

Carlo Meneghini

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

6315
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray Optics of a Dynamical Sagittal-Focusing Monochromator on the GILDA Beamline at the ESRF. Journal of Synchrotron Radiation, 1996, 3, 147-155.	2.4	240
2	Fabrication and characterization of integrated optical waveguides in sulfide chalcogenide glasses. Journal of Lightwave Technology, 1999, 17, 1184-1191.	4.6	162
3	Non-linear optical properties of chalcogenide glasses in the system As ⁴⁰ S ⁴⁰ Se. Journal of Non-Crystalline Solids, 1999, 256-257, 353-360.	3.1	152
4	Oxidative Stress Induces Persistent Telomeric DNA Damage Responsible for Nuclear Morphology Change in Mammalian Cells. PLoS ONE, 2014, 9, e110963.	2.5	144
5	Nature of "Disorder" in the Ordered Double Perovskite $\text{Sr}_{2-x}\text{Fe}_x\text{MoO}_{10}$. Physical Review Letters, 2009, 103, 046403.	7.8	143
6	Silver Nanoparticles Stabilized with Thiols: A Close Look at the Local Chemistry and Chemical Structure. Journal of Physical Chemistry C, 2012, 116, 19571-19578.	3.1	143
7	Silver nanocrystals in silica by sol-gel processing. Journal of Non-Crystalline Solids, 1996, 194, 225-234.	3.1	128
8	Nickel supported on YSZ: The effect of Ni particle size on the catalytic activity for CO ₂ methanation. Journal of CO ₂ Utilization, 2018, 23, 200-211.	6.8	112
9	Random ion distribution model: A structural approach to the mixed-alkali effect in glasses. Physical Review B, 2001, 63, .	3.2	99
10	Rietveld Refinement on X-Ray Diffraction Patterns of Bioapatite in Human Fetal Bones. Biophysical Journal, 2003, 84, 2021-2029.	0.5	93
11	Multipurpose imaging-plate camera for in situ powder XRD at the GILDA beamline. Journal of Synchrotron Radiation, 2001, 8, 1162-1166.	2.4	81
12	Inter- and Intra-octahedral Cu(II) Site Geometries in the Prion Protein. Journal of Biological Chemistry, 2004, 279, 11753-11759.	3.4	81
13	ESTRA-FitEXA: A software package for EXAFS data analysis. Nuclear Instruments & Methods in Physics Research B, 2012, 285, 153-157.	1.4	74
14	Arsenic uptake by natural calcite: An XAS study. Geochimica Et Cosmochimica Acta, 2011, 75, 3011-3023.	3.9	68
15	High-pressure structure and electronic transport in hole-doped La _{3/4} Ca _{1/4} MnO ₃ perovskites. Physical Review B, 2001, 65, .	3.2	64
16	Structural characterization of La _{1-x} MnO ₃ by x-ray diffraction and x-ray absorption spectroscopy. Physical Review B, 2004, 69, .	3.2	63
17	Microarchitectural and Physical Changes During Fetal Growth in Human Vertebral Bone. Journal of Bone and Mineral Research, 2003, 18, 760-768.	2.8	60
18	Synthesis and Structural Characterization of Silver Nanoparticles Stabilized with 3-Mercapto-1-Propanesulfonate and 1-Thiogluco Mixed Thiols for Antibacterial Applications. Materials, 2016, 9, 1028.	2.9	58

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19	<p>of the Spin-Orbital Liquid State in a Nearly-Irregular Iridate $\text{Ba}_3\text{ZnIr}_2\text{O}_{14}$. Physical Review Letters, 2017, 118, 087201.</p>	7.8	58
20	Non-linear glasses by metal cluster formation: synthesis and properties. Journal of Non-Crystalline Solids, 1996, 196, 79-83.	3.1	54
21	Irradiation-induced Ag-colloid formation in ion-exchanged soda-lime glass. Nuclear Instruments & Methods in Physics Research B, 1995, 96, 382-386.	1.4	50
22	Hydrophilic Metal Nanoparticles Functionalized by 2-Diethylaminoethanethiol: A Close Look at the Metal-Ligand Interaction and Interface Chemical Structure. Journal of Physical Chemistry C, 2017, 121, 8002-8013.	3.1	44
23	The role of natural biogeochemical barriers in limiting metal loading to a stream affected by mine drainage. Applied Geochemistry, 2017, 76, 124-135.	3.0	43
24	Eu doping in multiferroic BiFeO_3 ceramics studied by Mossbauer and EXAFS spectroscopy. Journal of Physics Condensed Matter, 2010, 22, 356001.	1.8	42
25	Microscopic Processes Ruling the Bioavailability of Zn to Roots of <i>Euphorbia pithyusa</i> L. Pioneer Plant. Environmental Science & Technology, 2015, 49, 1400-1408.	10.0	42
