisotropy of magnetic susceptibility data from the Northern Vosges magmatic arc (eastern France). <i>Journal of the Geological Society</i> , 2013 , 170, 785-804	2.7	36
135	Magnetic fabric and rheology of co-mingled magmas in the Nasavrky Plutonic Complex (E Bohemia): implications for intrusive strain regime and emplacement mechanism. <i>Tectonophysics</i> , 1999 , 307, 93-111	3.1	36
134	Distinct deformational history of two contrasting tectonic domains in the Chinese Altai: Their significance in understanding accretionary orogenic process. <i>Journal of Structural Geology</i> , 2015 , 73, 64-82	3	35
133	Composition, Provenance, and Tectonic Setting of the Southern Kangurtag Accretionary Complex in the Eastern Tianshan, NW China: Implications for the Late Paleozoic Evolution of the North Tianshan Ocean. <i>Tectonics</i> , 2019 , 38, 2779-2802	4.3	34
132	Eclogites from the Czech part of the Erzgebirge: multi-stage metamorphic and structural evolution. <i>Journal of the Geological Society</i> , 1998 , 155, 567-583	2.7	34
131	Origin of felsic granulite microstructure by heterogeneous decomposition of alkali feldspar and extreme weakening of orogenic lower crust during the Variscan orogeny. <i>Journal of Metamorphic Geology</i> , 2011 , 29, 103-130	4.4	33
130	Intrusion within a transtensional tectonic domain: the Bstl granodiorite (Bohemian Massif) structure and rheological modelling. <i>Journal of Structural Geology</i> , 2000 , 22, 1437-1454	3	33
129	Importance of crustal relamination in origin of the orogenic mantle peridotite-high-pressure granulite association: example from the Nhl granulite Massif (Bohemian Massif, Czech Republic). <i>Journal of the Geological Society</i> , 2015 , 172, 479-490	2.7	31
128	Microstructural evolution and rheological behaviour of marbles deformed at different crustal levels. <i>Journal of Structural Geology</i> , 2002 , 24, 979-995	3	31
127	Strain distribution and fabric development modeled in active and ancient transpressive zones. <i>Journal of Geophysical Research</i> , 2003 , 108, ETG 6-1-ETG 6-15		31
126	Structural evolution of the central part of the Krušohory (Erzgebirge) Mountains in the Czech Republic: Evidence for changing stress regime during Variscan compression. <i>Journal of Structural Geology</i> , 2001 , 23, 1373-1392	3	31
125	Structural and Geochronological Constraints on Devonian Suprasubduction Tectonic Switching and Permian Collisional Dynamics in the Chinese Altai, Central Asia. <i>Tectonics</i> , 2019 , 38, 253-280	4.3	31

124	The Variscan orogeny: extent, timescale and the formation of the European crust. <i>Geological Society Special Publication</i> , 2014 , 405, 1-6	1.7	30
123	The juxtaposition of eclogite and mid-crustal rocks in the Orlica-Bohemian Dome, Bohemian Massif. <i>Journal of Metamorphic Geology</i> , 2012 , 30, 213-234	4.4	30
122	Geophysical constraints and model of the Saxothuringian and Rhenohercynian subductions in magmatic arc system in NE France and SW Germany. <i>Bulletin - Societe Geologique De France</i> , 2009 , 180, 545-558	2.3	30
121	Internal fabric development in complex lava domes. <i>Tectonophysics</i> , 2009 , 466, 101-113	3.1	30
120	Correlation of allochthonous terranes and major tectonostratigraphic domains between NW Iberia and the Bohemian Massif, European Variscan belt. <i>International Journal of Earth Sciences</i> , 2020 , 109, 1105-1131	2.2	30
119	Polycyclic Palaeozoic evolution of accretionary orogenic wedge in the southern Chinese Altai: Evidence from structural relationships and U-Pb geochronology. <i>Lithos</i> , 2018 , 314-315, 400-424	2.9	29
118	Fabric and kinematic study of the Bohemian orthogneiss (southwestern Moravia): Result of large-scale northeastward shearing parallel to the Moldanubian/Moravian boundary. <i>Tectonophysics</i> , 1990 , 177, 229-244	3.1	29
117	Contrasting tectono-metamorphic evolution of orogenic lower crust in the Bohemian Massif: A numerical model. <i>Gondwana Research</i> , 2014 , 25, 509-521	5.1	28
116	Ductile deformation of tonalite in the Suomusjärvi shear zone, south-western Finland. <i>Journal of Structural Geology</i> , 1998 , 20, 783-798	3	28
115	Tectonic evolution of the Rehamna metamorphic dome (Morocco) in the context of the Alleghanian-Variscan orogeny. <i>Tectonics</i> , 2014 , 33, 1154-1177	4.3	27
114	Metamorphic P-T-t evolution of (U)HP metabasites from the South Tianshan accretionary complex (NW China) - Implications for rock deformation during exhumation in a subduction channel. <i>Gondwana Research</i> , 2017 , 47, 161-187	5.1	27
