Karel Schulmann

List of Publications by Year in Descending Order

195 papers	6,746 citations	45 h-index	71 g-index
212 ext. papers	7,543 ext. citations	3.3 avg, IF	5.9 L-index

#	Paper	IF	Citations
195	Reconstruction of the mid-Devonian HP-HT metamorphic event in the Bohemian Massif (European Variscan belt). *Geoscience Frontiers*, **2022**, 13, 101374	6	1
194	Pre-collisional crustal evolution of the European Variscan periphery: Constraints from detrital zircon U-Pb ages and Hf isotopic record in the Precambrian metasedimentary basement of the Brunovistulian Domain. *Precambrian Research*, **2022**, 372, 106606	3.9	0
193	Subduction-controlled temporal and spatial variations in early Palaeozoic sedimentary and volcanic record of the Mongol-Altai Domain. *Journal of Asian Earth Sciences*, **2022**, 230, 105182	2.8	0
192	Tectonic significance of the Variscan suture between Brunovistulia and the Bohemian Massif. *Journal of the Geological Society*, **2021**, 178, jgs2020-176	2.7	4
191	Trans-lithospheric diapirism explains the presence of ultra-high pressure rocks in the European Variscides. *Communications Earth & Environment*, **2021**, 2,	6.1	9
190	Monazite geochronology in melt-percolated UHP meta-granitoids: An example from the Erzgebirge continental subduction wedge, Bohemian Massif. *Chemical Geology*, **2021**, 559, 119919	4.2	9
189	China and Mongolia-Precambrian-Paleozoic **2021**, 494-508		1
188	Oroclinal buckling and associated lithospheric-scale material flow - insights from physical modelling: Implication for the Mongol-Hingan orocline. *Tectonophysics*, **2021**, 800, 228712	3.1	3
187	From Ordovician nascent to early Permian mature arc in the southern Altaids: Insights from the Kalatage inlier in the Eastern Tianshan, NW China **2021**, 17, 647-683		4
186	The Mid-Variscan Allochthon: Keys from correlation, partial retrodeformation and plate-tectonic reconstruction to unlock the geometry of a non-cylindrical belt. *Earth-Science Reviews*, **2021**, 220, 103700	10.2	10
185	Structural, metamorphic and geochronological constraints on Palaeozoic multi-stage geodynamic evolution of the Altai accretionary wedge system (Hovd Zone, western Mongolia). *Lithos*, **2021**, 396-397, 106204	2.9	1
184	Eclogite subduction wedge intruded by arc-type magma: The earliest record of Variscan arc in the Bohemian Massif. *Gondwana Research*, **2021**, 99, 220-246	5.1	5
183	Late Paleozoic Chingiz and Saur Arc Amalgamation in West Junggar (NW China): Implications for Accretionary Tectonics in the Southern Altaids. *Tectonics*, **2020**, 39, e2019TC005781	4.3	8
182	The relative strengths of deforming mineral phase assemblages: Geometrically necessary deformation mechanisms. *Journal of Structural Geology*, **2020**, 137, 104056	3	
181	Syn-deformational melt percolation through a high-pressure orthogneiss and the exhumation of a subducted continental wedge (Orlica-Śnieżnik Dome, NE Bohemian Massif). *International Journal of Earth Sciences*, **2020**, 109, 1213-1246	2.2	1
180	Revision of the Chinese Altai-East Junggar Terrane Accretion Model Based on Geophysical and Geological Constraints. *Tectonics*, **2020**, 39, e2019TC006026	4.3	9
179	Accretionary tectonics, deep structures and metallogeny of southern Altaids. *Geological Journal*, **2020**, 55, 1613-1619	1.7	0

178	Geology of the Gobi and Mongol Altai junction enhanced by gravity analysis: a key for understanding of the Mongolian Altaides. *Journal of Maps*, **2020**, 16, 98-107	2.2	2
177	Carbonated Inheritance in the Eastern Tibetan Lithospheric Mantle: Petrological Evidences and Geodynamic Implications. *Geochemistry, Geophysics, Geosystems*, **2020**, 21, e2019GC008495	3.6	6
