

Carlo Meneghini

List of Publications by Year in descending order

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docs citations

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times ranked

6315
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Reentrant phenomenon in the diffuse ferroelectric BaSnO_3 : Phase inhomogeneity and inapplicability of the Landau theory. Physical Review B, 2021, 104, . | 3.2 | 5 |
| 20 | description in dilute doped IrO_2 . Re-examining the nature of ordering in CaVnO . Physical Review B, 2021, 104, . | 3.2 | 1 |
| 21 | Si^{21+} altimg="si21.svg" />: The role of Mn-O covalency in the local structure. Physica B: Condensed Matter, 2020, 501, 411837. | 2.7 | 1 |
| 22 | Development of new and efficient copper(II) complexes of hexyl bis(pyrazolyl)acetate ligands as catalysts for allylic oxidation. Dalton Transactions, 2020, 49, 15622-15632. | 3.3 | 10 |
| 23 | 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 |
| 24 | Coagulating and flocculating ferrihydrite: application of zinc acetate salt. Environmental Science: Water Research and Technology, 2020, 6, 2057-2064. | 2.4 | 4 |
| 25 | Melting Curve and Phase Relations of Fe-Ni Alloys: Implications for the Earth's Core Composition. Geophysical Research Letters, 2020, 47, e2020GL088169. | 4.0 | 21 |
| 26 | Mineralogy and Zn Chemical Speciation in a Soil-Plant System from a Metal-Extreme Environment: A Study on Helichrysum microphyllum subsp. tyrrhenicum (Campo Pisano Mine, SW Sardinia, Italy). Minerals (Basel, Switzerland), 2020, 10, 259. | 2.0 | 17 |
| 27 | Structural characterization of 3d metal adsorbed AgNPs. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 123, 114162. | 2.7 | 11 |
| 28 | Swelling of Steel Film by Hydrogen Absorption at Cathodic Potential in Electrolyte. Physica Status Solidi (B): Basic Research, 2020, 257, 2000055. | 1.5 | 3 |
| 29 | Assessment of sexual and emotional distress in infertile couple: validation of a new specific psychometric tool. Journal of Endocrinological Investigation, 2020, 43, 1729-1737. | 3.3 | 9 |
| 30 | Natural attenuation can lead to environmental resilience in mine environment. Applied Geochemistry, 2020, 117, 104597. | 3.0 | 19 |
| 31 | Resonant-XRD Characterization of Nanoalloyed Au-Pd Catalysts for the Direct Synthesis of H ₂ O ₂ : Quantitative Analysis of Size Dependent Composition of the Nanoparticles. Applied Sciences (Switzerland), 2019, 9, 2959. | 2.5 | 4 |
| 32 | 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 |
| 33 | Probing the local atomic structure in $\text{Co}_{0.15}\text{Fe}_{1.85}\text{O}_4$ as a function of the synthesis method by multi edge XAFS. Materials Research Express, 2019, 6, 115502. | 1.6 | 12 |
| 34 | Evolution of electronic and magnetic properties in a series of iridate double perovskites | | |