113	Chronology, petrogenesis and heat sources for successive Carboniferous magmatic events in the Southern-Central Variscan Vosges Mts (NE France). <i>Journal of the Geological Society</i> , 2015 , 172, 87-102	2.7	27
112	Prograde and retrograde metamorphic fabrics - a key for understanding burial and exhumation in orogens (Bohemian Massif). <i>Journal of Metamorphic Geology</i> , 2011 , 29, 451-472	4.4	27
111	Evolution of microstructure and melt topology in partially molten granitic mylonite: Implications for rheology of felsic middle crust. <i>Journal of Geophysical Research</i> , 2008 , 113,		27
110	Are the Chinese Altai terranes the result of juxtaposition of different crustal levels during Late Devonian and Permian orogenesis?. <i>Gondwana Research</i> , 2019 , 66, 183-206	5.1	27
109	European Variscan orogenic evolution as an analogue of Tibetan-Himalayan orogen: Insights from petrology and numerical modeling. <i>Tectonics</i> , 2016 , 35, 1760-1780	4.3	26
108	The significance of Late Devonian ophiolites in the Variscan orogen: a record from the Vosges Klippen Belt. <i>International Journal of Earth Sciences</i> , 2012 , 101, 951-972	2.2	26
107	Microstructural and metamorphic evolution of a high-pressure granitic orthogneiss during continental subduction (Orlica-Bohemian dome, Bohemian Massif). <i>Journal of Metamorphic Geology</i> , 2012 , 30, 347-376	4.4	26

106	Tectono-metamorphic history recorded in garnet porphyroblasts: insights from thermodynamic modelling and electron backscatter diffraction analysis of inclusion trails. <i>Journal of Metamorphic Geology</i> , 2011 , 29, 473-496	4.4	26
105	Early Permian 90° clockwise rotation of the Maures Estel Corsica Sardinia block confirmed by new palaeomagnetic data and followed by a Triassic 60° clockwise rotation. <i>Geological Society Special Publication</i> , 2014 , 405, 333-361	1.7	25
104	Geophysical constraints for terrane boundaries in southern Mongolia. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 7966-7991	3.6	25
103	Petrogenesis and geochronology of a post-orogenic calc-alkaline magmatic association: the Úlov Pluton, Bohemian Massif. <i>Journal of Geosciences (Czech Republic)</i> , 2014 , 415-440	2.4	25
102	Influence of melt induced mechanical anisotropy on the magnetic fabrics and rheology of deforming migmatites, Central Vosges, France. <i>Journal of Structural Geology</i> , 2009 , 31, 1223-1237	3	25
101	Combined Lu-Hf and Sm-Nd geochronology of the MarišskLžnComplex: New constraints on the timing of eclogite- and granulite-facies metamorphism. <i>Lithos</i> , 2018 , 304-307, 74-94	2.9	24
100	PTE record of crustal-scale horizontal flow and magma-assisted doming in the SW Mongolian Altai. <i>Journal of Metamorphic Geology</i> , 2015 , 33, 359-383	4.4	24
99	Mobilization of ore fluids during Alpine metamorphism: evidence from hydrothermal veins in the Variscan basement of Western Carpathians, Slovakia. <i>Geofluids</i> , 2008 , 8, 181-207	1.5	24
98	Eclogite-facies metamorphism at the eastern margin of the Bohemian Massif subduction prior to continental underthrusting?. <i>European Journal of Mineralogy</i> , 2002 , 14, 701-713	2.2	24
97	Mineralization of an intra-oceanic arc in an accretionary orogen: Insights from the Early Silurian Honghai volcanogenic massive sulfide Cu-Zn deposit and associated adakites of the Eastern Tianshan (NW China). <i>Bulletin of the Geological Society of America</i> , 2019 , 131, 803-830	3.9	23
96	Metamorphic inheritance of Rheic passive margin evolution and its early-Variscan overprint in the TeplBarrandian Unit, Bohemian Massif. <i>Journal of Metamorphic Geology</i> , 2017 , 35, 327-355	4.4	23
95	Geophysical and geochemical nature of relaminated arc-derived lower crust underneath oceanic domain in southern Mongolia. <i>Tectonics</i> , 2015 , 34, 1030-1053	4.3	23
94	Three-dimensional hydrodynamical modelling of viscous flow around a rotating ellipsoidal inclusion. <i>Computers and Geosciences</i> , 1999 , 25, 547-558	4.5	23
93	Late orogenic extension in the Bohemian Massif: petrostructural evidence in the Hlinsko region. <i>Geodinamica Acta</i> , 1994 , 7, 15-30	2	23
92	Role of strain localization and melt flow on exhumation of deeply subducted continental crust. <i>Lithosphere</i> , 2018 , 10, 217-238	2.7	23
91	PTE evolution of orogenic middle crust of the Roc de Frausa Massif (Eastern Pyrenees): a result of horizontal crustal flow and Carboniferous doming?. <i>Journal of Metamorphic Geology</i> , 2015 , 33, 273-294	4.4	22
90	Alpine burial and heterogeneous exhumation of Variscan crust in the West Carpathians: insight from thermodynamic and argon diffusion modelling. <i>Journal of the Geological Society</i> , 2008 , 165, 479-498	2.7	22