176	Indo-Burma passive amalgamation along the Kaladan Fault: Insights from zircon provenance in the Chittagong-Tripura Fold Belt (Bangladesh). *Bulletin of the Geological Society of America*, **2020**, 132, 1953-1968	3.9	13
175	Accretion, subduction erosion, and tectonic extrusion during late Paleozoic to Mesozoic orogenesis in NE China. *Journal of Asian Earth Sciences*, **2020**, 194, 104258	2.8	5
174	Geophysical evidences for large-scale mullion-type structures at the mantle–crust interface in southern Madagascar: implications for Neoproterozoic orogeny. *International Journal of Earth Sciences*, **2020**, 109, 1487-1500	2.2	1
173	Coupling of P–T–D histories of eclogite and metagreywacke—insights to late Ordovician–Silurian crustal folding events recorded in the Beishan Orogen (NW China). *Journal of Metamorphic Geology*, **2020**, 38, 555-591	4.4	2
172	Correlation of allochthonous terranes and major tectonostratigraphic domains between NW Iberia and the Bohemian Massif, European Variscan belt. *International Journal of Earth Sciences*, **2020**, 109, 1105-1131	2.2	30
171	Finite pattern of Barrovian metamorphic zones: interplay between thermal reequilibration and post-peak deformation during continental collision—insights from the Svratka dome (Bohemian Massif). *International Journal of Earth Sciences*, **2020**, 109, 1161-1187	2.2	6
170	Grenvillean evolution of the Beishan Orogen, NW China: Implications for development of an active Rodinian margin. *Bulletin of the Geological Society of America*, **2020**, 132, 1657-1680	3.9	3
169	Exhumation of subducted continental crust along the arc region. *Gondwana Research*, **2020**, 80, 157-187	5.1	9
168	Late Carboniferous southward migration of Tarbagatay subduction–accretion complex by slab retreat and break-off in West Junggar (NW China). *Geological Journal*, **2020**, 55, 11-30	1.7	2
167	Latest Permian–Early Triassic arc amalgamation of the Eastern Tianshan (NW China): Constraints from detrital zircons and Hf isotopes of Devonian–Triassic sediments. *Geological Journal*, **2020**, 55, 1708-1727	1.7	13
166	Chronological and geochemical constraints on the pre-variscan tectonic history of the Erzgebirge, Saxothuringian Zone. *Gondwana Research*, **2020**, 79, 27-48	5.1	13
165	Rheology of mixed deformation mechanisms and mineral phase assemblages. *Journal of Structural Geology*, **2019**, 129, 103891	3	2
164	Late Silurian to Late Triassic seamount/oceanic plateau series accretion in Jinshajiang subduction mélange, Central Tibet, SW China. *Geological Journal*, **2019**, 54, 961-977	1.7	5
163	The Effect of Melt Infiltration on Metagranitic Rocks: the Snieznik Dome, Bohemian Massif. *Journal of Petrology*, **2019**, 60, 591-618	3.9	10
162	Provenance of the Cenozoic Bengal Basin sediments: Insights from U–Pb ages and Hf isotopes of detrital zircons. *Geological Journal*, **2019**, 54, 978-990	1.7	7
161	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. *Tectonics*, **2019**, 38, 2779-2802	4.3	34

160	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). *Bulletin of the Geological Society of America*, **2019**, 131, 803-830	3.9	23
159	Structural and Geochronological Constraints on Devonian Suprasubduction Tectonic Switching and Permian Collisional Dynamics in the Chinese Altai, Central Asia. *Tectonics*, **2019**, 38, 253-280	4.3	31
158	Are the Chinese Altai Terranes the result of juxtaposition of different crustal levels during Late Devonian and Permian orogenesis?. *Gondwana Research*, **2019**, 66, 183-206	5.1	27
157	Structures, strain analyses, and 40Ar/39Ar ages of blueschist-bearing Heilongjiang Complex (NE China): Implications for the Mesozoic tectonic evolution of NE China. *Geological Journal*, **2019**, 54, 716-745	1.7	13