26	Ni supported on YSZ: XAS and XPS characterization and catalytic activity for CO ₂ methanation. Journal of Materials Science, 2017, 52, 10331-10340.	3.7	40
27	Hydrophilic Silver Nanoparticles for Hg(II) Detection in Water: Direct Evidence for Mercury-Silver Interaction. Journal of Physical Chemistry C, 2020, 124, 25975-25983.	3.1	40
28	Structural study of $\text{a-Si}_{1-x}\text{C}_x\text{H}$ by exafs and x-ray scattering. Journal of Non-Crystalline Solids, 1991, 137-138, 75-78.	3.1	39
29	Crack formation in γ -alumina supported MFI zeolite membranes studied by in situ high temperature synchrotron powder diffraction. Journal of Membrane Science, 2007, 290, 95-104.	8.2	39
30	Magnetism of Nanoparticles: Effect of the Organic Coating. Nanomaterials, 2021, 11, 1787.	4.1	38
31	Evidence of oxygen-vacancy-induced ferromagnetic order in single crystal Mn-doped SrTiO_3 . Applied Physics Letters, 2012, 101, 042406.	3.3	36
32	Structural origin of magnetic anisotropy in Co-Pt alloy films probed by polarized XAFS. European Physical Journal B, 1999, 7, 347-357.	1.5	35
33	Microstructural and magnetic evolution upon annealing of giant magnetoresistance melt-spun Co-Cu granular alloys. Physical Review B, 2003, 67, .	3.2	35
34	Impact of Zn excess on biomineralization processes in <i>Juncus acutus</i> grown in mine polluted sites. Journal of Hazardous Materials, 2019, 370, 98-107.	12.4	35
35	Local structure in LaMnO_3 and CaMnO_3 perovskites: A quantitative structural refinement of MnK-edge XANES data. Physical Review B, 2005, 72, .	3.2	34
36	Mixed Mobile Ion Effect and Cooperative Motions in Silver-Sodium Phosphate Glasses. Physical Review Letters, 2008, 101, 195901.	7.8	34

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37	Solvent Induced Pseudopolymorphism in a Calixarene-Based Porous Host Framework. <i>Crystal Growth and Design</i> , 2010, 10, 1527-1533.	3.0	34
38	Temperature dependence of non-Debye disorder in doped manganites. <i>Physical Review B</i> , 1997, 56, 3520-3523.	3.2	33
39	High Yield Synthesis of Pure Alkanethiolate-Capped Silver Nanoparticles. <i>Langmuir</i> , 2010, 26, 15561-15566.	3.5	32
40	High temperature stability of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ and La _{0.6} Sr _{0.4} Co ₁ Fe _{0.3} oxygen separation perovskite membranes. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1679-1690.	5.7	32
41	The high-temperature P2/c \rightarrow C2/c phase transition in Fe-free Ca-rich P21/c clinopyroxenes. <i>Physics and Chemistry of Minerals</i> , 2003, 30, 527-535.	0.8	31
42	Microscopic biomineralization processes and Zn bioavailability: a synchrotron-based investigation of <i>Pistacia lentiscus</i> L. roots. <i>Environmental Science and Pollution Research</i> , 2015, 22, 19352-19361.	5.3	31
43	Identifying the structure of the active sites of human recombinant prolidase. <i>European Biophysics Journal</i> , 2010, 39, 935-945.	2.2	30
44	Silver nanoparticles linked by a Pt-containing organometallic dithiol bridge: study of local structure and interface by XAFS and SR-XPS. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11719-11728.	2.8	30
45	Causal relationship between heart rate and arterial blood pressure variability signals. <i>Medical and Biological Engineering and Computing</i> , 1988, 26, 374-378.	2.8	29
46	The amorphous Zn biomineralization at Naracauli stream, Sardinia: electron microscopy and X-ray absorption spectroscopy. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6775-6782.	5.3	29
47	EXAFS in situ: The effect of bromide on Pd during the catalytic direct synthesis of hydrogen peroxide. <i>Catalysis Today</i> , 2015, 248, 138-141.	4.4	29
48	Cement-stabilized contaminated soil: Understanding Pb retention with XANES and Raman spectroscopy. <i>Science of the Total Environment</i> , 2021, 752, 141826.	8.0	29
49	Dehydration dynamics of epistilbite by in situ time resolved synchrotron powder diffraction. <i>European Journal of Mineralogy</i> , 2003, 15, 257-266.	1.3	28
