

Luciana Mantovani

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

773
citations

567281

15
h-index

526287

27
g-index

40
all docs

40
docs citations

40
times ranked

1014
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Re-using Ladle Furnace Steel slags as filler in asphalt mixtures. <i>Construction and Building Materials</i> , 2022, 323, 126420. | 7.2 | 8 |
| 2 | Detrital orthopyroxene as a tracer of geodynamic setting:. <i>Chemical Geology</i> , 2022, 596, 120809. | 3.3 | 9 |
| 3 | Magnetic particle monitoring on leaves in winter: a pilot study on a highly polluted location in the Po plain (Northern Italy). <i>Environmental Science and Pollution Research</i> , 2022, 29, 63171-63181. | 5.3 | 1 |
| 4 | Particle Size and Potential Toxic Element Speciation in Municipal Solid Waste Incineration (MSWI) Bottom Ash. <i>Sustainability</i> , 2021, 13, 1911. | 3.2 | 8 |
| 5 | Cathodoluminescence, Raman and scanning electron microscopy with energy dispersion system mapping to unravel the mineralogy and texture of an altered Ca ₂ Al ₂ Si ₂ O ₁₀ Fe ₂ carbonaceous chondrite. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 1892. | 2.5 | 0 |
| 6 | Geochemical and magnetic data on anthropogenic ashes from municipal solid waste incineration (MSWI). <i>Data in Brief</i> , 2020, 31, 105728. | 1.0 | 1 |
| 7 | Understanding room-temperature magnetic properties of anthropogenic ashes from municipal solid waste incineration to assess potential impacts and resources. <i>Journal of Cleaner Production</i> , 2020, 262, 121209. | 9.3 | 11 |
| 8 | Experimental and calculated Raman spectra in Ca ²⁺ Zn pyroxenes and a comparison between (Ca _x M _{2+1-x})M ₂ Si ₂ O ₆ pyroxenes (M ₂₊ =Mg, Co, Zn, Fe ²⁺). <i>Physics and Chemistry of Minerals</i> , 2019, 46, 827-837. | 4.6 | 3 |
| 9 | The deposition from the Cross in the church of Saint-Germain-en-Laye (France): A masterpiece of Romanesque sculpture? Materials characterization to solve a 20th c. mystery. <i>Journal of Cultural Heritage</i> , 2019, 40, 133-142. | 3.3 | 2 |
| 10 | Super-activated biochar from poultry litter for high-performance supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2019, 285, 161-169. | 4.4 | 58 |
| 11 | Degassing and phase transitions with temperature in melanophlogite. <i>Microporous and Mesoporous Materials</i> , 2019, 286, 9-17. | 4.4 | 2 |
| 12 | A Green Approach to Copper-Containing Pesticides: Antimicrobial and Antifungal Activity of Brochantite Supported on Lignin for the Development of Biobased Plant Protection Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3213-3221. | 6.7 | 46 |
| 13 | Colour of Ca(Co Mg _{1-x})Si ₂ O ₆ pyroxenes and their technological behaviour as ceramic colorants. <i>Ceramics International</i> , 2018, 44, 12745-12753. | 4.8 | 11 |
| 14 | Plagioclase composition by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 684-698. | 2.5 | 41 |
| 15 | Superparamagnetic iron oxides nanoparticles from municipal solid waste incinerators. <i>Science of the Total Environment</i> , 2018, 621, 687-696. | 8.0 | 27 |
| 16 | A comprehensive study of the magnetic properties of the pyroxenes series Ca _{0.2} Mg _{0.8} Si ₂ O ₆ Co _{0.2} Si ₂ O ₆ as a function of Co content. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 285801. | 1.8 | 3 |
| 17 | Reuse of Stabilized Municipal Solid Waste Incinerator Fly Ash in Asphalt Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, . | 2.9 | 18 |
| 18 | The structure of Ca _{0.2} Co _{0.8} Si ₂ O ₆ pyroxene and the Ca _{0.2} Co _{0.8} Si ₂ O ₆ phase transition in natural and synthetic Ca _{0.2} Mg _{0.8} Fe ₂₊ pyroxenes. <i>Mineralogical Magazine</i> , 2018, 82, 211-228. | 1.4 | 5 |

