

# Martin Racek

## List of Publications by Year in descending order

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31  
papers

964  
citations

516561

16  
h-index

434063

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

819  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.6	173
2	Heat sources and trigger mechanisms of exhumation of HP granulites in Variscan orogenic root. <i>Journal of Metamorphic Geology</i> , 2011, 29, 79-102.	1.6	122
3	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.	0.4	68
4	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.	1.6	68
5	High-Ti muscovite as a prograde relict in high pressure granulites with metamorphic Devonian zircon ages (Břstřina granulite body, Bohemian Massif): Consequences for the relamination model of subducted crust. <i>Gondwana Research</i> , 2014, 25, 630-648.	3.0	51
6	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.	1.1	46
7	Characterization and pH-dependent environmental stability of arsenic trioxide-containing copper smelter flue dust. <i>Journal of Environmental Management</i> , 2018, 209, 71-80.	3.8	45
8	Garnet&clinopyroxene intermediate granulites in the St. Leonhard massif of the Bohemian Massif: ultrahigh-temperature metamorphism at high pressure or not?. <i>Journal of Metamorphic Geology</i> , 2008, 26, 253-271.	1.6	39
9	<i>P&T record of crustal&scale horizontal flow and magma&assisted doming in the <sc>SW</sc> Mongolian Altai. <i>Journal of Metamorphic Geology</i> , 2015, 33, 359-383.	1.6	34
10	Role of strain localization and melt flow on exhumation of deeply subducted continental crust. <i>Lithosphere</i> , 2018, 10, 217-238.	0.6	33
11	Metamorphic inheritance of Rheic passive margin evolution and its early&Variscan overprint in the Tepl&Barrandian Unit, Bohemian Massif. <i>Journal of Metamorphic Geology</i> , 2017, 35, 327-355.	1.6	30
12	Rare eclogite&mafic granulite in felsic granulite in Blansk&les: precursor of intermediate granulite in the Bohemian Massif?. <i>Journal of Metamorphic Geology</i> , 2014, 32, 325-345.	1.6	25
13	Arsenic mineralogy of near-neutral soils and mining waste at the Smolotely-L&nice historical gold district, Czech Republic. <i>Applied Geochemistry</i> , 2018, 89, 243-254.	1.4	24
14	Scanning electron microscopy in analysis of urinary stones. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2019, 79, 208-217.	0.6	20
15	Decay mechanism of indoor porous opuka stone: a case study from the main altar located in the St. Vitus Cathedral, Prague (Czech Republic). <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	19
16	Intermediate granulite produced by transformation of eclogite at a felsic granulite contact, in Blansk&les, Bohemian Massif. <i>Journal of Metamorphic Geology</i> , 2014, 32, 347-370.	1.6	17
17	Re-evaluation of polyphase kinematic and <sup>40</sup> Ar/ <sup>39</sup> Ar cooling history of Moldanubian hot nappe at the eastern margin of the Bohemian Massif. <i>International Journal of Earth Sciences</i> , 2017, 106, 397-420.	0.9	17
18	Monazite geochronology in melt-percolated UHP meta-granitoids: An example from the Erzgebirge continental subduction wedge, Bohemian Massif. <i>Chemical Geology</i> , 2021, 559, 119919.	1.4	14

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19	Chemical Characterization of PM1-2.5 and its Associations with PM1, PM2.5-10 and Meteorology in Urban and Suburban Environments. <i>Aerosol and Air Quality Research</i> , 2018, 18, 1684-1697.	0.9	14
20	The Effect of Melt Infiltration on Metagranitic Rocks: the Snieznik Dome, Bohemian Massif. <i>Journal of Petrology</i> , 2019, 60, 591-618.	1.1	13
21	High-pressure crystallization vs. recrystallization origin of garnet pyroxenite-eclogite within subduction related lithologies. <i>Mineralogy and Petrology</i> , 2018, 112, 603-616.	0.4	12
22	Effects of diffusion of water and migration of melts in crustal rocks: An experimental study. <i>Chemical Geology</i> , 2020, 540, 119548.	1.4	11
23	Eocene migmatite formation and diachronous burial revealed by petrochronology in NW Himalaya, Zaskar. <i>Journal of Metamorphic Geology</i> , 2020, 38, 655-691.	1.6	11
24	Finite pattern of Barrovian metamorphic zones: interplay between thermal reequilibration and post-peak deformation during continental collision – insights from the Svatka dome (Bohemian) Tj ETQq0 0 0 rgBT,9Overload 10 Tf 50	1.4	10
25	Slawsonite-celsian-hyalophane assemblage from a picrite sill (Prague Basin, Czech Republic). <i>American Mineralogist</i> , 2014, 99, 2272-2279.	0.9	8
26	Localization effect on AMS fabric revealed by microstructural evidence across small-scale shear zone in marble. <i>Scientific Reports</i> , 2019, 9, 17483.	1.6	8
27	Metamorphic reactions and textural changes in coronitic metagabbros from the Teplá; Crystalline and Mariánské Lázně complexes, Bohemian Massif. <i>Journal of Geosciences (Czech Republic)</i> , 2016, , 193-219.	0.3	8
28	Repeated slip along a major decoupling horizon between crustal-scale nappes of the Central Western Carpathians documented in the Ochtiná tectonic mélange. <i>Tectonophysics</i> , 2015, 646, 50-64.	0.9	7
29	Javorieite, KFeCl <sub>3</sub> : a new mineral hosted by salt melt inclusions in porphyry gold systems. <i>European Journal of Mineralogy</i> , 2017, 29, 995-1004.	0.4	7
30	On the Chemical Composition and Possible Origin of Na-Cr-Rich Clinopyroxene in Silicocarbonatites from Samalpatti, Tamil Nadu, South India. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 355.	0.8	7
31	New comprehensive approach for airborne asbestos characterisation and monitoring. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30488-30496.	2.7	3