

Serena Chiara Tarantino

List of Publications by Year in descending order

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623734

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45
docs citations

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1013
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#	ARTICLE	IF	CITATIONS
1	Catalyst-free [2+2] photocycloadditions between benzils and olefins under visible light. Photochemical and Photobiological Sciences, 2022, 21, 695-703.	2.9	6
2	Sulfate-bearing clay and Pietra Serena sludge: Raw materials for the development of alkali activated binders. Construction and Building Materials, 2021, 301, 124030.	7.2	11
3	Reuse of waste sandstone sludge via alkali activation in matrices of fly ash and metakaolin. Construction and Building Materials, 2018, 172, 212-223.	7.2	38
4	Monoclinic-to-orthorhombic phase transition in Cu ₂ (AsO ₄)(OH) olivenite at high temperature: strain and mode decomposition analyses. Mineralogical Magazine, 2018, 82, 347-365.	1.4	5
5	Does Thermosolvent Effect Have to Concur with a Polymorphic Phase Transition? The Case of Methscopolamine Bromide. Crystals, 2018, 8, 301.	2.2	13
6	The crystal structure of hanksite, Na ₂₂ K(CO ₃) ₂ (SO ₄) ₉ Cl, refined from high-resolution X-ray diffraction data. Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2018, 195, 115-122.	0.3	0
7	Crystal structure refinement of duftite, PbCu(AsO ₄)(OH), from Grube Clara, Oberwolfach, Schwarzwald, Germany. Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2017, 194, 157-164.	0.3	1
8	Crystal structure of adamite at high temperature. Mineralogical Magazine, 2016, 80, 901-914.	1.4	4
9	Earthen mortars from Cremona (Northern Italy): The evolution throughout centuries of a manufacturing tradition. Construction and Building Materials, 2016, 125, 520-532.	7.2	3
10	Optical phonons, OH vibrations, and structural modifications of phlogopite at high temperatures: An in-situ infrared spectroscopic study. American Mineralogist, 2016, 101, 1873-1883.	1.9	8
11	Cooperative Jahn-Teller effect and the role of strain in the tetragonal-to-cubic phase transition in Mg _{1-x} Cu _x Al ₂ Cr ₂ O ₄ . IUCr, 2016, 3, 354-366.	2.2	19
12	Metakaolin as a precursor of materials for applications in Cultural Heritage: Geopolymer-based mortars with ornamental stone aggregates. Applied Clay Science, 2016, 132-133, 589-599.	5.2	42
13	Removal of fluoroquinolone contaminants from environmental waters on sepiolite and its photo-induced regeneration. Chemosphere, 2016, 150, 686-693.	8.2	40
14	Geopolymers from low-T activated kaolin: Implications for the use of alunite-bearing raw materials. Applied Clay Science, 2015, 114, 530-539.	5.2	17
15	Characterization of XVIIIth century earthen mortars from Cremona (Northern Italy): Insights on a manufacturing tradition. Materials Characterization, 2015, 103, 81-89.	4.4	10
16	Thermal dehydroxylation of kaolinite under isothermal conditions. Applied Clay Science, 2013, 80-81, 417-425.	5.2	109
17	Role of Interfacial Energy and Crystallographic Orientation on the Mechanism of the ZnO + Al ₂ O ₃ → ZnAl ₂ O ₄ Solid-State Reaction: I. Reactivity of Films Deposited onto the Sapphire (110) and (012) Faces. Journal of Physical Chemistry C, 2013, 117, 6105-6112.	3.1	9
18	Role of Interfacial Energy and Crystallographic Orientation on the Mechanism of the ZnO + Al ₂ O ₃ → ZnAl ₂ O ₄ Solid-State Reaction: II. Reactivity of Films Deposited onto the Sapphire (001) Face. Journal of Physical Chemistry C, 2013, 117, 6113-6119.	3.1	8

