

Nicola Rotiroti

List of Publications by Year in descending order

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40
papers

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citations

687363

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	A Multi-Methodological Investigation of Natural and Synthetic Red Beryl Gemstones. Minerals (Basel,) Tj ETQq1 1 0,784314 rgBT /Over	2.0	0
2	Wardite (NaAl ₃ (PO ₄) ₂ (OH) ₄ ·2H ₂ O) at High Pressure: Compressional Behavior and Structure Evolution. Minerals (Basel, Switzerland), 2020, 10, 877.	2.0	0
3	Structural Study of Nano-Sized Gahnite (ZnAl ₂ O ₄): From the Average to the Local Scale. Nanomaterials, 2020, 10, 824.	4.1	6
4	H-bonding in lazulite: a single-crystal neutron diffraction study at 298 and 3 Å. Physics and Chemistry of Minerals, 2019, 46, 449-458.	0.8	0
5	The spessartine "almandine garnet from Val Codera pegmatite, Central Alps, Italy: a new insight on the crystallochemistry and a 3D image analysis of its inclusions. Rendiconti Lincei, 2018, 29, 699-707.	2.2	0
6	On the labyrinthine world of arsenites: a single-crystal neutron and X-ray diffraction study of cafarsite. Physics and Chemistry of Minerals, 2018, 45, 819-829.	0.8	4
7	Local distortion and octahedral tilting in BaCe ₂ Ti ₂ O ₁₀ perovskite. Journal of Applied Crystallography, 2018, 51, 1283-1294.	4.5	7
8	Investigating distribution patterns of airborne magnetic grains trapped in tree barks in Milan, Italy: insights for pollution mitigation strategies. Geophysical Journal International, 2017, 210, 989-1000.	2.4	9
9	On the Crystal-Chemistry of Bjarebyite, BaMn ²⁺ ₂ Al ₂ (PO ₄) ₃ (OH) ₃ , From the Palermo #1 Pegmatite, Grafton County, New Hampshire, Usa. Canadian Mineralogist, 2016, 54, 1033-1041.	1.0	2
10	A multi-methodological study of the (K,Ca)-variety of the zeolite merlinoite. Mineralogical Magazine, 2015, 79, 1755-1767.	1.4	6
11	A combined synchrotron radiation micro computed tomography and micro X-ray diffraction study on deleterious alkali-silica reaction. Journal of Materials Science, 2015, 50, 7985-7997.	3.7	15
12	New data on Cu-exchanged phillipsite: a multi-methodological study. Physics and Chemistry of Minerals, 2015, 42, 723-733.	0.8	8
13	The high-pressure behavior of balliranoite: a cancrinite-group mineral. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, .	0.8	3
14	The role of local structural distortions in the stabilisation of undoped nanocrystalline tetragonal zirconia. Materials Chemistry and Physics, 2014, 147, 395-402.	4.0	6
15	Mechanisms of Zinc Oxide Nanocrystalline Thin Film Formation by Thermal Degradation of Metal-Loaded Hydrogels. Journal of Physical Chemistry C, 2013, 117, 25108-25117.	3.1	11
16	Characterization of lead sorption by the natural and Fe(III)-modified zeolite. Applied Surface Science, 2013, 283, 764-774.	6.1	121
17	High-pressure study of a natural cancrinite. American Mineralogist, 2012, 97, 872-882.	1.9	19
18	The high-pressure behavior of orthorhombic amphiboles. American Mineralogist, 2011, 96, 623-630.	1.9	10

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19	Green andradite stones: gemmological and mineralogical characterisation. <i>European Journal of Mineralogy</i> , 2011, 23, 91-100.	1.3	18
20	On the crystal chemistry and elastic behavior of a phlogopite 3T. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 655-664.	0.8	12
21	Phase stability, elastic behavior, and pressure-induced structural evolution of kalsilite: A ceramic material and high-T/high-P mineral. <i>American Mineralogist</i> , 2011, 96, 1363-1372.	1.9	16
22	Stability at high pressure, elastic behavior and pressure-induced structural evolution of Al_5BO_9 , a mullite-type ceramic material. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 227-236.	0.8	34
23	Structural evolution of a 2M 1 phengite mica up to 11 GPa: an in situ single-crystal X-ray diffraction study. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 581-591.	0.8	23
24	Structure alterations in microporous $(\text{Mg,Fe})_2\text{Al}_4\text{Si}_5\text{O}_{18}$ crystals induced by energetic heavy-ion irradiation. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2372-2381.	2.9	10
25	The Devitrification of Artificial Fibers: A Multimethodic Approach to Quantify the Temperature-Time Onset of Cancerogenic Crystalline Phases. <i>Annals of Occupational Hygiene</i> , 2010, 54, 893-903.	1.9	6
26	Crystal structure and low-temperature behavior of "disordered" thomsonite. <i>American Mineralogist</i> , 2010, 95, 495-502.	1.9	11
27	Reinvestigation of the crystal structure of the zeolite gobbinsite: A single-crystal X-ray diffraction study. <i>American Mineralogist</i> , 2010, 95, 481-486.	1.9	11
28	New insights into the crystal structure and crystal chemistry of the zeolite phillipsite. <i>American Mineralogist</i> , 2009, 94, 190-199.	1.9	34
29	Elastic behavior and phase stability of pollucite, a potential host for nuclear waste. <i>American Mineralogist</i> , 2009, 94, 1137-1143.	1.9	50
30	Structural evolution of a 3T phengite mica up to 10 GPa: an in-situ single-crystal X-ray diffraction study. <i>Zeitschrift für Kristallographie</i> , 2009, 224, 302-310.	1.1	21
31	Stability at high-pressure, elastic behaviour and pressure-induced structural evolution of $\text{CsAlSi}_5\text{O}_{12}$, a potential host for nuclear waste. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 521-533.	0.8	28
32	Leucite at high pressure: Elastic behavior, phase stability, and petrological implications. <i>American Mineralogist</i> , 2008, 93, 1588-1596.	1.9	35
33	Structural anomalies at the ferromagnetic transition and precursor effects in the vicinity of the structural phase transition of $\text{La}_{0.815}\text{Ba}_{0.185}\text{MnO}_3$. <i>Physical Review B</i> , 2006, 74, .	3.2	2
34	Twinning and structure of $\text{Eu}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, i3-i5.	0.4	3
35	Monoclinic $\text{La}_{1-x}\text{Ba}_x\text{MnO}_3$ ($x = 0.185$) at 160 K. <i>ChemInform</i> , 2005, 36, no.	0.0	0
36	Monoclinic $\text{La}_{1-x}\text{Ba}_x\text{MnO}_3$ ($x = 0.185$) at 160 K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, i83-i85.	0.4	2

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37	Perovskite-related Ca(Nb,Ti)O ₃ .33. Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, .	0.8	6
38	Gramaccioliite-(Y), a new mineral of the crichtonite group from Stura Valley, Piedmont, Italy. European Journal of Mineralogy, 2004, 16, 171-175.	1.3	21
39	The crystal structure of molybdomenite, PbSeO ₃ . Neues Jahrbuch FÃ¼r Mineralogie, Monatshefte, 2003, 2003, 145-152.	0.3	9
40	Crystal chemistry and miscibility of chernovite-(Y), xenotime-(Y), gasparite-(Ce) and monazite-(Ce) from Mt. Cervandone, Western Alps, Italy. Mineralogical Magazine, 0, , 1-18.	1.4	1