

# Monica Dapiaggi

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,118  
citations

394421

19  
h-index

414414

32  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1730  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Characterisation of scheelite $\text{LaW}_0.16\text{Nb}_0.84\text{O}_4.08$ ion conductor by combined synchrotron techniques: Structure, W oxidation state and interdiffusion. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157532.         | 5.5  | 3         |
| 2  | Local structure and Ca/Si ratio in C-S-H gels from hydration of blends of tricalcium silicate and silica fume. <i>Cement and Concrete Research</i> , 2021, 143, 106405.   | 11.0 | 45        |
| 3  | Structure of soda-lime-aluminosilicate glasses as revealed by in-situ synchrotron powder diffraction experiments. <i>Journal of Non-Crystalline Solids</i> , 2021, 568, 120932.   | 3.1  | 5         |
| 4  | How did the carrier shell <i>Xenophora crispa</i> (KÄ¶nig, 1825) build its shell? Evidence from the Recent and fossil record. <i>Lethaia</i> , 2020, 53, 439-451.   | 1.4  | 1         |
| 5  | High resolution spatial analyses of trace elements in coccoliths reveal new insights into element incorporation in coccolithophore calcite. <i>Scientific Reports</i> , 2020, 10, 9825.   | 3.3  | 7         |
| 6  | Structural Study of Nano-Sized Gahnite ( $\text{ZnAl}_2\text{O}_4$ ): From the Average to the Local Scale. <i>Nanomaterials</i> , 2020, 10, 824.  | 4.1  | 6         |
| 7  | The local and average structure of $\text{Ba}(\text{Ti}, \text{Ce})\text{O}_{3-x}$ perovskite solid solution: effect of cerium concentration and particle size. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1280-1287.                    | 2.4  | 3         |
| 8  | Structure-property correlations and origin of relaxor behaviour in $\text{BaCe}_x\text{Ti}_{1-x}\text{O}_3$ . <i>Acta Materialia</i> , 2018, 152, 258-268.  | 7.9  | 37        |
| 9  | High temperature investigation of $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-ZnO-Na}_2\text{O}$ glass for ceramic-glaze: in situ/ex-situ synchrotron diffraction and conventional approaches. <i>Ceramics International</i> , 2018, 44, 6395-6401. | 4.8  | 3         |
| 10 | Local distortion and octahedral tilting in $\text{BaCe}_{1-x}\text{Ti}_x\text{O}_{3-x}$ perovskite. <i>Journal of Applied Crystallography</i> , 2018, 51, 1283-1294.  | 4.5  | 7         |
| 11 | Multiscale understanding of tricalcium silicate hydration reactions. <i>Scientific Reports</i> , 2018, 8, 8544.   | 3.3  | 92        |
| 12 | Donor doping of $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ ceramics with strontium and its implications to grain size, phase composition and crystal structure. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2073-2082.            | 5.7  | 47        |
| 13 | Control of the amorphous content in traditional ceramics by means of alternative fluxing agents. <i>Journal of the European Ceramic Society</i> , 2017, 37, 1831-1838.  | 5.7  | 2         |
| 14 | Effects of limestone petrography and calcite microstructure on OPC clinker raw meals burnability. <i>Mineralogy and Petrology</i> , 2017, 111, 793-806.   | 1.1  | 3         |
| 15 | Aluminosilicate-based glasses structural investigation by high-energy X-ray diffraction. <i>Journal of Materials Science</i> , 2016, 51, 8845-8860.   | 3.7  | 7         |
| 16 | Modeling the Structure of Complex Aluminosilicate Glasses: The Effect of Zinc Addition. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2526-2537.  | 2.6  | 7         |
| 17 | Structural disorder in spinel-like nanoparticles probed by total scattering. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s83-s83.   | 0.1  | 0         |
| 18 | Comparison of total scattering data from various sources: the case of a nanometric spinel. <i>Powder Diffraction</i> , 2015, 30, S65-S69.   | 0.2  | 14        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | The formation of silica high temperature polymorphs from quartz: Influence of grain size and mineralising agents. <i>Journal of the European Ceramic Society</i> , 2015, 35, 4547-4555.  | 5.7 | 42        |
| 20 | Average and local atomic-scale structure in BaZr <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> (x = 0.10, 0.20, 0.40) ceramics by high-energy x-ray diffraction and Raman spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 065901. | 1.8 | 103       |
| 21 | Accuracy in quantitative phase analysis of mixtures with large amorphous contents. The case of zircon-rich sanitary-ware glazes. <i>Journal of Applied Crystallography</i> , 2014, 47, 136-145.  | 4.5 | 10        |
| 22 | The role of local structural distortions in the stabilisation of undoped nanocrystalline tetragonal zirconia. <i>Materials Chemistry and Physics</i> , 2014, 147, 395-402.   | 4.0 | 6         |
| 23 | Mechanisms of Zinc Oxide Nanocrystalline Thin Film Formation by Thermal Degradation of Metal-Loaded Hydrogels. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25108-25117.  | 3.1 | 11        |
| 24 | A kinetic study of the quartz $\leftrightarrow$ cristobalite phase transition. <i>Journal of the European Ceramic Society</i> , 2013, 33, 3403-3410.   | 5.7 | 76        |
| 25 | Local Structure of Si-Al-Ca-Na-O Glasses from Coupled Neutron and X-ray Total Scattering Data. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13114-13123.  | 2.6 | 15        |
| 26 | Transport properties in bulk nanocrystalline Sm-doped ceria with doping content between 2 and 30at.%. <i>Solid State Ionics</i> , 2012, 225, 412-415.  | 2.7 | 7         |
| 27 | A Kinetic Study of Thermal Decomposition of Limestone Using <i>In Situ</i> High Temperature X-Ray Powder Diffraction. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2491-2498.  | 3.8 | 21        |
| 28 | Synthesis of bulk tetragonal zirconia without stabilizer: The role of precursor nanopowders. <i>Journal of the European Ceramic Society</i> , 2012, 32, 343-352.   | 5.7 | 16        |
| 29 | Synthesis of Fully Dense Anatase TiO <sub>2</sub> Through High Pressure Field Assisted Rapid Sintering. <i>Nanoscience and Nanotechnology Letters</i> , 2012, 4, 205-208.  | 0.4 | 8         |
| 30 | In situ high-temperature X-ray and neutron powder diffraction study of cation partitioning in synthetic Mg(Fe <sub>0.5</sub> Al <sub>0.5</sub> ) <sub>2</sub> O <sub>4</sub> spinel. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 11-19.       | 0.8 | 6         |
| 31 | Complex thermal evolution of size-stabilized tetragonal zirconia. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1038-1041.   | 4.0 | 13        |
| 32 | Synthesis of Fully Dense Nanostabilized Undoped Tetragonal Zirconia. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2092-2097.   | 3.8 | 4         |
| 33 | Negative (and very low) thermal expansion in ReO <sub>3</sub> from 5 to 300K. <i>Journal of Applied Crystallography</i> , 2009, 42, 253-258.   | 4.5 | 29        |
| 34 | Ferroelectric BaTiO <sub>3</sub> Nanowires by a Topochemical Solid-State Reaction. <i>Chemistry of Materials</i> , 2009, 21, 5058-5065.  | 6.7 | 67        |
| 35 | Study of the negative thermal expansion of cuprite-type structures by means of temperature-dependent pair distribution function analysis: Preliminary results. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2182-2186.                | 4.0 | 11        |
| 36 | High temperature reactions in mold flux slags: Kinetic versus composition control. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2852-2860.  | 3.1 | 15        |

