Luciana Mantovani

List of Publications by Year
in descending order

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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	Microâ€Raman mapping of the polymorphs of serpentine. Journal of Raman Spectroscopy, 2015, 46, 953-958.	2.5	107
2	The Raman spectrum of diopside: a comparison between ab initio calculated and experimentally measured frequencies. European Journal of Mineralogy, 2012, 24, 457-464.	1.3	60
3	Super-activated biochar from poultry litter for high-performance supercapacitors. Microporous and Mesoporous Materials, 2019, 285, 161-169.	4.4	58
4	Ni-free, black ceramic pigments based on Coâ€”Crâ€”Feâ€”Mn spinels: A reappraisal of crystal structure, colour and technological behaviour. Ceramics International, 2013, 39, 9533-9547.	4.8	54
5	A Green Approach to Copper-Containing Pesticides: Antimicrobial and Antifungal Activity of Brochantite Supported on Lignin for the Development of Biobased Plant Protection Products. ACS Sustainable Chemistry and Engineering, 2019, 7, 3213-3221.	6.7	46
6	Raman spectroscopy of (Ca,Mg)MgSi2O6 clinopyroxenes. American Mineralogist, 2012, 97, 1339-1347.	1.9	44
7	A comparison between ab initio calculated and measured Raman spectrum of triclinic albite (NaAlSi₃O₈). Journal of Raman Spectroscopy, 2015, 46, 501-508.	2.5	42
8	Plagioclase composition by Raman spectroscopy. Journal of Raman Spectroscopy, 2018, 49, 684-698.	2.5	41
9	Crystallographic and spectroscopic characterization of a natural Zn-rich spinel approaching the endmember gahnite (ZnAl₂O₄) composition. Mineralogical Magazine, 2013, 77, 2941-2953.	1.4	28
10	Superparamagnetic iron oxides nanoparticles from municipal solid waste incinerators. Science of the Total Environment, 2018, 621, 687-696.	8.0	27
11	Raman spectroscopy of CaM²⁺Ge₂O₆(M²⁺â€‰=â€‰Mg, Mn) Tj ETQq1 1 0.78	2.5	25
12	Solid solutions and phase transitions in (Ca,M2+)M2+Si2O6 pyroxenes (M2+ = Co, Fe, Mg). American Mineralogist, 2014, 99, 704-711.	1.9	23
13	The structure of (Ca,Co)CoSi2O6 pyroxenes and the Ca-M2+ substitution in (Ca,M2+)M2+Si2O6 pyroxenes (M2+ = Co, Fe, Mg). American Mineralogist, 2013, 98, 1241-1252.	1.9	21
14	Synthesis and color performance of CaCoSi2O6 pyroxene, a new ceramic colorant. Dyes and Pigments, 2015, 120, 118-125.	3.7	20
15	Reuse of Stabilized Municipal Solid Waste Incinerator Fly Ash in Asphalt Mixtures. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	18
16	Highâ€pressure <scp>Raman</scp> spectroscopy of Ca(Mg,Co)Si₂O₆ and Ca(Mg,Co)Ge₂O₆ clinopyroxenes. Journal of Raman Spectroscopy, 2017, 48, 1443-1448.	2.5	13
17	Raman spectroscopy of CaCoSi2O6â€“Co2Si2O6 clinopyroxenes. Physics and Chemistry of Minerals, 2015, 42, 179-189.	0.8	12
18	Thermal expansion in C2/c pyroxenes: a review and new high-temperature structural data for a pyroxene of composition (Na0.53Ca0.47)(Al0.53Fe0.47)Si2O6 (Jd53Hd47). Mineralogical Magazine, 2014, 78, 311-324.	1.4	11

