

Pierre Vonlanthen

List of Publications by Year in descending order

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17
papers

565
citations

759233

12
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1022
citing authors

#	ARTICLE	IF	CITATIONS
1	On the characterization of size and shape of irregular particles. Powder Technology, 2015, 270, 141-153.	4.2	214
2	How do olivines record magmatic events? Insights from major and trace element zoning. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	53
3	Megacrystic zircon with planar fractures in miaskite-type nepheline pegmatites formed at high pressures in the lower crust (Ivrea Zone, southern Alps, Switzerland). American Mineralogist, 2015, 100, 83-94.	1.9	45
4	Recrystallization rims in zircon (Valle d'Arbedo, Switzerland): An integrated cathodoluminescence, LA-ICP-MS, SHRIMP, and TEM study. American Mineralogist, 2012, 97, 369-377.	1.9	39
5	High-resolution 3D analyses of the shape and internal constituents of small volcanic ash particles: The contribution of SEM micro-computed tomography (SEM micro-CT). Journal of Volcanology and Geothermal Research, 2015, 293, 1-12.	2.1	31
6	Microstructural, chemical and textural records during growth of snowball garnet. Journal of Metamorphic Geology, 2009, 27, 423-437.	3.4	27
7	CSL grain boundary distribution in alumina and zirconia ceramics. Ceramics International, 2008, 34, 1459-1472.	4.8	26
8	Eifel maars: Quantitative shape characterization of juvenile ash particles (Eifel Volcanic Field, Germany). Journal of Volcanology and Geothermal Research, 2015, 293, 1-12.	2.1	25
9	Seismic properties of the upper mantle beneath Lanzarote (Canary Islands): Model predictions based on texture measurements by EBSD. Tectonophysics, 2006, 428, 65-85.	2.2	21
10	An observational and thermodynamic investigation of carbonate partial melting. Earth and Planetary Science Letters, 2015, 409, 147-156.	4.4	20
11	Growth mechanism of snowball garnets from the Lukmanier Pass area (Central Alps, Switzerland): a combined CT/EPMA/EBSD study. Terra Nova, 2007, 19, 240-244.	2.1	15
12	Intracrystalline Reaction-Induced Cracking in Olivine Evidenced by Hydration and Carbonation Experiments. Minerals (Basel, Switzerland), 2018, 8, 412.	2.0	14
13	Hydration of a Mantle Shear Zone Beyond Serpentine Stability: A Possible Link to Microseismicity Along Ultraslow Spreading Ridges?. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019509.	3.4	11
14	Multi-scale crystallographic ordering in the cold-water coral Lophelia pertusa. Scientific Reports, 2017, 7, 8987.	3.3	7
15	The Morcles microgranite (Aiguilles Rouges, Swiss Alps): geochronological and geochemical evidences for a common origin with the Vallorcine intrusion. Swiss Journal of Geosciences, 2018, 111, 35-49.	1.2	6
16	Taking the pulse of volcanic eruptions using plagioclase glomerocrysts. Earth and Planetary Science Letters, 2020, 552, 116596.	4.4	6
17	Life and reproduction of titanosaurs: Isotopic hallmark of mid-palaeolatitide eggshells and its significance for body temperature, diet, and nesting. Chemical Geology, 2021, 583, 120452.	3.3	5