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| 37 | Identifying the nature of dielectric anomalies in SrFeO ₃ . Journal of Magnetism and Magnetic Materials, 2019, 486, 165265. | 2.3 | 0 |
| 38 | An evidence of local structural disorder across spin-reorientation transition in DyFeO ₃ : an extended x-ray absorption fine structure (EXAFS) study. Journal of Physics Condensed Matter, 2019, 31, 345403. | 1.8 | 1 |
| 39 | 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 |
| 40 | Gallium- and Iron-Pyoverdine Coordination Compounds Investigated by X-ray Photoelectron Spectroscopy and X-ray Absorption Spectroscopy. Inorganic Chemistry, 2019, 58, 4935-4944. | 4.0 | 10 |
| 41 | Fluorinated hexagonal 4H SrMnO ₃ : a locally disordered manganite. Journal of Materials Chemistry C, 2019, 7, 3560-3568. | 5.5 | 13 |
| 42 | Evolution of magnetic properties in F-doped brownmillerite Ca ₂ Fe ₂ O ₅ . Materials Research Express, 2019, 6, 026103. | 1.6 | 5 |
| 43 | Impact of Zn excess on biomineralization processes in Juncus acutus grown in mine polluted sites. Journal of Hazardous Materials, 2019, 370, 98-107. | 12.4 | 35 |
| 44 | Effectiveness of Co intercalation between Graphene and Ir(1 1 1). Chemical Physics Letters, 2018, 697, 7-11. | 2.6 | 4 |
| 45 | Development of half metallicity within mixed magnetic phase of Cu _{1-x} Co _x MnSb alloy. Journal of Physics Condensed Matter, 2018, 30, 205802. | 1.8 | 4 |
| 46 | hexagonal perovskites in the light of spin-orbit coupling and local structural distortions. Physical Review B, 2018, 97, . | 3.2 | 17 |
| 47 | Coordination environment of Zn in foraminifera Elphidium aculeatum and Quinqueloculina seminula shells from a polluted site. Chemical Geology, 2018, 477, 100-111. | 3.3 | 17 |
| 48 | 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 |
| 49 | Structure of low-order hemimorphite produced in a Zn-rich environment by cyanobacterium Leptolingbya frigida. American Mineralogist, 2018, 103, 711-719. | 1.9 | 10 |
| 50 | Zinc incorporation in marine bivalve shells grown in mine-polluted seabed sediments: a case study in the Malfidano mining area (SW Sardinia, Italy). Environmental Science and Pollution Research, 2018, 25, 36645-36660. | 5.3 | 10 |
| 51 | Origin of magnetic moments and presence of spin-orbit singlets in Ba ₂ YIrO ₆ . Physical Review B, 2018, 98, . | 3.2 | 27 |
| 52 | Co film stretching induced by lattice mismatch and annealing: The role of Graphene. Applied Surface Science, 2018, 432, 22-26. | 6.1 | 3 |
| 53 | Effect of Ni doping on the magnetic and electronic properties of half heusler Cu ₁ -Ni MnSb alloys. Journal of Alloys and Compounds, 2018, 764, 656-664. | 5.5 | 5 |
| 54 | 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 |

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| 55 | Understanding the biomimetic properties of gallium in Pseudomonas aeruginosa: an XAS and XPS study. Dalton Transactions, 2017, 46, 7082-7091. | 3.3 | 8 |
| 56 | 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 |
| 57 | 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. | 3.2 | 9 |
| 58 | The Effect of Hydrostatic Pressure on the Superconducting and Structural Properties of Nb ₃ Sn: Ab-initio Modeling and SR-XRD Investigation. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5. | 1.7 | 7 |
| 59 | Stability of biological and inorganic hemimorphite: Implications for hemimorphite precipitation in non-sulfide Zn deposits. Ore Geology Reviews, 2017, 89, 808-821. | 2.7 | 22 |
| 60 | 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 |
| 61 | Synthesis and Structural Characterization of Silver Nanoparticles Stabilized with 3-Mercapto-1-Propansulfonate and 1-Thioglucoose Mixed Thiols for Antibacterial Applications. Materials, 2016, 9, 1028. | 2.9 | 58 |
| 62 | Efficient artificial mineralization route to decontaminate Arsenic(III) polluted water - the Tooeleite Way. Scientific Reports, 2016, 6, 26031. | 3.3 | 18 |
| 63 | Co-Ir interface alloying induced by thermal annealing. Journal of Applied Physics, 2016, 120, . | 2.5 | 13 |
| 64 | High-temperature and high-pressure behavior of carbonates in the ternary diagram CaCO ₃ -MgCO ₃ -FeCO ₃ . American Mineralogist, 2016, 101, 1423-1430. | 1.9 | 22 |
| 65 | Metal-insulator transition in Ba ₃ Fe _{1-x} Ru _{2+x} O ₉ : Interplay between site disorder, chemical percolation, and electronic structure. Physical Review B, 2016, 94, . | 3.2 | 9 |
| 66 | Origin of the Spin-Orbital Liquid State in a Nearly J ₁ Iridate. Physical Review B, 2016, 94, . | 7.8 | 58 |
| 67 | Structure and magnetism of cobalt at high pressure and low temperature. Physical Review B, 2016, 94, . | 3.2 | 18 |
| 68 | Dependence of the Jahn-Teller distortion in LaMn _{1-x} Sc _x O ₃ on the isovalent Mn-site substitution. Journal of Physics: Conference Series, 2016, 712, 012119. | 0.4 | 4 |
| 69 | Signature of covalency and disorder on the dielectric and magnetic properties of Ba ₆ Co ₆ ClO ₁₆ . Journal of Electron Spectroscopy and Related Phenomena, 2016, 207, 19-23. | 1.7 | 0 |
| 70 | High temperature stability of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} and La _{0.6} Sr _{0.4} Co ₁ Fe _{0.3} O _{3-δ} oxygen separation perovskite membranes. Journal of the European Ceramic Society, 2016, 36, 1679-1690. | 5.7 | 32 |
| 71 | Robustness of the S ₁ transition against compositional and structural ageing in superconductor/ferromagnetic/superconductor heterostructures. Physical Review B, 2015, 92, . | 3.2 | 15 |
| 72 | Robustness of the S ₁ transition against compositional and structural ageing in superconductor/ferromagnetic/superconductor heterostructures. Physical Review B, 2015, 92, . | 3.2 | 11 |

