

Gennaro Ventruti

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mechanochemical degradation of pentachlorophenol onto birnessite. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 303-310.	12.4	37
2	Ti-rich phlogopite from Mt. Vulture (Potenza, Italy) investigated by a multianalytical approach: substitutional mechanisms and orientation of the OH dipoles. <i>European Journal of Mineralogy</i> , 2006, 18, 379-391.	1.3	36
3	Fluorophlogopite from Biancavilla (Mt. Etna, Sicily, Italy): Crystal structure and crystal chemistry of a new F-dominant analog of phlogopite. <i>American Mineralogist</i> , 2007, 92, 1601-1609.	1.9	31
4	Characterization of magnetite nanoparticles synthesized from Fe(II)/nitrate solutions for arsenic removal from water. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102986.	6.7	30
5	Thermal behavior of a Ti-rich phlogopite from Mt. Vulture (Potenza, Italy): An in situ X-ray single-crystal diffraction study. <i>American Mineralogist</i> , 2008, 93, 632-643.	1.9	29
6	Red micas from basal ignimbrites of Mt. Vulture (Italy): interlayer content appraisal by a multi-methodic approach. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 163-174.	0.8	22
7	The order-disorder character of FeOHSO ₄ obtained from the thermal decomposition of metahohmannite, Fe ₃ +2(H ₂ O) ₄ [O(SO ₄) ₂]. <i>American Mineralogist</i> , 2005, 90, 679-686.	1.9	21
8	Crystal chemistry and light elements analysis of Ti-rich garnets. <i>American Mineralogist</i> , 2016, 101, 371-384.	1.9	20
9	Kinetics of Fe-oxidation/deprotonation process in Fe-rich phlogopite under isothermal conditions. <i>American Mineralogist</i> , 2010, 95, 1458-1466.	1.9	17
10	Metasideronatrite: Crystal structure and its relation with sideronatrite. <i>American Mineralogist</i> , 2010, 95, 329-334.	1.9	16
11	Mechanochemical transformation of an organic ligand on mineral surfaces: The efficiency of birnessite in catechol degradation. <i>Journal of Hazardous Materials</i> , 2012, 201-202, 148-154.	12.4	15
12	Trioctahedral micas-1M from Mt. Vulture (Italy): Structural disorder and crystal chemistry. <i>European Journal of Mineralogy</i> , 2001, 13, 1057-1069.	1.3	14
13	The structure of metahohmannite, Fe ₂ + ³⁺ [O(SO ₄) ₂] ₂ ·4H ₂ O, by in situ synchrotron powder diffraction. <i>American Mineralogist</i> , 2004, 89, 365-370.	1.9	14
14	Fluorophlogopite from Piano delle Concazze (Mt. Etna, Italy): Crystal chemistry and implications for the crystallization conditions. <i>American Mineralogist</i> , 2013, 98, 1017-1025.	1.9	14
15	Geothermal Fluid Variation Recorded by Banded Ca-Carbonate Veins in a Fault-Related, Fissure Ridge-Type Travertine Depositional System (Iano, southern Tuscany, Italy). <i>Geofluids</i> , 2021, 2021, 1-28.	0.7	14
16	Hydrogen bond system and vibrational spectroscopy of the iron sulfate fibroferrite, Fe(OH)SO ₄ ·5H ₂ O. <i>European Journal of Mineralogy</i> , 2016, 28, 943-952.	1.3	13
17	High-temperature treatment, hydrogen behaviour and cation partitioning of a FeTi bearing volcanic phlogopite by in situ neutron powder diffraction and FTIR spectroscopy. <i>European Journal of Mineralogy</i> , 2009, 21, 385-396.	1.3	12
18	The thermal stability of sideronatrite and its decomposition products in the system Na ₂ O-Fe ₂ O ₃ -SO ₂ -H ₂ O. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 659-670.	0.8	10

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19	High-temperature study of basic ferric sulfate, FeOHSO ₄ . <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	10
20	In situ high-temperature XRD and FTIR investigation of hohmannite, a water-rich Fe-sulfate, and its decomposition products. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 1793-1802.	3.6	9
21	Ni-serpentine nanoflakes in the garnierite ore from Campello Monti (Strona Valley, Italy): N ² pouite with some pecoraite outlines and the processing of Ni-containing ore bodies. <i>American Mineralogist</i> , 2018, 103, 629-644.	1.9	8
22	A structural study of cyanotrichite from Dachang by conventional and automated electron diffraction. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 651-661.	0.8	7
23	The enigmatic ascent of Ca-sulphate rocks from a deep dense source layer: evidences of hydration diapirism in the Lesina Marina area (Apulia, southern Italy). <i>International Journal of Earth Sciences</i> , 2019, 108, 1897-1912.	1.8	7
24	Structure Refinement and Vibrational Spectroscopy of Vauxite From the Type Locality, Llallagua (Bolivia). <i>Canadian Mineralogist</i> , 2016, 54, 163-176.	1.0	6
25	Crystal-chemistry and vibrational spectroscopy of ferrinaitrite, Na ₃ [Fe(SO ₄) ₃]·3H ₂ O, and its high-temperature decomposition. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 119-131.	0.8	6
26	Crystal structure of Na ₃ Fe(SO ₄) ₃ : A high-temperature product (400 °C) of sideronaitrite [Na ₂ Fe(SO ₄) ₂ OH·3H ₂ O]. <i>American Mineralogist</i> , 2011, 96, 1107-1111.	1.9	5
27	Calcium tartrate esahydrate, CaC ₄ H ₄ O ₆ ·6H ₂ O: a structural and spectroscopic study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 68-73.	1.1	4
28	Crystal Chemistry of Barian Titanian Phlogopite from a Lamprophyre of the Gargano Promontory (Apulia, Southern Italy). <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 766.	2.0	4
29	In situ high-temperature X-ray diffraction and spectroscopic study of fibroferrite, FeOH(SO ₄)·5H ₂ O. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 587-595.	0.8	3
30	New insights into the crystal chemistry of sauconite (Zn-smectite) from the Skorpion zinc deposit (Namibia) via a multi-methodological approach. <i>American Mineralogist</i> , 2021, 106, 290-300.	1.9	3
31	X-ray Structure Refinement and Vibrational Spectroscopy of Metavauxite FeAl ₂ (PO ₄) ₂ (OH) ₂ ·8H ₂ O. <i>Crystals</i> , 2019, 9, 297.	2.2	2
32	In Situ High-Temperature X-ray Powder Diffraction and Infrared Spectroscopic Study of Melanterite, FeSO ₄ ·7H ₂ O. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 392.	2.0	2