

Piera Benna

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Crystal engineering of aurophilic 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
2	High-temperature ramsdellite \rightarrow pyrolusite transformation kinetics. <i>Physics and Chemistry of Minerals</i> , 2021, 48, 1.	0.8	4
3	Low-pressure ferroelastic phase transition in rutile-type AX_2 minerals: cassiterite (SnO_2), pyrolusite (MnO_2) and sellaite (MgF_2). <i>Physics and Chemistry of Minerals</i> , 2019, 46, 987-1002.	0.8	4
4	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
5	High-pressure structural configuration and phase transition in celsian, $BaAl_2Si_2O_8$. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 181-192.	0.8	5
6	High-pressure equation of state and phase transition in $PbAl_2Si_2O_8$ feldspar. <i>American Mineralogist</i> , 2015, 100, 1568-1577.	1.9	2
7	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
8	The effects of $P \rightarrow T$ changes on intermolecular interactions in crystal structure of iodoform. <i>Journal of Molecular Structure</i> , 2013, 1041, 106-112.	3.6	10
9	High-pressure structural evolution and equation of state of analbite. <i>American Mineralogist</i> , 2011, 96, 383-392.	1.9	14
10	The high-pressure structural configurations of $Ca_{0.2}Sr_{0.8}Al_2Si_2O_8$ feldspar: The I/c and $I/c \rightarrow P2_1/c$ phase transitions. <i>American Mineralogist</i> , 2007, 92, 1190-1199.	1.9	9
11	Thermodynamic behaviour of the high-temperature $1 \rightarrow 1$ phase transition along the $CaAl_2Si_2O_8 \rightarrow SrAl_2Si_2O_8$ join. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 314-321.	0.8	9
12	High-pressure phase transitions in $Ca_{0.2}Sr_{0.8}Al_2Si_2O_8$ feldspar. <i>American Mineralogist</i> , 2004, 89, 1474-1479.	1.9	14
13	Single-crystal in situ high-temperature structural investigation of the I/c phase transition in $Ca_{0.2}Sr_{0.8}Al_2Si_2O_8$ feldspar. <i>American Mineralogist</i> , 2003, 88, 1532-1541.	1.9	9
14	High-temperature in situ structural investigation on lead feldspar. <i>American Mineralogist</i> , 1999, 84, 120-129.	1.9	10
15	High pressure behaviour of lead feldspar ($PbAl_2Si_2O_8$). <i>Physics and Chemistry of Minerals</i> , 1999, 26, 367-374.	0.8	9
16	Structural variations induced by thermal treatment in lead feldspar ($PbAl_2Si_2O_8$). <i>American Mineralogist</i> , 1998, 83, 159-166.	1.9	20
17	The structure of ordered and disordered lead feldspar ($PbAl_2Si_2O_8$). <i>American Mineralogist</i> , 1996, 81, 1337-1343.	1.9	26
18	Al-Si ordering in Sr-feldspar $SrAl_2Si_2O_8$: IR, TEM and single-crystal XRD evidences. <i>Physics and Chemistry of Minerals</i> , 1995, 22, 343.	0.8	16

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19	I ² -I ² /c phase transition in alkaline-earth feldspars along the CaAl ₂ Si ₂ O ₈ -SrAl ₂ Si ₂ O ₈ join: Thermodynamic behaviour. <i>Physics and Chemistry of Minerals</i> , 1993, 20, 221.	0.8	13
20	High-pressure metamorphism in the High Himalayan Crystallines of the Stak valley, northeastern Nanga Parbat-Haramosh syntaxis, Pakistan Himalaya. <i>Geological Society Special Publication</i> , 1993, 74, 161-172.	1.3	20
21	Metamorphic zonation, migmatization and leucogranites along the Everest transect of Eastern Nepal and Tibet: record of an exhumation history. <i>Geological Society Special Publication</i> , 1993, 74, 323-340.	1.3	58
22	Average structure and M2 site configurations in C2/c clinopyroxenes along the Di-En join. <i>Contributions To Mineralogy and Petrology</i> , 1989, 103, 452-456.	3.1	25
23	Crystal structure of Di ₅₀ CaTs ₅₀ synthetic clinopyroxene (CaMg _{0.50} AlSi _{1.50} O ₆). Crystal chemistry along the Di-CaTs join. <i>Mineralogy and Petrology</i> , 1988, 38, 189-200.	1.1	10
24	Incomplete blueschist re-crytallization in high-grade metamorphics from the Sesia-Lanzo unit (Vasario-Sparone subunit, Western Alps): A case history of metastability. <i>Lithos</i> , 1988, 21, 129-142.	1.4	20
25	Structural modifications in clinopyroxene solid solutions: The Ca-Mg and Ca-Sr substitutions in the diopside structure. <i>Mineralogy and Petrology</i> , 1987, 36, 71-84.	1.1	12
26	Cell parameters of thermally treated anorthite. Al,Si configurations in the average structures of the high temperature calcic plagioclases. <i>Contributions To Mineralogy and Petrology</i> , 1985, 90, 381-385.	3.1	20
27	Ca?Sr substitution in clinopyroxenes along the join CaMgSi ₂ O ₆ ?SrMgSi ₂ O ₆ . <i>TMPM Tschermaks Mineralogische Und Petrographische Mitteilungen</i> , 1982, 30, 37-46.	0.3	10
28	X-ray determination and equilibrium composition of clinopyroxenes in the system CaO-MgO-Al ₂ O ₃ -SiO ₂ . <i>Contributions To Mineralogy and Petrology</i> , 1982, 78, 272-278.	3.1	6