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|----|--|------|-----------|
| 37 | Incorporation of Trivalent Cations in Synthetic Garnets A <sub>3</sub> B <sub>5</sub> O <sub>12</sub> (A = Y, Lu, La, B = Al, Fe, Ga). Journal of Physical Chemistry B, 2006, 110, 6561-6568.                                  | 2.6  | 28        |
| 38 | Negative thermal expansion in cuprite-type compounds: A combined synchrotron XRPD, EXAFS, and computational study of Cu <sub>2</sub> O and Ag <sub>2</sub> O. Journal of Physics and Chemistry of Solids, 2006, 67, 1918-1922. | 4.0  | 24        |
| 39 | Characterization of omphacite jade from the Po valley, Piedmont, Italy. Journal of Gemmology, 2006, 30, 215-226.   | 0.2  | 6         |
| 40 | High-Temperature Polymorphism in Metastable BiMnO <sub>3</sub> . Chemistry of Materials, 2005, 17, 6457-6467.  | 6.7  | 80        |
| 41 | Microscopic strain in synthetic pyrope-grossular solid solutions determined by synchrotron X-ray powder diffraction at 5 K: The relationship to enthalpy of mixing behavior. American Mineralogist, 2005, 90, 506-509.         | 1.9  | 28        |
| 42 | P-V equation of State, thermal expansion, and P-T stability of synthetic zincochromite (ZnCr <sub>2</sub> O <sub>4</sub> )   | 1.9  | 44        |
| 43 | Thermal Expansion and Excess Properties of Kermanite-Gehlenite Synthetic Solid Solution Series. Materials Science Forum, 2004, 443-444, 401-406.   | 0.3  | 3         |
| 44 | The effect of oxidation and reduction on thermal expansion of magnetite from 298 to 1173K at different vacuum conditions. Journal of Solid State Chemistry, 2004, 177, 1713-1716.  | 2.9  | 22        |
| 45 | Thermal expansion in cuprite-type structures from 10 K to decomposition temperature: Cu <sub>2</sub> O and Ag <sub>2</sub> O. Journal of Applied Crystallography, 2003, 36, 1461-1463.   | 4.5  | 73        |
| 46 | Phase transformations and reaction kinetics during the temperature-induced oxidation of natural olivine. American Mineralogist, 2003, 88, 1560-1574.   | 1.9  | 25        |
| 47 | Fe-Doped Zirconium Oxide Produced by Self-Sustained High-Temperature Synthesis: Evidence for an Fe-Zr Direct Bond. Journal of the American Chemical Society, 1999, 121, 301-307.   | 13.7 | 34        |
| 48 | Quantification of Classified Nickel Species in Spent FFC Catalysts. Waste and Biomass Valorization, 0, , 1.  | 3.4  | 1         |