

# Matthias Konrad-Schmolke

## List of Publications by Year in descending order

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17  
papers

876  
citations

567281

15  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

843  
citing authors

#	ARTICLE	IF	CITATIONS
1	Garnet growth at high- and ultra-high pressure conditions and the effect of element fractionation on mineral modes and composition. <i>Lithos</i> , 2008, 103, 309-332.	1.4	139
2	Combined thermodynamic and rare earth element modelling of garnet growth during subduction: Examples from ultrahigh-pressure eclogite of the Western Gneiss Region, Norway. <i>Earth and Planetary Science Letters</i> , 2008, 272, 488-498.	4.4	117
3	Fluid Migration above a Subducted Slab – Constraints on Amount, Pathways and Major Element Mobility from Partially Overprinted Eclogite-facies Rocks (Sesia Zone, Western Alps). <i>Journal of Petrology</i> , 2011, 52, 457-486.	2.8	84
4	Combined thermodynamic and geochemical modeling in metamorphic geology: Boron as tracer of fluid–rock interaction. <i>Lithos</i> , 2014, 208-209, 393-414.	1.4	70
5	Thermodynamic modelling of diffusion-controlled garnet growth. <i>Contributions To Mineralogy and Petrology</i> , 2005, 149, 181-195.	3.1	68
6	The Physico-Chemical Properties of a Subducted Slab from Garnet Zonation Patterns (Sesia Zone). <i>Journal of Metamorphic Geology</i> , 2000, 18, 101-110.	2.8	60
7	Effects of fluid–rock interaction on $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology in high-pressure rocks (Sesia-Lanzo). <i>Journal of Petrology</i> , 2001, 42, 107-114.	3.9	58
8	Compositional re-equilibration of garnet: the importance of sub-grain boundaries. <i>European Journal of Mineralogy</i> , 2007, 19, 431-438.	1.3	53
9	Mineral dissolution and reprecipitation mediated by an amorphous phase. <i>Nature Communications</i> , 2018, 9, 1637.	12.8	45
10	Multi-stage reaction history in different eclogite types from the Pakistan Himalaya and implications for exhumation processes. <i>Lithos</i> , 2010, 114, 70-85.	1.4	44
11	Slab mantle dehydrates beneath Kamchatka – Yet recycles water into the deep mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2987-3007.	2.5	31
12	Fluid migration above a subducted slab – Thermodynamic and trace element modelling of fluid–rock interaction in partially overprinted eclogite-facies rocks (Sesia Zone, Western Alps). <i>Earth and Planetary Science Letters</i> , 2011, 311, 287-298.	4.4	28
13	High-T, Low-P Formation of Rare Olivine-bearing Symplectites in Variscan Eclogite. <i>Journal of Petrology</i> , 2013, 54, 1375-1398.	2.8	23
14	Noble gases recycled into the mantle through cold subduction zones. <i>Earth and Planetary Science Letters</i> , 2017, 471, 65-73.	4.4	23
15	Boron isotope record of peak metamorphic ultrahigh-pressure and retrograde fluid–rock interaction in white mica (Lago di Cignana, Western Alps). <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 20.	3.1	20
16	Retrograde metasomatic effects on phase assemblages in an interlayered blueschist–greenschist sequence (Coastal Cordillera, Chile). <i>Lithos</i> , 2015, 216-217, 31-47.	1.4	12
17	Adding complexity to the garnet supergroup: monteneveite, $\text{Ca}_{3}\text{Sb}_{5}\text{Fe}_{2}(\text{Fe}_{3}\text{Sb}_{2})_{2}\text{Si}_{2}\text{O}_{22}$ , a new mineral from the Monteneve mine, Bolzano Province, Italy. <i>European Journal of Mineralogy</i> , 2020, 32, 77-87.	1.3	1