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19	Chromatic Alteration of Roman Heritage in Aosta (Italy). <i>Procedia Chemistry</i> , 2013, 8, 78-82.	0.7	3
20	Thermal expansion of alunite up to dehydroxylation and collapse of the crystal structure. <i>Mineralogical Magazine</i> , 2012, 76, 613-623.	1.4	11
21	Mechanisms of Reactions in the Solid State: (110) Al ₂ O ₃ + (001) ZnO Interfacial Reaction. <i>Journal of Physical Chemistry C</i> , 2012, 116, 980-986.	3.1	8
22	Growth and characterization of high quality LuVO ₃ single crystals. <i>Journal of Crystal Growth</i> , 2012, 351, 118-121.	1.5	4
23	The low-temperature magnetic signature of Fe-rich serpentine in CM2 chondrites: Comparison with terrestrial cronstedtite and evolution with the degree of alteration. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	7
24	Synchrotron radiation in solid state chemistry. <i>Radiation Physics and Chemistry</i> , 2011, 80, 1109-1111.	2.8	4
25	Rhombic-shaped nanodomains in columbite driven by contrasting cation order. <i>American Mineralogist</i> , 2011, 96, 374-382.	1.9	1
26	Thermal behaviour of libethenite from room temperature up to dehydration. <i>Mineralogical Magazine</i> , 2010, 74, 553-565.	1.4	7
27	Crystal structure of columbite under high pressure. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 769-778.	0.8	11
28	⁵¹ V-XANES mapping of buried interfaces: pushing microbeam techniques to the nanoscale. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5547.	2.8	12
29	Room-temperature equation of state of Li ₂ VOSiO ₄ up to 8.5 ÅGPa. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 71-76.	0.8	0
30	The crystal chemistry of Fe-bearing sphalerites: An infrared spectroscopic study. <i>American Mineralogist</i> , 2008, 93, 591-597.	1.9	31
31	Hydration/Dehydration and Cation Migration Processes at High Temperature in Zeolite Chabazite. <i>Chemistry of Materials</i> , 2008, 20, 5876-5887.	6.7	23
32	High temperature structural behaviour of Li ₂ VOSiO ₄ . <i>Zeitschrift für Kristallographie</i> , 2007, 222, .	1.1	3
33	Low-alkali metal content in ¹² -vanadium mixed bronzes: The crystal structures of ¹² -K _x (V,Mo) ₆ O ₁₅ (x=0.23) T_j ETQq _{1,1} 0.784314 rgB ₆ (k	2.9	6
34	Dehydroxylation, proton migration, and structural changes in heated talc: An infrared spectroscopic study. <i>American Mineralogist</i> , 2006, 91, 816-825.	1.9	57
35	Structural changes induced by cation ordering in ferrotapiolite. <i>Mineralogical Magazine</i> , 2006, 70, 319-328.	1.4	6
36	Structural properties of (Mn _{1-x} Fe _x)Nb ₂ O ₆ columbites from X-ray diffraction and IR spectroscopy. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 568-577.	0.8	10

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37	Composition-induced structural phase transitions in the $(\text{Ba}_{1-x}\text{La}_x)_2\text{In}_2\text{O}_5+x$ ($0 \leq x \leq 0.6$) system. <i>Journal of Solid State Chemistry</i> , 2005, 178, 882-891.	2.9	21
38	Local structural properties of $(\text{Mn,Fe})\text{Nb}_2\text{O}_6$ from Mössbauer and X-ray absorption spectroscopy. <i>Acta Crystallographica Section B: Structural Science</i> , 2005, 61, 250-257.	1.8	11
39	Mixing and ordering behavior in manganocolumbite-ferrocolumbite solid solution: A single-crystal X-ray diffraction study. <i>American Mineralogist</i> , 2005, 90, 1291-1300.	1.9	14
40	High-temperature X-ray investigation of natural columbites. <i>Physics and Chemistry of Minerals</i> , 2003, 30, 590-598.	0.8	14
41	Strain and local heterogeneity in the forsterite-fayalite solid solution. <i>Physics and Chemistry of Minerals</i> , 2003, 30, 495-502.	0.8	22
42	Ca in orthopyroxene: structural variations and kinetics of the disordering process. <i>European Journal of Mineralogy</i> , 2003, 15, 373-380.	1.3	15
43	Mixing properties of the enstatite-ferrosilite solid solution: I. A macroscopic perspective. <i>European Journal of Mineralogy</i> , 2002, 14, 525-536.	1.3	17
44	Mixing properties of the enstatite-ferrosilite solid solution: II. A microscopic perspective. <i>European Journal of Mineralogy</i> , 2002, 14, 537-547.	1.3	28