156	Combined Lu-Hf and Sm-Nd geochronology of the Marianské Lázně Complex: New constraints on the timing of eclogite- and granulite-facies metamorphism. *Lithos*, **2018**, 304-307, 74-94	2.9	24
155	Cambrian–Ordovician magmatism of the Ikh-Mongol Arc System exemplified by the Khantaishir Magmatic Complex (Lake Zone, south-central Mongolia). *Gondwana Research*, **2018**, 54, 122-149	5.1	42
154	The impact of the end-Ordovician glaciation on sediment routing systems: A case study from the Meseta (northern Morocco). *Gondwana Research*, **2018**, 63, 169-178	5.1	16
153	Polycyclic Palaeozoic evolution of accretionary orogenic wedge in the southern Chinese Altai: Evidence from structural relationships and U-Pb geochronology. *Lithos*, **2018**, 314-315, 400-424	2.9	29
152	Geochemistry and geochronology of Mississippian volcanic rocks from SW Mongolia: Implications for terrane subdivision and magmatic arc activity in the Trans-Altai Zone. *Journal of Asian Earth Sciences*, **2018**, 164, 322-343	2.8	5
151	Relamination Styles in Collisional Orogens. *Tectonics*, **2018**, 37, 224-250	4.3	17
150	Late Palaeozoic palaeomagnetic and tectonic constraints for amalgamation of Pangea supercontinent in the European Variscan belt. *Earth-Science Reviews*, **2018**, 177, 589-612	10.2	49
149	Mechanical anisotropies and mechanisms of mafic magma ascent in the middle continental crust: The Sondalo magmatic system (N Italy). *Bulletin of the Geological Society of America*, **2018**, 130, 331-352	3.9	5
148	Role of strain localization and melt flow on exhumation of deeply subducted continental crust. *Lithosphere*, **2018**, 10, 217-238	2.7	23
147	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. *Gondwana Research*, **2018**, 64, 163-183	5.1	16
146	Geology of the Gobi Altai and Tseel terranes in the central part of the Sagsai River Watershed, SE Mongolian Altai. *Journal of Maps*, **2017**, 13, 270-275	2.2	3
145	Computational study of deformation mechanisms and grain size evolution in granulites – Implications for the rheology of the lower crust. *Earth and Planetary Science Letters*, **2017**, 466, 91-102	5.3	4
144	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. *Tectonics*, **2017**, 36, 2305-2331	4.3	38
143	Metamorphic inheritance of Rheic passive margin evolution and its early-Variscan overprint in the Teplá-Barrandian Unit, Bohemian Massif. *Journal of Metamorphic Geology*, **2017**, 35, 327-355	4.4	23

142	Re-evaluation of polyphase kinematic and 40Ar/39Ar cooling history of Moldanubian hot nappe at the eastern margin of the Bohemian Massif. *International Journal of Earth Sciences*, **2017**, 106, 397-420	2.2	12
141	Dynamics of Saxothuringian subduction channel/wedge constrained by phase-equilibria modelling and micro-fabric analysis. *Journal of Metamorphic Geology*, **2017**, 35, 253-280	4.4	12
140	Geochemical and geochronological constraints on distinct Early-Neoproterozoic and Cambrian accretionary events along southern margin of the Baydrag Continent in western Mongolia. *Gondwana Research*, **2017**, 47, 200-227	5.1	44
139	Metamorphic P□T□t□d evolution of (U)HP metabasites from the South Tianshan accretionary complex (NW China) □mplications for rock deformation during exhumation in a subduction channel. *Gondwana Research*, **2017**, 47, 161-187	5.1	27
138	Magnetic fabric transposition in folded granite sills in Variscan orogenic wedge. *Journal of Structural Geology*, **2017**, 94, 166-183	3	9
137	Detachment folding of partially molten crust in accretionary orogens: A new magma-enhanced vertical mass and heat transfer mechanism. *Lithosphere*, **2017**, 9, 889-909	2.7	17