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|----|---|-----|-----------|
| 19 | Magnetic and SEM-EDS analyses of <i>Tilia cordata</i> leaves and PM10 filters as a complementary source of information on polluted air: Results from the city of Parma (Northern Italy). <i>Environmental Pollution</i> , 2018, 239, 777-787. | 7.5 | 10 |
| 20 | High-pressure Raman spectroscopy of $\text{Ca}(\text{Mg},\text{Co})\text{Si}_2\text{O}_6$ and $\text{Ca}(\text{Mg},\text{Co})\text{Ge}_2\text{O}_6$ clinopyroxenes. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1443-1448. | 2.5 | 13 |
| 21 | High-pressure Raman spectroscopy on low albite. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 213-220. | 0.8 | 10 |
| 22 | Synthesis and crystal structure of $\text{Ca}(\text{Co},\text{Mg})\text{Si}_2\text{O}_6$ pyroxenes: effect of the cation substitution on cell volume. <i>Mineralogical Magazine</i> , 2017, 81, 1129-1139. | 1.4 | 5 |
| 23 | A mineralogical approach to the authentication of an archaeological artefact: Real ancient bronze from Roman Age or fake?. <i>Journal of Cultural Heritage</i> , 2016, 21, 876-880. | 3.3 | 4 |
| 24 | Micro-Raman mapping of the polymorphs of serpentine. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 953-958. | 2.5 | 107 |
| 25 | Synthesis and color performance of $\text{CaCoSi}_2\text{O}_6$ pyroxene, a new ceramic colorant. <i>Dyes and Pigments</i> , 2015, 120, 118-125. | 3.7 | 20 |
| 26 | Raman spectroscopy of $\text{CaM}_{2+}\text{Ge}_2\text{O}_6$ ($\text{M}_{2+} = \text{Mg}, \text{Mn}$). <i>Tj ETQg 0 0 rgBT</i> | 2.5 | 25 |
| 27 | Raman spectroscopy of $\text{CaCoSi}_2\text{O}_6$ – $\text{Co}_2\text{Si}_2\text{O}_6$ clinopyroxenes. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 179-189. | 0.8 | 12 |
| 28 | A comparison between <i>ab initio</i> calculated and measured Raman spectrum of triclinic albite ($\text{NaAlSi}_3\text{O}_8$). <i>Journal of Raman Spectroscopy</i> , 2015, 46, 501-508. | 2.5 | 42 |
| 29 | Ca-Zn solid solutions in C_2/c pyroxenes: Synthesis, crystal structure, and implications for Zn geochemistry. <i>American Mineralogist</i> , 2015, 100, 2209-2218. | 1.9 | 11 |
| 30 | Thermal expansion in C_2/c pyroxenes: a review and new high-temperature structural data for a pyroxene of composition $(\text{Na}_{0.53}\text{Ca}_{0.47})(\text{Al}_{0.53}\text{Fe}_{0.47})\text{Si}_2\text{O}_6$ (<i>Jd53Hd47</i>). <i>Mineralogical Magazine</i> , 2014, 78, 311-324. | 1.4 | 11 |
| 31 | Solid solutions and phase transitions in $(\text{Ca},\text{M}_{2+})\text{M}_2\text{Si}_2\text{O}_6$ pyroxenes ($\text{M}_{2+} = \text{Co}, \text{Fe}, \text{Mg}$). <i>American Mineralogist</i> , 2014, 99, 704-711. | 1.9 | 23 |
| 32 | Cholecystocutaneous fistula containing multiple gallstones in a dog. <i>Canadian Veterinary Journal</i> , 2014, 55, 1163-6. | 0.0 | 5 |
| 33 | Ni-free, black ceramic pigments based on $\text{Co}^{\text{II}}\text{Cr}^{\text{III}}\text{Fe}^{\text{III}}\text{Mn}$ spinels: A reappraisal of crystal structure, colour and technological behaviour. <i>Ceramics International</i> , 2013, 39, 9533-9547. | 4.8 | 54 |
| 34 | Crystallographic and spectroscopic characterization of a natural Zn-rich spinel approaching the endmember gahnite (ZnAl_2O_4) composition. <i>Mineralogical Magazine</i> , 2013, 77, 2941-2953. | 1.4 | 28 |
| 35 | The structure of $(\text{Ca},\text{Co})\text{CoSi}_2\text{O}_6$ pyroxenes and the Ca- M_{2+} substitution in $(\text{Ca},\text{M}_{2+})\text{M}_2\text{Si}_2\text{O}_6$ pyroxenes ($\text{M}_{2+} = \text{Co}, \text{Fe}, \text{Mg}$). <i>American Mineralogist</i> , 2013, 98, 1241-1252. | 1.9 | 21 |
| 36 | Raman spectroscopy of $(\text{Ca},\text{Mg})\text{MgSi}_2\text{O}_6$ clinopyroxenes. <i>American Mineralogist</i> , 2012, 97, 1339-1347. | 1.9 | 44 |

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|----|---|-----|-----------|
| 37 | The Raman spectrum of diopside: a comparison between ab initio calculated and experimentally measured frequencies. <i>European Journal of Mineralogy</i> , 2012, 24, 457-464. | 1.3 | 60 |
| 38 | Raman Investigation on Pigeonite in Ureilite. <i>Spectroscopy Letters</i> , 2011, 44, 480-485. | 1.0 | 10 |
| 39 | Multi-technique characterization of glass mosaic tesserae from Villa di Teodorico in Galeata (Italy). <i>Journal of Raman Spectroscopy</i> , 0, , . | 2.5 | 4 |