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| 73 | 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 |
| 74 | Binding of bis-(2-ethylhexyl) phthalate at the surface of hydrozincite nanocrystals: An example of organic molecules absorption onto nanocrystalline minerals. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 298-306. | 9.4 | 8 |
| 75 | Influence of the substrate on structure and magnetic properties of Co-N thin films. <i>Journal of Alloys and Compounds</i> , 2015, 633, 470-478. | 5.5 | 16 |
| 76 | 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 |
| 77 | Microscopic Processes Ruling the Bioavailability of Zn to Roots of <i>Euphorbia pithyusa</i> L. Pioneer Plant. <i>Environmental Science & Technology</i> , 2015, 49, 1400-1408. | 10.0 | 42 |
| 78 | 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 |
| 79 | 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 |
| 80 | A Close Look into the Low Energy Region of the XAS Spectra: The XANES Region. , 2015, , 213-240. | | 14 |
| 81 | 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 |
| 82 | Oxidative Stress Induces Persistent Telomeric DNA Damage Responsible for Nuclear Morphology Change in Mammalian Cells. <i>PLoS ONE</i> , 2014, 9, e110963. | 2.5 | 144 |
| 83 | Covalency-driven structural instability and spin-phonon coupling in barium cobalt oxychloride. <i>Physical Review B</i> , 2014, 90, . | 3.2 | 4 |
| 84 | 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 |
| 85 | 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 |
| 86 | 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 |
| 87 | 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 |
| 88 | Investigating the development of spurious magnetism in single crystalline BaTi _{0.95} Fe _{0.05} O ₃ with high μ by local structural probes. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 196001. | 1.8 | 5 |
| 89 | 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 |
| 90 | Structural, electrical, and magnetic properties of Ba _{0.9} Ca _{0.1} Ti _{0.97} Fe _{0.03} O ₃ and the effect of oxygen vacancies. <i>Journal of Applied Physics</i> , 2013, 114, . | 2.5 | 5 |