136	MELTING OF ACCRETIONARY WEDGE AND BUILDING MATURE CONTINENTAL CRUST: INSIGHTS FROM THE MAGMATIC EVOLUTION OF THE CHINESE ALTAI OROGEN, CENTRAL ASIA. *Geodinamika I Tektonofizika*, **2017**, 8, 481-482	0.8	2
135	European Variscan orogenic evolution as an analogue of Tibetan-Himalayan orogen: Insights from petrology and numerical modeling. *Tectonics*, **2016**, 35, 1760-1780	4.3	26
134	Anatexis of accretionary wedge, Pacific-type magmatism, and formation of vertically stratified continental crust in the Altai Orogenic Belt. *Tectonics*, **2016**, 35, 3095-3118	4.3	42
133	Tectonometamorphic evolution of an intracontinental orogeny inferred from P□□□ paths of the metapelites from the Rehamna massif (Morocco). *Journal of Metamorphic Geology*, **2016**, 34, 917-940	4.4	9
132	Microstructural evidences for mineralogical inheritance in partially molten rocks: example from the Vosges Mts. *Bulletin - Societie Geologique De France*, **2015**, 186, 131-143	2.3	3
131	Permian clockwise rotations of the Ebro and Corso-Sardinian blocks during Iberian□Armorican oroclinal bending: Preliminary paleomagnetic data from the Catalan Coastal Range (NE Spain). *Tectonophysics*, **2015**, 657, 172-186	3.1	21
130	Juxtaposition of Barrovian and migmatite domains in the Chinese Altai: a result of crustal thickening followed by doming of partially molten lower crust. *Journal of Metamorphic Geology*, **2015**, 33, 45-70	4.4	52
129	Geophysical and geochemical nature of relaminated arc-derived lower crust underneath oceanic domain in southern Mongolia. *Tectonics*, **2015**, 34, 1030-1053	4.3	23
128	P□□□ evolution of orogenic middle crust of the Roc de Frausa Massif (Eastern Pyrenees): a result of horizontal crustal flow and Carboniferous doming?. *Journal of Metamorphic Geology*, **2015**, 33, 273-294	4.4	22
127	Importance of crustal relamination in origin of the orogenic mantle peridotite□high-pressure granulite association: example from the N□h□Granulite Massif (Bohemian Massif, Czech Republic). *Journal of the Geological Society*, **2015**, 172, 479-490	2.7	31
126	Monazite Dating of Prograde and Retrograde P□□ paths in the Barrovian terrane of the Thaya window, Bohemian Massif. *Journal of Petrology*, **2015**, 56, 1007-1035	3.9	36
125	Distinct deformational history of two contrasting tectonic domains in the Chinese Altai: Their significance in understanding accretionary orogenic process. *Journal of Structural Geology*, **2015**, 73, 64-82	3	35

124	Impact of solid second phases on deformation mechanisms of naturally deformed salt rocks (Kuh-e-Namak, Dashti, Iran) and rheological stratification of the Hormuz Salt Formation. *Journal of Structural Geology*, **2015**, 74, 117-144	3	11
123	Chronology, petrogenesis and heat sources for successive Carboniferous magmatic events in the Southern Central Variscan Vosges Mts (NE France). *Journal of the Geological Society*, **2015**, 172, 87-102	2.7	27
122	P T t D record of crustal-scale horizontal flow and magma-assisted doming in the SW Mongolian Altai. *Journal of Metamorphic Geology*, **2015**, 33, 359-383	4.4	24
121	Anatomy of a diffuse cryptic suture zone: An example from the Bohemian Massif, European Variscides. *Geology*, **2014**, 42, 275-278	5	96
120	Mid-crustal shear zone formation in granitic rocks: Constraints from quantitative textural and crystallographic preferred orientations analyses. *Tectonophysics*, **2014**, 612-613, 63-80	3.1	45
119	The Variscan orogeny: extent, timescale and the formation of the European crust. *Geological Society Special Publication*, **2014**, 405, 1-6	1.7	30
