

# Daniele Castelli

## List of Publications by Year in descending order

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18  
papers

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citations

567281

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#	ARTICLE	IF	CITATIONS
1	Prograde P-T Evolution of a Lawsonite Eclogite from the Monviso Meta-ophiolite (Western Alps): Dehydration and Redox Reactions during Subduction of Oceanic FeTi-oxide Gabbro. <i>Journal of Petrology</i> , 2010, 51, 2489-2514.	2.8	133
2	Comparison of $^{40}\text{Ar}/^{39}\text{Ar}$ and $\text{Rb}/\text{Sr}$ Data on Phengites from the UHP Brossasco-Isasca Unit (Dora Maira Massif, Western Alps). <i>Contributions to Mineralogy and Petrology</i> , 2007, 159, 1-14.	2.8	79
3	Pedogenetic action of the lichens <i>Lecidea atrobrunnea</i> , <i>Rhizocarpon geographicum</i> gr. and <i>Sporastatia testudinea</i> on serpentinized ultramafic rocks in an alpine environment. <i>International Biodeterioration and Biodegradation</i> , 2005, 56, 17-27.	3.9	59
4	Chrysotile asbestos is progressively converted into a non-fibrous amorphous material by the chelating action of lichen metabolites. <i>Journal of Environmental Monitoring</i> , 2005, 7, 764.	2.1	51
5	Jadeitite from the Monviso meta-ophiolite, western Alps: occurrence and genesis. <i>European Journal of Mineralogy</i> , 2012, 24, 333-343.	1.3	50
6	A Biomimetic Approach to the Chemical Inactivation of Chrysotile Fibres by Lichen Metabolites. <i>Chemistry - A European Journal</i> , 2007, 13, 4081-4093.	3.3	42
7	Metamorphic $\text{CO}_2$ Production in Collisional Orogens: Petrological Constraints from Phase Diagram Modeling of Himalayan, Scapolite-bearing, Calc-silicate Rocks in the NKC(F)MAS(T)-HC system. <i>Journal of Petrology</i> , 2017, 58, 53-83.	2.8	37
8	Exhumation History of the UHPM Brossasco-Isasca Unit, Dora-Maira Massif, as Inferred from a Phengite-Amphibole Eclogite. <i>International Geology Review</i> , 2007, 49, 142-168.	2.1	36
9	Metamorphic $\text{CO}_2$ production from calc-silicate rocks via garnet-forming reactions in the CFAS-H <sub>2</sub> O-CO <sub>2</sub> system. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 1655-1675.	3.1	35
10	Dissolving dolomite in a stable UHP mineral assemblage: Evidence from Cal-Dol marbles of the Dora-Maira Massif (Italian Western Alps). <i>American Mineralogist</i> , 2017, 102, 42-60.	1.9	33
11	Role of Late Jurassic intra-oceanic structural inheritance in the Alpine tectonic evolution of the Monviso meta-ophiolite Complex (Western Alps). <i>Geological Magazine</i> , 2018, 155, 233-249.	1.5	32
12	Iron oxidation state in garnet from a subduction setting: a micro-XANES and electron microprobe ( $\mu\text{-XRF}$ method) comparative study. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1725.	3.0	27
13	SEM/TEM-AEM characterization of micro- and nano-scale zonation in phengite from a UHP Dora-Maira marble: petrologic significance of armoured Si-rich domains. <i>European Journal of Mineralogy</i> , 2005, 17, 453-464.	1.3	21
14	Iron oxidation state variations in zoned micro-crystals measured using micro-XANES. <i>Catalysis Today</i> , 2014, 229, 72-79.	4.4	17
15	Lichen deterioration of asbestos and asbestiform minerals of serpentinite rocks in Western Alps. <i>International Biodeterioration and Biodegradation</i> , 2013, 84, 342-350.	3.9	15
16	HP tectono-metamorphic evolution of the Internal Piedmont Zone in Susa Valley (Western Alps): New petrologic insight from garnet+chloritoid-bearing micaschists and Fe-Ti metagabbro. <i>Journal of Metamorphic Geology</i> , 2021, 39, 391-416.	3.4	11
17	The Monviso Massif and the Cottian Alps as Symbols of the Alpine Chain and Geological Heritage in Piemonte, Italy. <i>Geoheritage</i> , 2015, 7, 65-84.	2.8	9
18	A possible new UHP unit in the Western Alps as revealed by ancient Roman quern-stones from Costigliole Saluzzo, Italy. <i>European Journal of Mineralogy</i> , 2016, 28, 1215-1232.	1.3	3