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| 91 | Superconducting and Structural Properties of Nb/PdNi/Nb Trilayers. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1939-1943. | 1.8 | 12 |
| 92 | Microwave Properties of Nb/PdNi/Nb Trilayers. Journal of Superconductivity and Novel Magnetism, 2013, 26, 571-574. | 1.8 | 10 |
| 93 | Microscopic distribution of metal dopants and anion vacancies in Fe-doped BaTiO ₃ single crystals. Journal of Physics Condensed Matter, 2013, 25, 236002. | 1.8 | 18 |
| 94 | Versatile plug flow catalytic cell for in situ transmission/fluorescence x-ray absorption fine structure measurements. Review of Scientific Instruments, 2013, 84, 054102. | 1.3 | 7 |
| 95 | Transport properties of Nb/PdNi/Nb trilayers at microwave frequencies. , 2013, , . | | 0 |
| 96 | Pressure-induced structural and magnetic phase transitions in ordered and disordered equiatomic FeCo. Physical Review B, 2013, 88, . | 3.2 | 7 |
| 97 | Evidence of oxygen-vacancy-induced ferromagnetic order in single crystal Mn-doped SrTiO ₃ . Applied Physics Letters, 2012, 101, 042406. | 3.3 | 36 |
| 98 | Signature of an antiferromagnetic metallic ground state in heavily electron-doped Sr ₂ FeMoO ₆ . Physical Review B, 2012, 86, . | 3.2 | 22 |
| 99 | LaSrVMoO ₆ : A case study for A-site covalency-driven local cationic order in double perovskites. Physical Review B, 2012, 86, . | 3.2 | 5 |
| 100 | Effects of thermal annealing on the magnetic interactions in nanogranular Fe/Ag thin films. Journal of Alloys and Compounds, 2012, 536, S271-S276. | 5.5 | 3 |
| 101 | Interfacial magnetic coupling between Fe nanoparticles in Fe/Ag granular alloys. Nanotechnology, 2012, 23, 025705. | 2.6 | 24 |
| 102 | ESTRA-FitEXA: A software package for EXAFS data analysis. Nuclear Instruments & Methods in Physics Research B, 2012, 285, 153-157. | 1.4 | 74 |
| 103 | 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 |
| 104 | Inclusion Properties of Volatile Organic Compounds in a Calixarene-Based Organic Zeolite. Langmuir, 2012, 28, 8511-8517. | 3.5 | 14 |
| 105 | Structural and magnetic study of La doped multiferroic BiFeO ₃ . , 2012, , . | | 2 |
| 106 | Protective Effects of L-Dopa and Carbidopa Combined Treatments on Human Catecholaminergic Cells. DNA and Cell Biology, 2012, 31, 1572-1579. | 1.9 | 27 |
| 107 | High temperature extended x-ray absorption fine structure study of multiferroic BiFeO ₃ . Journal of Physics Condensed Matter, 2012, 24, 336005. | 1.8 | 3 |
| 108 | Structure and magnetism in compressed iron/cobalt alloys. High Pressure Research, 2011, 31, 148-152. | 1.2 | 5 |

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| 109 | Arsenic uptake by natural calcite: An XAS study. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3011-3023. | 3.9 | 68 |
| 110 | GEMSTONES FROM VIGNA BARBERINI AT THE PALATINE HILL (ROME, ITALY)*. <i>Archaeometry</i> , 2011, 53, 469-489. | 1.3 | 15 |
| 111 | Temperature-resolved synchrotron X-ray diffraction of nanocrystalline titania in solvent: the effect of Cr ³⁺ and V ⁵⁺ doping. <i>Journal of Nanoparticle Research</i> , 2011, 13, 711-719. | 1.9 | 4 |
| 112 | XAS study of lead speciation in a central Italy calcareous soil. <i>Environmental Science and Pollution Research</i> , 2011, 18, 669-676. | 5.3 | 3 |
| 113 | Classlike ordering and spatial inhomogeneity of magnetic structure in Ba ₃ FeRu ₂ Ba_3FeRu | 3.2 | 22 |
| 114 | Identifying the structure of the active sites of human recombinant prolidase. <i>European Biophysics Journal</i> , 2010, 39, 935-945. | 2.2 | 30 |
| 115 | Uptake of Pb by hydrozincite, Zn ₅ (CO ₃) ₂ (OH) ₆ Implications for remediation. <i>Journal of Hazardous Materials</i> , 2010, 177, 1138-1144. | 12.4 | 13 |
| 116 | Microstructure and magnetic properties of colloidal cobalt nano-clusters. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3565-3571. | 2.3 | 11 |
| 117 | Atomic-scale chemical fluctuation in LaSrVMoO ₆ , a proposed half-metallic antiferromagnet. <i>Physical Review B</i> , 2010, 82, . | 3.2 | 13 |
| 118 | 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 |
| 119 | Magnetic properties of colloidal cobalt nanoclusters. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072100. | 0.4 | 0 |
| 120 | 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 |
| 121 | Eu doping in multiferroic BiFeO ₃ ceramics studied by Mossbauer and EXAFS spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 356001. | 1.8 | 42 |
| 122 | High Yield Synthesis of Pure Alkanethiolate-Capped Silver Nanoparticles. <i>Langmuir</i> , 2010, 26, 15561-15566. | 3.5 | 32 |
| 123 | Solvent Induced Pseudopolymorphism in a Calixarene-Based Porous Host Framework. <i>Crystal Growth and Design</i> , 2010, 10, 1527-1533. | 3.0 | 34 |
| 124 | Influence of the interface on the electronic channel switching of a Fe ²⁺ /Ag thin film on a Si substrate. <i>Applied Physics Letters</i> , 2009, 95, . | 3.3 | 3 |
| 125 | Local structure of Sr ₂ FeMo _x W _{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 |
| 126 | Antiferromagnetic to paramagnetic insulating transition in Cr-doped V ₂ O ₃ investigated by EXAFS analysis. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 355401. | 1.8 | 14 |