50	Protective Effects of L-Dopa and Carbidopa Combined Treatments on Human Catecholaminergic Cells. <i>DNA and Cell Biology</i> , 2012, 31, 1572-1579.	1.9	27
51	The Five-To-Six-Coordination Transition of Ferric Human Serum Heme-Albumin Is Allosterically-Modulated by Ibuprofen and Warfarin: A Combined XAS and MD Study. <i>PLoS ONE</i> , 2014, 9, e104231.	2.5	27
52	Origin of magnetic moments and presence of spin-orbit singlets in Ba_2YrO_6 . <i>Physical Review B</i> , 2018, 98, .	3.2	27
53	Interface structure in magnetic multilayers using x-ray standing waves. <i>Physical Review B</i> , 2007, 75, .	3.2	26
54	The early hydration and the set of Portland cements: In situ X-ray powder diffraction studies. <i>Powder Diffraction</i> , 2007, 22, 201-208.	0.2	26

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55	Local structure of hole-doped manganites: influence of temperature and applied magnetic field. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 1967-1974.	1.8	25
56	Interfacial magnetic coupling between Fe nanoparticles in Fe-Ag granular alloys. <i>Nanotechnology</i> , 2012, 23, 025705.	2.6	24
57	Effects of consumption of whole grain foods rich in lignans in healthy postmenopausal women with moderate serum cholesterol: a pilot study. <i>International Journal of Food Sciences and Nutrition</i> , 2014, 65, 637-645.	2.8	24
58	Thermal Evolution of Carbon-Supported Pd Nanoparticles Studied by Time-Resolved X-ray Diffraction. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8088-8091.	2.6	22
59	Classlike ordering and spatial inhomogeneity of magnetic structure in Ba ₃ FeRu ₃ Si ₃ O ₁₄ . <i>Physical Review B</i> , 2012, 86, .	3.2	22
60	Signature of an antiferromagnetic metallic ground state in heavily electron-doped Sr ₂ FeMoO ₆ . <i>Physical Review B</i> , 2012, 86, .	3.2	22
61	High-temperature and high-pressure behavior of carbonates in the ternary diagram CaCO ₃ -MgCO ₃ -FeCO ₃ . <i>American Mineralogist</i> , 2016, 101, 1423-1430.	1.9	22
62	Stability of biological and inorganic hemimorphite: Implications for hemimorphite precipitation in non-sulfide Zn deposits. <i>Ore Geology Reviews</i> , 2017, 89, 808-821.	2.7	22
63	Gold nanocluster formation in silicate glasses by low fluence ion implantation and annealing. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996, 116, 527-530.	1.4	21
64	The Active Site Structure of Tetanus Neurotoxin Resolved by Multiple Scattering Analysis in X-Ray Absorption Spectroscopy. <i>Biophysical Journal</i> , 1998, 75, 1953-1963.	0.5	21
65	The structure of ZrO ₂ phases and devitrification processes in a Ca-Zr-Si-O-based glass ceramic: a combined a-XRD and XAS study. <i>Journal of Applied Crystallography</i> , 2004, 37, 890-900.	4.5	21
66	The order-disorder character of FeOHSO ₄ obtained from the thermal decomposition of metahohmannite, Fe ₃ (H ₂ O) ₄ [O(SO ₄) ₂]. <i>American Mineralogist</i> , 2005, 90, 679-686.	1.9	21
67	In-situ X-ray Absorption Fine Structure Spectroscopy of a Palladium Catalyst for the Direct Synthesis of Hydrogen Peroxide: Leaching and Reduction of the Metal Phase in the Presence of Bromide Ions. <i>ChemCatChem</i> , 2015, 7, 3712-3718.	3.7	21
68	Melting Curve and Phase Relations of Fe-Ni Alloys: Implications for the Earth's Core Composition. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088169.	4.0	21
69	Luminescence from neodymium-ion-implanted As ₂ S ₃ waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 1305.	2.1	20
70	Differential anomalous wide-angle X-ray scattering and X-ray absorption experiments to investigate the formation of glass ceramics in the CaO-SiO ₂ -ZrO ₂ system. <i>Journal of Applied Crystallography</i> , 1999, 32, 1090-1099.	4.5	20
71	Structure of bioapatite in human foetal bones: An X-ray diffraction study. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 200, 406-410.	1.4	20
72	Crystallization on heating and complex phase behavior of Î±-cyclodextrin solutions. <i>Journal of Chemical Physics</i> , 2006, 125, 154504.	3.0	20