89	Permian clockwise rotations of the Ebro and Corso-Sardinian blocks during IberianArmorican oroclinal bending: Preliminary paleomagnetic data from the Catalan Coastal Range (NE Spain). <i>Tectonophysics</i> , 2015 , 657, 172-186	3.1	21

88	Some remarks on fabric overprints and constrictional AMS fabrics in igneous rocks. <i>International Journal of Earth Sciences</i> , 2012 , 101, 705-714	2.2	21
87	Inverse ductile thinning via lower crustal flow and fold-induced doming in the West Carpathian Eo-Alpine collisional wedge. <i>Tectonics</i> , 2012 , 31, n/a-n/a	4.3	20
86	Noncoaxial K-feldspar and AMS subfabrics in the Land's End granite, Cornwall: Evidence of magmatic fabric decoupling during late deformation and matrix crystallization. <i>Journal of Geophysical Research</i> , 2010 , 115,		20
85	Indentation as an extrusion mechanism of lower crustal rocks: Insight from analogue and numerical modelling, application to the Eastern Bohemian Massif. <i>Lithos</i> , 2011 , 124, 158-168	2.9	18
84	Hercynian-thrust related shear zones and deformation of the Varied Group on the contact of granulites/Southern Moldanubian, Bohemian Massif/. <i>International Journal of Earth Sciences</i> , 1986 , 75, 665-683	2.2	18
83	Detachment folding of partially molten crust in accretionary orogens: A new magma-enhanced vertical mass and heat transfer mechanism. <i>Lithosphere</i> , 2017 , 9, 889-909	2.7	17
82	Time-scale of deformation and intertectonic phases revealed by P-T-t relationships in the orogenic middle crust of the Orlica-Ďieřník Dome, Polish/Czech Central Sudetes. <i>Journal of Metamorphic Geology</i> , 2014 , 32, 981-1003	4.4	17
81	The mechanism of flow and fabric development in mechanically anisotropic trachyte lava. <i>Journal of Structural Geology</i> , 2009 , 31, 1295-1307	3	17
80	On the effect of lava viscosity on the magnetic fabric intensity in alkaline volcanic rocks. <i>Studia Geophysica Et Geodaetica</i> , 2005 , 49, 191-212	0.7	17
79	Relamination Styles in Collisional Orogens. <i>Tectonics</i> , 2018 , 37, 224-250	4.3	17
78	The impact of the end-Ordovician glaciation on sediment routing systems: A case study from the Meseta (northern Morocco). <i>Gondwana Research</i> , 2018 , 63, 169-178	5.1	16
77	Early Palaeozoic sedimentary record and provenance of flysch sequences in the Hovd Zone (western Mongolia): Implications for the geodynamic evolution of the Altai accretionary wedge system. <i>Gondwana Research</i> , 2018 , 64, 163-183	5.1	16
76	Palaeozoic evolution of the Variscan Vosges Mountains. <i>Geological Society Special Publication</i> , 2014 , 405, 45-75	1.7	15
75	AMS record of brittle dilation, viscous-stretching and gravity-driven magma ascent in area of magma-rich crustal extension (Vosges Mts., NE France). <i>International Journal of Earth Sciences</i> , 2012 , 101, 803-817	2.2	14
74	Contrasting microstructures and deformation mechanisms in metagabbro mylonites contemporaneously deformed under different temperatures (c. 650 °C and c. 750 °C). <i>Geological Society Special Publication</i> , 2005 , 243, 97-125	1.7	14
73	Textural evolution in the transition from subsolidus annealing to melting process, Velay Dome, French Massif Central. <i>Journal of Metamorphic Geology</i> , 1999 , 17, 61-74	4.4	14
72	The evolution of perpendicular linear fabrics in synkinematically emplaced tourmaline granite (central moravia-bohemian massif). <i>Journal of Structural Geology</i> , 1992 , 14, 605-620	3	14
71	Indo-Burma passive amalgamation along the Kaladan Fault: Insights from zircon provenance in the Chittagong-Tripura Fold Belt (Bangladesh). <i>Bulletin of the Geological Society of America</i> , 2020 , 132, 1953-1968	3.9	13

70	Airborne magnetic data compared to petrology of crustal scale shear zones from southern Madagascar: A tool for deciphering magma and fluid transfer in orogenic crust. <i>Journal of African Earth Sciences</i> , 2014 , 94, 74-85	2.2	13
69	Variscan thermal overprints exemplified by U-Th-Pb monazite and K-Ar muscovite and biotite dating at the eastern margin of the Bohemian Massif (East Sudetes, Czech Republic). <i>Journal of Geosciences (Czech Republic)</i> , 2014 , 389-413	2.4	13
68	Granulites, partial melting and the rheology of the lower crust. <i>Journal of Metamorphic Geology</i> , 2011 , 29, 1-6	4.4	13
67	Superposition of Variscan ductile shear deformation on pre-Variscan mantled gneiss structure (Catherine dome, Erzgebirge, Bohemian massif). <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1992 , 81, 501-513		13
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