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| 127 | Nature of "Disorder" in the Ordered Double Perovskite $\text{Sr}_2\text{FeMoO}_6$. Physical Review Letters, 2009, 103, 046403. | 7.8 | 143 |
| 128 | Diffraction anomalous fine structure study of iron/iron oxide nanoparticles. Journal of Applied Crystallography, 2009, 42, 642-648. | 4.5 | 9 |
| 129 | In situ synchrotron powder diffraction study of the thermal decomposition of cement-asbestos: Preliminary results. Zeitschrift für Kristallographie, Supplement, 2009, 2009, 353-358. | 0.5 | 2 |
| 130 | Depth resolved structural study of heavy ion induced phase formation in Si/Fe/Si trilayer. Hyperfine Interactions, 2008, 185, 9-15. | 0.5 | 4 |
| 131 | Depth resolved structural study of heavy ion induced phase formation in Si/Fe/Si trilayer. , 2008, , 689-695. | | 0 |
| 132 | Nanoscale Characterization of Metal Nanoclusters by Means of X-Ray Diffraction (XRD) and Transmission Electron Microscopy (TEM) Techniques. , 2008, , 129-147. | | 8 |
| 133 | Magnesium K-edge EXAFS study of bond-length behavior in synthetic pyrope-grossular garnet solid solutions. American Mineralogist, 2008, 93, 495-498. | 1.9 | 12 |
| 134 | Mixed Mobile Ion Effect and Cooperative Motions in Silver-Sodium Phosphate Glasses. Physical Review Letters, 2008, 101, 195901. | 7.8 | 34 |
| 135 | In situ high-temperature synchrotron powder diffraction study of the thermal decomposition of cement-asbestos. Powder Diffraction, 2008, 23, 323-328. | 0.2 | 9 |
| 136 | Properties of ultra-thin vanadium layers in V/Ru superlattices. Journal of Physics Condensed Matter, 2007, 19, 486005. | 1.8 | 1 |
| 137 | Interface structure in magnetic multilayers using x-ray standing waves. Physical Review B, 2007, 75, . | 3.2 | 26 |
| 138 | The early hydration and the set of Portland cements: In situ X-ray powder diffraction studies. Powder Diffraction, 2007, 22, 201-208. | 0.2 | 26 |
| 139 | Depth-resolved x-ray absorption fine structure study of Fe ²⁺ /Si interfaces using x-ray standing waves. Physical Review B, 2007, 76, . | 3.2 | 17 |
| 140 | Depth resolved x-ray absorption fine structure study in magnetic multilayers using x-ray standing waves. Journal of Applied Physics, 2007, 101, 09D117. | 2.5 | 6 |
| 141 | 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 |
| 142 | X-ray measurements with micro- and nanoresolution at BESSY. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 622-625. | 2.9 | 12 |
| 143 | Synchrotron radiation XRPD study on the early hydration of cements. Zeitschrift für Kristallographie, Supplement, 2007, 2007, 411-416. | 0.5 | 6 |
| 144 | Local structure and magneto-transport in Sr ₂ FeMoO ₆ oxides. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 189-193. | 1.4 | 5 |