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73	Apparent energy of hydrated biomineral surface and apparent solubility constant: An investigation of hydrozincite. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 349-364.	3.9	20
74	Spinel Iron Oxide by the Co-Precipitation Method: Effect of the Reaction Atmosphere. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5433.	2.5	19
75	Natural attenuation can lead to environmental resilience in mine environment. <i>Applied Geochemistry</i> , 2020, 117, 104597.	3.0	19
76	Coupling of Small Lattice Polarons to Magnetic Field in Magnetoresistive Manganites. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 215, 647-652.	1.5	18
77	Structural evolution of Co clusters in Co ₁₅ Cu ₈₅ granular alloys by EXAFS spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 221, 80-86.	2.3	18
78	Depth selective XANES study of swift heavy ion irradiation effects in metal/Si systems. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 212, 458-464.	1.4	18
79	RIETVELD REFINEMENT OF CLINOPYROXENES WITH INTERMEDIATE Ca-CONTENT ALONG THE JOIN DIOPSIDE ENSTATITE. <i>Canadian Mineralogist</i> , 2005, 43, 1411-1421.	1.0	18
80	Microscopic distribution of metal dopants and anion vacancies in Fe-doped BaTiO ₃ single crystals. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 236002.	1.8	18
81	Efficient artificial mineralization route to decontaminate Arsenic(III) polluted water - the Tooeleite Way. <i>Scientific Reports</i> , 2016, 6, 26031.	3.3	18
82	Structure and magnetism of cobalt at high pressure and low temperature. <i>Physical Review B</i> , 2016, 94, .	3.2	18
83	XRD-Thermal Combined Analyses: An Approach to Evaluate the Potential of Phytoremediation, Phytomining, and Biochar Production. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1976.	2.6	18
84	Depth-resolved x-ray absorption fine structure study of Fe ²⁺ /Si interfaces using x-ray standing waves. <i>Physical Review B</i> , 2007, 76, .	3.2	17
85	Structural origin of perpendicular magnetic anisotropy in epitaxial CoPt ₃ nanostructures grown on WSe ₂ (0001). <i>Physical Review B</i> , 2010, 81, .	3.2	17
86	Structural origin of perpendicular magnetic anisotropy in epitaxial CoPt ₃ nanostructures grown on WSe ₂ (0001). <i>Physical Review B</i> , 2010, 81, . <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> <mml:math variant="normal">O</mml:mi><mml:mn>9</mml:mn></mml:msub></mml:mrow></mml:math> hexagonal perovskites in the light of spin-orbit coupling and local structural distortions. <i>Physical Review B</i> , 2018, 97, .	3.2	17
87	Coordination environment of Zn in foraminifera <i>Elphidium aculeatum</i> and <i>Quinqueloculina seminula</i> shells from a polluted site. <i>Chemical Geology</i> , 2018, 477, 100-111.	3.3	17
88	Mineralogy and Zn Chemical Speciation in a Soil-Plant System from a Metal-Extreme Environment: A Study on <i>Helichrysum microphyllum</i> subsp. <i>tyrrhenicum</i> (Campo Pisano Mine, SW Sardinia, Italy). <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 259.	2.0	17
89	An X-Ray Absorption Spectroscopy Study of the Zinc Environment in Langmuir-Blodgett Phospholipid Multilayers. <i>Biophysical Journal</i> , 2002, 83, 3507-3512.	0.5	16
90	Time-resolved X-ray powder diffraction on a three-way catalyst at the GILDA beamline. <i>Journal of Synchrotron Radiation</i> , 2003, 10, 177-182.	2.4	16

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91	Influence of the substrate on structure and magnetic properties of Co ²⁺ N thin films. Journal of Alloys and Compounds, 2015, 633, 470-478.	5.5	16
92	Plastics, (bio)polymers and their apparent biogeochemical cycle: An infrared spectroscopy study on foraminifera. Environmental Pollution, 2021, 279, 116912.	7.5	16
93	High-energy ion-beam mixing: A new route to form metallic nanoclusters in a dielectric matrix. Nuclear Instruments & Methods in Physics Research B, 1996, 115, 561-564.	1.4	15
