

# Piera Benna

## List of Publications by Year in descending order

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28  
papers

375  
citations

840776

11  
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839539

18  
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times ranked

364  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metamorphic zonation, migmatization and leucogranites along the Everest transect of Eastern Nepal and Tibet: record of an exhumation history. Geological Society Special Publication, 1993, 74, 323-340.	1.3	58
2	The structure of ordered and disordered lead feldspar ( $\text{PbAl}_2\text{Si}_2\text{O}_8$ ). American Mineralogist, 1996, 81, 1337-1343.	1.9	26
3	Average structure and M2 site configurations in C2/c clinopyroxenes along the Di-En join. Contributions To Mineralogy and Petrology, 1989, 103, 452-456.	3.1	25
4	Cell parameters of thermally treated anorthite. Al,Si configurations in the average structures of the high temperature calcic plagioclases. Contributions To Mineralogy and Petrology, 1985, 90, 381-385.	3.1	20
5	Incomplete blueschist re-crystallization in high-grade metamorphics from the Sesia-Lanzo unit (Vasario-Sparone subunit, Western Alps): A case history of metastability. Lithos, 1988, 21, 129-142.	1.4	20
6	High-pressure metamorphism in the High Himalayan Crystallines of the Stak valley, northeastern Nanga Parbat-Haramosh syntaxis, Pakistan Himalaya. Geological Society Special Publication, 1993, 74, 161-172.	1.3	20
7	Structural variations induced by thermal treatment in lead feldspar ( $\text{PbAl}_2\text{Si}_2\text{O}_8$ ). American Mineralogist, 1998, 83, 159-166.	1.9	20
8	Al-Si ordering in Sr-feldspar $\text{SrAl}_2\text{Si}_2\text{O}_8$ : IR, TEM and single-crystal XRD evidences. Physics and Chemistry of Minerals, 1995, 22, 343.	0.8	16
9	High-pressure phase transitions in $\text{Ca}_{0.2}\text{Sr}_{0.8}\text{Al}_2\text{Si}_2\text{O}_8$ feldspar. American Mineralogist, 2004, 89, 1474-1479.	1.9	14
10	High-pressure structural evolution and equation of state of analbite. American Mineralogist, 2011, 96, 383-392.	1.9	14
11	I <sub>2</sub> /c phase transition in alkaline-earth feldspars along the $\text{CaAl}_2\text{Si}_2\text{O}_8$ - $\text{SrAl}_2\text{Si}_2\text{O}_8$ join: Thermodynamic behaviour. Physics and Chemistry of Minerals, 1993, 20, 221.	0.8	13
12	Structural modifications in clinopyroxene solid solutions: The Ca-Mg and Ca-Sr substitutions in the diopside structure. Mineralogy and Petrology, 1987, 36, 71-84.	1.1	12
13	Ca/Sr substitution in clinopyroxenes along the join $\text{CaMgSi}_2\text{O}_6$ - $\text{SrMgSi}_2\text{O}_6$ . Tschermaks Mineralogische Und Petrographische Mitteilungen, 1982, 30, 37-46.	0.3	10
14	Crystal structure of $\text{Di}_{50}\text{CaTs}_{50}$ synthetic clinopyroxene ( $\text{CaMg}_{0.5}\text{AlSi}_{1.5}\text{O}_6$ ). Crystal chemistry along the Di-CaTs join. Mineralogy and Petrology, 1988, 38, 189-200.	1.1	10
15	High-temperature in situ structural investigation on lead feldspar. American Mineralogist, 1999, 84, 120-129.	1.9	10
16	The effects of P-T changes on intermolecular interactions in crystal structure of iodoform. Journal of Molecular Structure, 2013, 1041, 106-112.	3.6	10
17	High pressure behaviour of lead feldspar ( $\text{PbAl}_2\text{Si}_2\text{O}_8$ ). Physics and Chemistry of Minerals, 1999, 26, 367-374.	0.8	9
18	Single-crystal in situ high-temperature structural investigation of the I <sub>2</sub> /c phase transition in $\text{Ca}_{0.2}\text{Sr}_{0.8}\text{Al}_2\text{Si}_2\text{O}_8$ feldspar. American Mineralogist, 2003, 88, 1532-1541.	1.9	9

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19	Thermodynamic behaviour of the high-temperature $\text{CaAl}_2\text{Si}_2\text{O}_8$ - $\text{SrAl}_2\text{Si}_2\text{O}_8$ join. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 314-321.	0.8	9
20	The high-pressure structural configurations of $\text{Ca}_{0.2}\text{Sr}_{0.8}\text{Al}_2\text{Si}_2\text{O}_8$ feldspar: The $I2/c$ and $I2/c-P2_1/c$ phase transitions. <i>American Mineralogist</i> , 2007, 92, 1190-1199.	1.9	9
21	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
22	X-ray determination and equilibrium composition of clinopyroxenes in the system $\text{CaO-MgO-Al}_2\text{O}_3\text{-SiO}_2$ . <i>Contributions To Mineralogy and Petrology</i> , 1982, 78, 272-278.	3.1	6
23	The effect of type-B carbonate content on the elasticity of fluorapatite. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 789-800.	0.8	6
24	High-pressure structural configuration and phase transition in celsian, $\text{BaAl}_2\text{Si}_2\text{O}_8$ . <i>Physics and Chemistry of Minerals</i> , 2017, 44, 181-192.	0.8	5
25	Crystal engineering of auophilic supramolecular architectures and coordination polymers based on butterfly-like copper-dicyanoaurate complexes: vapochromism, $P \rightarrow T$ behaviour and multi-metallic cocrystal formation. <i>CrystEngComm</i> , 2022, 24, 2336-2348.	2.6	5
26	Low-pressure ferroelastic phase transition in rutile-type $\text{AX}_2$ minerals: cassiterite ( $\text{SnO}_2$ ), pyrolusite ( $\text{MnO}_2$ ) and sellaite ( $\text{MgF}_2$ ). <i>Physics and Chemistry of Minerals</i> , 2019, 46, 987-1002.	0.8	4
27	High-temperature ramsdellite-pyrolusite transformation kinetics. <i>Physics and Chemistry of Minerals</i> , 2021, 48, 1.	0.8	4
28	High-pressure equation of state and phase transition in $\text{PbAl}_2\text{Si}_2\text{O}_8$ feldspar. <i>American Mineralogist</i> , 2015, 100, 1568-1577.	1.9	2