118	The Moldanubian Zone in the French Massif Central, Vosges/Schwarzwald and Bohemian Massif revisited: differences and similarities. *Geological Society Special Publication*, **2014**, 405, 7-44	1.7	55
117	Tectonic evolution of the Rehamna metamorphic dome (Morocco) in the context of the Alleghanian-Variscan orogeny. *Tectonics*, **2014**, 33, 1154-1177	4.3	27
116	Late Paleozoic Mesozoic tectonic evolution of the Trans-Altai and South Gobi Zones in southern Mongolia based on structural and geochronological data. *Gondwana Research*, **2014**, 25, 309-337	5.1	55
115	Early Permian 90° clockwise rotation of the Maures Estérel Corsica Sardinia block confirmed by new palaeomagnetic data and followed by a Triassic 60° clockwise rotation. *Geological Society Special Publication*, **2014**, 405, 333-361	1.7	25
114	Geophysical constraints for terrane boundaries in southern Mongolia. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 7966-7991	3.6	25
113	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. *Journal of African Earth Sciences*, **2014**, 94, 74-85	2.2	13
112	Contrasting tectono-metamorphic evolution of orogenic lower crust in the Bohemian Massif: A numerical model. *Gondwana Research*, **2014**, 25, 509-521	5.1	28
111	Anatomy of a diffuse cryptic suture zone: An example from the Bohemian Massif, European Variscides: REPLY. *Geology*, **2014**, 42, e347-e347	5	1
110	Palaeomagnetic and structural constraints on 90° anticlockwise rotation in SW Mongolia during the Permo Triassic: Implications for Altaid oroclinal bending. Preliminary palaeomagnetic results. *Journal of Asian Earth Sciences*, **2014**, 94, 157-171	2.8	40
109	Petrogenesis and geochronology of a post-orogenic calc-alkaline magmatic association: the lov Pluton, Bohemian Massif. *Journal of Geosciences (Czech Republic)*, **2014**, 415-440	2.4	25
108	Thermal and mechanical behaviour of the orogenic middle crust during the syn- to late-orogenic evolution of the Variscan root zone, Bohemian Massif. *Journal of Metamorphic Geology*, **2014**, 32, 599-626	4.4	10
107	Time-scale of deformation and intertectonic phases revealed by P T D relationships in the orogenic middle crust of the Orlica- ie ik Dome, Polish/Czech Central Sudetes. *Journal of Metamorphic Geology*, **2014**, 32, 981-1003	4.4	17

106	Devonian–Permian magmatic pulses in the northern Vosges Mountains (NE France): result of continuous subduction of the Rhenohercynian Ocean and Avalonian passive margin. *Geological Society Special Publication*, **2014**, 405, 197-223	1.7	11
105	Palaeozoic evolution of the Variscan Vosges Mountains. *Geological Society Special Publication*, **2014**, 405, 45-75	1.7	15
104	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). *Journal of Geosciences (Czech Republic)*, **2014**, 389-413	2.4	13
103	Structural and anisotropy of magnetic susceptibility records of granitoid sheets emplacement during growth of a continental gneiss dome (Central Sudetes, European Variscan Belt). *Tectonics*, **2013**, 32, 797-820	4.3	12
102	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). *Journal of the Geological Society*, **2013**, 170, 785-804	2.7	36
101	Modified Jeffery model: Influence of particle concentration on mineral fabric in moderately concentrated suspensions. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 852-861	3.6	8
100	Ductile deformation and rheology of sub-continental mantle in a hot collisional orogeny: Example from the Bohemian Massif. *Journal of Geodynamics*, **2012**, 56-57, 108-123	2.2	12
99	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). *Tectonics*, **2012**, 31, n/a-n/a	4.3	59
98	Inverse ductile thinning via lower crustal flow and fold-induced doming in the West Carpathian Eo-Alpine collisional wedge. *Tectonics*, **2012**, 31, n/a-n/a	4.3	20