94	Structural characterization of pumice-supported silver-palladium metal clusters by means of XAFS and AWAXS. European Physical Journal D, 1999, 7, 89-97.	1.3	15
95	GEMSTONES FROM VIGNA BARBERINI AT THE PALATINE HILL (ROME, ITALY)*. Archaeometry, 2011, 53, 469-489.	1.3	15
96	Stability of Jahn-Teller distortion ordering in LaMnO_3 . S^2 c^2 O^3	3.2	15
97	Evidence of structural modifications in the region around the broad dielectric maxima in the 30% Sn-doped barium titanate relaxor. Physical Review B, 2019, 100, .	3.2	15
98	Direct experimental evidence of an anomalous Co segregation in Co-Cu granular alloys and its influence on magnetoresistance. Europhysics Letters, 2002, 59, 855-861.	2.0	14
99	Antiferromagnetic ² paramagnetic insulating transition in Cr-doped V_2O_3 investigated by EXAFS analysis. Journal of Physics Condensed Matter, 2009, 21, 355401.	1.8	14
100	Inclusion Properties of Volatile Organic Compounds in a Calixarene-Based Organic Zeolite. Langmuir, 2012, 28, 8511-8517.	3.5	14
101	Impact of Paternal Age on Seminal Parameters and Reproductive Outcome of Intracytoplasmatic Sperm Injection in Infertile Italian Women. Frontiers in Endocrinology, 2019, 10, 35.	3.5	14
102	A Close Look into the Low Energy Region of the XAS Spectra: The XANES Region. , 2015, , 213-240.		14
103	RuO ₂ -based thick film resistors studied by extended x-ray absorption spectroscopy. Journal of Applied Physics, 1999, 86, 3590-3593.	2.5	13
104	Structural dichroism in the antiferromagnetic insulating phase of V_2O_3 . Physical Review B, 2005, 72, .	3.2	13
105	Uptake of Pb by hydrozincite, $\text{Zn}_5(\text{CO}_3)_2(\text{OH})_6$ Implications for remediation. Journal of Hazardous Materials, 2010, 177, 1138-1144.	12.4	13
106	Atomic-scale chemical fluctuation in LaSrVMoO_6 , a proposed half-metallic antiferromagnet. Physical Review B, 2010, 82, .	3.2	13
107	Co-Ir interface alloying induced by thermal annealing. Journal of Applied Physics, 2016, 120, .	2.5	13
108	Evolution of electronic and magnetic properties in a series of iridate double perovskites		

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109	Fluorinated hexagonal 4H SrMnO ₃ : a locally disordered manganite. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3560-3568.	5.5	13
110	Synchrotron radiation in the study of amorphous materials. <i>Journal of Non-Crystalline Solids</i> , 1998, 232-234, 25-37.	3.1	12
111	Local structure of Co and Ni in decagonal AlNiCo investigated by polarized EXAFS. <i>European Physical Journal B</i> , 2001, 19, 207-213.	1.5	12
112	Quantitative structural refinement of MnK edge XANES in LaMnO ₃ and CaMnO ₃ perovskites. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 246, 158-164.	1.4	12
113	X-ray measurements with micro- and nanoresolution at BESSY. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 622-625.	2.9	12
114	Magnesium K-edge EXAFS study of bond-length behavior in synthetic pyrope-grossular garnet solid solutions. <i>American Mineralogist</i> , 2008, 93, 495-498.	1.9	12
115	Superconducting and Structural Properties of Nb/PdNi/Nb Trilayers. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1939-1943.	1.8	12
116	Probing the local atomic structure in CoLa _{0.15} Fe _{1.85} O ₄ as a function of the synthesis method by multi edge XAFS. <i>Materials Research Express</i> , 2019, 6, 115502.	1.6	12
117	Vegetation Cover and Tumuli's Shape as Affecting Factors of Microclimate and Biodeterioration Risk for the Conservation of Etruscan Tombs (Tarquinia, Italy). <i>Sustainability</i> , 2021, 13, 3393.	3.2	12
118	Structure of a-Si _{1-x} C _x H alloys by wide-angle x-ray scattering: Detailed determination of first- and second-shell environment for Si and C atoms. <i>Physical Review B</i> , 1994, 50, 11535-11545.	3.2	11
119	Microstructure and magnetic properties of colloidal cobalt nano-clusters. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3565-3571.	2.3	11
120	Robustness of the d ⁰ transition against compositional and structural ageing in superconductor/ferromagnetic/superconductor heterostructures. <i>Physical Review B</i> , 2015, 92, .	3.2	11