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19	Ca-Zn solid solutions inC2/cpyroxenes: Synthesis, crystal structure, and implications for Zn geochemistry. American Mineralogist, 2015, 100, 2209-2218.	1.9	11
20	Colour of Ca(Co Mg1-)Si2O6 pyroxenes and their technological behaviour as ceramic colorants. Ceramics International, 2018, 44, 12745-12753.	4.8	11
21	Understanding room-temperature magnetic properties of anthropogenic ashes from municipal solid waste incineration to assess potential impacts and resources. Journal of Cleaner Production, 2020, 262, 121209.	9.3	11
22	Raman Investigation on Pigeonite in Ureilite. Spectroscopy Letters, 2011, 44, 480-485.	1.0	10
23	High-pressure Raman spectroscopy on low albite. Physics and Chemistry of Minerals, 2017, 44, 213-220.	0.8	10
24	Magnetic and SEM-EDS analyses of Tilia cordata leaves and PM10 filters as a complementary source of information on polluted air: Results from the city of Parma (Northern Italy). Environmental Pollution, 2018, 239, 777-787.	7.5	10
25	Detrital orthopyroxene as a tracer of geodynamic setting:. Chemical Geology, 2022, 596, 120809.	3.3	9
26	Particle Size and Potential Toxic Element Speciation in Municipal Solid Waste Incineration (MSWI) Bottom Ash. Sustainability, 2021, 13, 1911.	3.2	8
27	Re-using Ladle Furnace Steel slags as filler in asphalt mixtures. Construction and Building Materials, 2022, 323, 126420.	7.2	8
28	Synthesis and crystal structure of C2/c Ca(Co,Mg)Si₂O₆ pyroxenes: effect of the cation substitution on cell volume. Mineralogical Magazine, 2017, 81, 1129-1139.	1.4	5
29	The structure of P2₁/c (Ca_{0.2}Co_{0.8})CoSi₂O₆ pyroxene and the C2/câ€“P2₁/c phase transition in natural and synthetic Caâ€“Mgâ€“Fe²⁺ pyroxenes. Mineralogical Magazine, 2018, 82, 211-228.	1.4	5
30	Cholecystocutaneous fistula containing multiple gallstones in a dog. Canadian Veterinary Journal, 2014, 55, 1163-6.	0.0	5
31	A mineralogical approach to the authentication of an archaeological artefact: Real ancient bronze from Roman Age or fake?. Journal of Cultural Heritage, 2016, 21, 876-880.	3.3	4
32	Multiâ€technique characterization of glass mosaic tesserae from Villa di Teodorico in Galeata (Italy). Journal of Raman Spectroscopy, 0, , .	2.5	4
33	A comprehensive study of the magnetic properties of the pyroxenes series CaMgSi₂O₆â€“Co₂Si₂O₆ as a function of Co content. Journal of Physics Condensed Matter, 2018, 30, 285801.	1.8	3
34	Experimental and calculated Raman spectra in Caâ€“Zn pyroxenes and a comparison between (CaxM2+1â^'x)M2+Si2O6 pyroxenes (M2+â€‰=â€‰Mg, Co, Zn, Fe2+). Physics and Chemistry of Minerals, 2019, 46, 827-837.	1.1	3
35	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. Journal of Cultural Heritage, 2019, 40, 133-142.	3.3	2
36	Degassing and phase transitions with temperature in melanophlogite. Microporous and Mesoporous Materials, 2019, 286, 9-17.	4.4	2

#	Article	IF	Citations
37	Geochemical and magnetic data on anthropogenic ashes from municipal solid waste incineration (MSWI). Data in Brief, 2020, 31, 105728.	1.0	1
38	Magnetic particle monitoring on leaves in winter: a pilot study on a highly polluted location in the Po plain (Northern Italy). Environmental Science and Pollution Research, 2022, 29, 63171-63181.	5.3	1
39	Cathodoluminescence, Raman and scanning electron microscopy with energy dispersion system mapping to unravel the mineralogy and texture of an altered Caï£¿Alâ€rich inclusion in Renazzo CR2 carbonaceous chondrite. Journal of Raman Spectroscopy, 2021, 52, 1892.	2.5	0