97	AMS record of brittle dilation, viscous-stretching and gravity-driven magma ascent in area of magma-rich crustal extension (Vosges Mts., NE France). *International Journal of Earth Sciences*, **2012** , 101, 803-817	2.2	14
96	A numerical model of exhumation of the orogenic lower crust in the Bohemian Massif during the Variscan orogeny. *Studia Geophysica Et Geodaetica*, **2012**, 56, 595-619	0.7	9
95	Some remarks on fabric overprints and constrictional AMS fabrics in igneous rocks. *International Journal of Earth Sciences*, **2012**, 101, 705-714	2.2	21
94	The significance of Late Devonian ophiolites in the Variscan orogen: a record from the Vosges Klippen Belt. *International Journal of Earth Sciences*, **2012**, 101, 951-972	2.2	26
93	The juxtaposition of eclogite and mid-crustal rocks in the Orlica–Śnieżnik Dome, Bohemian Massif. *Journal of Metamorphic Geology*, **2012**, 30, 213-234	4.4	30
92	Microstructural and metamorphic evolution of a high-pressure granitic orthogneiss during continental subduction (Orlica–Śnieżnik dome, Bohemian Massif). *Journal of Metamorphic Geology*, **2012**, 30, 347-376	4.4	26
91	Garnet crystal plasticity in the continental crust, new example from south Madagascar. *Journal of Metamorphic Geology*, **2012**, 30, 435-452	4.4	12
90	Crustal Melting and the Flow of Mountains. *Elements*, **2011**, 7, 253-260	3.8	113
89	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. *Journal of Metamorphic Geology*, **2011**, 29, 53-78	4.4	48

88	Heat sources and trigger mechanisms of exhumation of HP granulites in Variscan orogenic root. *Journal of Metamorphic Geology*, **2011**, 29, 79-102	4.4	101
87	Origin of felsic granulite microstructure by heterogeneous decomposition of alkali feldspar and extreme weakening of orogenic lower crust during the Variscan orogeny. *Journal of Metamorphic Geology*, **2011**, 29, 103-130	4.4	33
86	Granulites, partial melting and the rheology of the lower crust. *Journal of Metamorphic Geology*, **2011**, 29, 1-6	4.4	13
85	Prograde and retrograde metamorphic fabrics – a key for understanding burial and exhumation in orogens (Bohemian Massif). *Journal of Metamorphic Geology*, **2011**, 29, 451-472	4.4	27
84	Tectono-metamorphic history recorded in garnet porphyroblasts: insights from thermodynamic modelling and electron backscatter diffraction analysis of inclusion trails. *Journal of Metamorphic Geology*, **2011**, 29, 473-496	4.4	26
83	A geophysical model of the Variscan orogenic root (Bohemian Massif): Implications for modern collisional orogens. *Lithos*, **2011**, 124, 144-157	2.9	52
82	Indentation as an extrusion mechanism of lower crustal rocks: Insight from analogue and numerical modelling, application to the Eastern Bohemian Massif. *Lithos*, **2011**, 124, 158-168	2.9	18
81	A new concept of continental construction in the Central Asian Orogenic Belt. *Episodes*, **2011**, 34, 186-196	0.6	173
80	Lithostratigraphic and geochronological constraints on the evolution of the Central Asian Orogenic Belt in SW Mongolia: Early Paleozoic rifting followed by late Paleozoic accretion. *Numerische Mathematik*, **2010**, 310, 523-574	5.3	147
79	Noncoaxial K-feldspar and AMS subfabrics in the Land's End granite, Cornwall: Evidence of magmatic fabric decoupling during late deformation and matrix crystallization. *Journal of Geophysical Research*, **2010**, 115,		20
78	Structural constraints on the evolution of the Central Asian Orogenic Belt in SW Mongolia. *Numerische Mathematik*, **2010**, 310, 575-628	5.3	137
77	Evaluating quartz crystallographic preferred orientations and the role of deformation partitioning using EBSD and fabric analyser techniques. *Journal of Structural Geology*, **2010**, 32, 803-817	3	63