121	Structural characterization of 3d metal adsorbed AgNPs. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 123, 114162.	2.7	11
122	Cu(I) and Cu(II) Complexes Based on Lonidamine-Conjugated Ligands Designed to Promote Synergistic Antitumor Effects. <i>Inorganic Chemistry</i> , 2022, 61, 4919-4937.	4.0	11
123	Local structure of Pr ³⁺ in fluorozirconate glasses. <i>Journal of Non-Crystalline Solids</i> , 1999, 256-257, 83-88.	3.1	10
124	Local structure of Sr ₂ FeMoxW _{1-x} O ₆ double perovskites across the composition-driven metal to insulator transition. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 195502.	1.8	10
125	Uptake of Cd in hydrozincite, Zn ₅ (CO ₃) ₂ (OH) ₆ : evidence from X-ray absorption spectroscopy and anomalous X-ray diffraction. <i>European Journal of Mineralogy</i> , 2010, 22, 557-564.	1.3	10
126	Microwave Properties of Nb/PdNi/Nb Trilayers. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 571-574.	1.8	10

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127	Structure of low-order hemimorphite produced in a Zn-rich environment by cyanobacterium <i>Leptolingbya frigida</i> . <i>American Mineralogist</i> , 2018, 103, 711-719.	1.9	10
128	Zinc incorporation in marine bivalve shells grown in mine-polluted seabed sediments: a case study in the Malfidano mining area (SW Sardinia, Italy). <i>Environmental Science and Pollution Research</i> , 2018, 25, 36645-36660.	5.3	10
129	Designing an Optimal Ion Adsorber at the Nanoscale: The Unusual Nucleation of AgNP/Co ²⁺ /Ni ²⁺ Binary Mixtures. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3855-3860.	3.1	10
130	Gallium- and Iron-Pyoverdine Coordination Compounds Investigated by X-ray Photoelectron Spectroscopy and X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 2019, 58, 4935-4944.	4.0	10
131	Development of new and efficient copper(II) complexes of hexyl bis(pyrazolyl)acetate ligands as catalysts for allylic oxidation. <i>Dalton Transactions</i> , 2020, 49, 15622-15632.	3.3	10
132	A structural study of Sr metaphosphate glass by anomalous X-ray scattering and EXAFS spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1998, 232-234, 607-612.	3.1	9
133	Thermodynamic behaviour of the high-temperature $\text{SrAl}_2\text{Si}_2\text{O}_8$ phase transition along the $\text{CaAl}_2\text{Si}_2\text{O}_8$ - $\text{SrAl}_2\text{Si}_2\text{O}_8$ join. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 314-321.	0.8	9
134	In situ high-temperature synchrotron powder diffraction study of the thermal decomposition of cement-asbestos. <i>Powder Diffraction</i> , 2008, 23, 323-328.	0.2	9
135	Diffraction anomalous fine structure study of iron/iron oxide nanoparticles. <i>Journal of Applied Crystallography</i> , 2009, 42, 642-648.	4.5	9
136	Ligands involved in Pb immobilization and transport in lettuce, radish, tomato and Italian ryegrass. <i>Journal of Plant Nutrition and Soil Science</i> , 2014, 177, 766-774.	1.9	9
137	Formation of two-dimensional ordered nanodomains and curious properties of Sr ₃ FeMoO ₇ . <i>Journal of Materials Chemistry C</i> , 2015, 3, 8127-8131.	5.5	9
138	Metal-insulator transition in Ba ₃ Fe _{1-x} Ru _{2+x} O ₉ : Interplay between site disorder, chemical percolation, and electronic structure. <i>Physical Review B</i> , 2016, 94, . Cationic order versus La-O covalency in $\text{La}_x\text{A}_{1-x}\text{O}_6$ perovskites . <i>Physical Review B</i> , 2017, 95, .	3.2	9
139	$\text{La}_x\text{A}_{1-x}\text{O}_6$ (Ca, Ba) double perovskites. <i>Physical Review B</i> , 2017, 95, .	3.2	9
140	Assessment of sexual and emotional distress in infertile couple: validation of a new specific psychometric tool. <i>Journal of Endocrinological Investigation</i> , 2020, 43, 1729-1737.	3.3	9
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142	EXAFS studies of iodine-doped poly(octylthiophene). <i>Synthetic Metals</i> , 1999, 101, 363-364.	3.9	8
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