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| 145 | Quantitative structural refinement of MnK edge XANES in LaMnO ₃ and CaMnO ₃ perovskites. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 158-164. | 1.4 | 12 |
| 146 | XAFS study on Sr ₂ FeMoxW _{1-x} O ₆ double perovskite series. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 226-229. | 3.5 | 1 |
| 147 | Combined fibre-optic sensor for colour and refractive index (CI) monitoring. Measurement Science and Technology, 2006, 17, 1134-1139. | 2.6 | 5 |
| 148 | Crystallization on heating and complex phase behavior of β -cyclodextrin solutions. Journal of Chemical Physics, 2006, 125, 154504. | 3.0 | 20 |
| 149 | X-ray Diffraction and Scattering. ChemInform, 2005, 36, no. | 0.0 | 1 |
| 150 | Thermodynamic behaviour of the high-temperature $\text{CaAl}_2\text{Si}_2\text{O}_8 \leftrightarrow \text{SrAl}_2\text{Si}_2\text{O}_8$ phase transition along the CaAl ₂ Si ₂ O ₈ –SrAl ₂ Si ₂ O ₈ join. Physics and Chemistry of Minerals, 2005, 32, 314-321. | 0.8 | 9 |
| 151 | RIETVELD REFINEMENT OF CLINOPYROXENES WITH INTERMEDIATE Ca-CONTENT ALONG THE JOIN DIOPSIDE ENSTATITE. Canadian Mineralogist, 2005, 43, 1411-1421. | 1.0 | 18 |
| 152 | The Cr local structure in epitaxial CrPt ₃ (111) films probed using polarized x-ray absorption fine structure. Journal of Physics Condensed Matter, 2005, 17, 2529-2541. | 1.8 | 8 |
| 153 | Structural dichroism in the antiferromagnetic insulating phase of V ₂ O ₃ . Physical Review B, 2005, 72, . | 3.2 | 13 |
| 154 | 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 |
| 155 | Local Structure of Sr ₂ FeMoxW _{1-x} O ₆ Double Perovskites Studied by EXAFS. Physica Scripta, 2005, , 457. | 2.5 | 1 |
| 156 | The order-disorder character of FeOHSO ₄ obtained from the thermal decomposition of metahohmannite, Fe ₃ +2(H ₂ O) ₄ [O(SO ₄) ₂]. American Mineralogist, 2005, 90, 679-686. | 1.9 | 21 |
| 157 | Structural properties determining the ionic conductivity of CsI-doped AgPO ₃ glasses. Physical Review B, 2004, 69, . | 3.2 | 5 |
| 158 | Inter- and Intra-octarepeat Cu(II) Site Geometries in the Prion Protein. Journal of Biological Chemistry, 2004, 279, 11753-11759. | 3.4 | 81 |
| 159 | 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. Journal of Applied Crystallography, 2004, 37, 890-900. | 4.5 | 21 |
| 160 | Structural characterization of epitaxial Fe/Cr multilayers using anomalous X-ray and neutron reflectivity. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1219-1220. | 2.3 | 8 |
| 161 | Magnetotransport properties and local atomic order around Fe in Fe ₃₀ Ag ₇₀ thin films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1397-E1398. | 2.3 | 0 |
| 162 | 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 |

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| 163 | Microarchitectural and Physical Changes During Fetal Growth in Human Vertebral Bone. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 760-768. | 2.8 | 60 |
| 164 | The high-temperature P2/c1?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 |
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