76	Early Cambrian eclogites in SW Mongolia: evidence that the Palaeo-Asian Ocean suture extends further east than expected. *Journal of Metamorphic Geology*, **2010**, 28, 915-933	4.4	59
75	Geophysical constraints and model of the Saxothuringian and Rhenohercynian subductions – magmatic arc system in NE France and SW Germany. *Bulletin - Societie Geologique De France*, **2009**, 180, 545-558	2.3	30
74	The mechanism of flow and fabric development in mechanically anisotropic trachyte lava. *Journal of Structural Geology*, **2009**, 31, 1295-1307	3	17
73	Influence of melt induced mechanical anisotropy on the magnetic fabrics and rheology of deforming migmatites, Central Vosges, France. *Journal of Structural Geology*, **2009**, 31, 1223-1237	3	25
72	An Andean type Palaeozoic convergence in the Bohemian Massif. *Comptes Rendus - Geoscience*, **2009**, 341, 266-286	1.4	200
71	Mechanics of Variscan Orogeny: A modern view on orogenic research. *Comptes Rendus - Geoscience*, **2009**, 341, 97-102	1.4	

70	Internal fabric development in complex lava domes. *Tectonophysics*, **2009**, 466, 101-113	3.1	30
69	Origin of migmatites by deformation-enhanced melt infiltration of orthogneiss: a new model based on quantitative microstructural analysis. *Journal of Metamorphic Geology*, **2008**, 26, 29-53	4.4	74
68	Vertical extrusion and horizontal channel flow of orogenic lower crust: key exhumation mechanisms in large hot orogens?. *Journal of Metamorphic Geology*, **2008**, 26, 273-297	4.4	144
67	High-density nitrogen inclusions in barite from a giant siderite vein: implications for Alpine evolution of the Variscan basement of Western Carpathians, Slovakia. *Journal of Metamorphic Geology*, **2008**, 26, 487-498	4.4	12
66	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?. *Journal of Metamorphic Geology*, **2008**, 26, 623-646	4.4	55
65	Mobilization of ore fluids during Alpine metamorphism: evidence from hydrothermal veins in the Variscan basement of Western Carpathians, Slovakia. *Geofluids*, **2008**, 8, 181-207	1.5	24
64	From orthogneiss to migmatite: Geochemical assessment of the melt infiltration model in the Gföhl Unit (Moldanubian Zone, Bohemian Massif). *Lithos*, **2008**, 102, 508-537	2.9	37
63	Evolution of microstructure and melt topology in partially molten granitic mylonite: Implications for rheology of felsic middle crust. *Journal of Geophysical Research*, **2008**, 113,		27
62	Alpine burial and heterogeneous exhumation of Variscan crust in the West Carpathians: insight from thermodynamic and argon diffusion modelling. *Journal of the Geological Society*, **2008**, 165, 479-498	2.7	22
61	Extreme ductility of feldspar aggregates—Melt-enhanced grain boundary sliding and creep failure: Rheological implications for felsic lower crust. *Journal of Geophysical Research*, **2007**, 112,		44
60	Transforming mylonitic metagranite by open-system interactions during melt flow. *Journal of Metamorphic Geology*, **2007**, 26, 071115150845001-???	4.4	7
59	Microstructural-deformation record of an orogen-parallel extension in the Vepor Unit, West Carpathians. *Journal of Structural Geology*, **2007**, 29, 1722-1743	3	47
58	The Variscan tectonic inheritance of the Upper Rhine Graben: evidence of reactivations in the Lias, Late Eocene–Oligocene up to the recent. *International Journal of Earth Sciences*, **2007**, 96, 305-325	2.2	45
57	Model of successive granite sheet emplacement in transtensional setting: Integrated microstructural and anisotropy of magnetic susceptibility study. *Tectonics*, **2007**, 26, n/a-n/a	4.3	38
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