

Cleanio Luz-Lima

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Synthesis of molybdenum oxide on AISI-316 steel using cathodic cage plasma deposition at cathodic and floating potential. <i>Surface and Coatings Technology</i> , 2021, 406, 126650. | 4.8 | 19 |
| 2 | Temperature-dependent phonon dynamics of Ag ₃ PO ₄ microcrystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119339. | 3.9 | 4 |
| 3 | Detecting surface-breaking flaws with a Hall effect gradiometric sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 171, 108808. | 5.0 | 3 |
| 4 | Blue-light-excited NaCe(MoO ₄) ₂ microcrystals for photoelectrochemical water splitting. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 615-621. | 2.1 | 3 |
| 5 | Evaluation of Corrosion Resistance of Thin Films Formed on AISI 316L Steel by Plasma Using Hastelloy as Cathodic Cage. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000578. | 1.8 | 1 |
| 6 | Effects of the Incorporation of Distinct Cations in Titanate Nanotubes on the Catalytic Activity in NO _x Conversion. <i>Materials</i> , 2021, 14, 2181. | 2.9 | 6 |
| 7 | Magnetic Characterization by Scanning Microscopy of Functionalized Iron Oxide Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 2197. | 4.1 | 10 |
| 8 | Characterization and Evaluation of Layered Bi ₂ WO ₆ Nanosheets as a New Antibacterial Agent. <i>Antibiotics</i> , 2021, 10, 1068. | 3.7 | 6 |
| 9 | Growth of λ -Fe ₂ O ₃ thin films by plasma deposition: Studies of structural, morphological, electrochemical, and thermal-optical properties. <i>Thin Solid Films</i> , 2021, 736, 138919. | 1.8 | 2 |
| 10 | Co-doped λ -MoO ₃ hierarchical microrods: Synthesis, structure and phonon properties. <i>Ceramics International</i> , 2021, 47, 27778-27788. | 4.8 | 25 |
| 11 | Temperature dependence Raman spectroscopy and DFT calculations of Bi ₂ (MoO ₄) ₃ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117340. | 3.9 | 10 |
| 12 | Low-temperature induced phase transitions in BaWO ₄ :Er ³⁺ microcrystals: A Raman scattering study. <i>Journal of Molecular Structure</i> , 2020, 1204, 127498. | 3.6 | 10 |
| 13 | Novel scanning magnetic microscopy method for the characterization of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 499, 166300. | 2.3 | 16 |
| 14 | Temperature- and power-dependent phonon properties of suspended few layers of tungsten diselenide. <i>Vibrational Spectroscopy</i> , 2020, 111, 103169. | 2.2 | 10 |
| 15 | Temperature-induced phase transitions in metastable λ -Ag ₂ WO ₄ : a Raman scattering study. <i>Vibrational Spectroscopy</i> , 2020, 110, 103135. | 2.2 | 2 |
| 16 | Mo-doped WO ₃ nanowires for adsorbing methylene blue dye from wastewater. <i>Journal of Materials Science</i> , 2020, 55, 6429-6440. | 3.7 | 15 |
| 17 | Synthesis of silver-cerium titanate nanotubes and their surface properties and antibacterial applications. <i>Materials Science and Engineering C</i> , 2020, 115, 111051. | 7.3 | 26 |
| 18 | Novel synthesis of molybdenum nitride/oxide on AISI-316 steel assisted with active screen plasma treatment. <i>Materials Research Express</i> , 2019, 6, 116501. | 1.6 | 6 |

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|----|---|-----|-----------|
| 19 | Characterizing Complex Mineral Structures in Thin Sections of Geological Samples with a Scanning Hall Effect Microscope. <i>Sensors</i> , 2019, 19, 1636. | 3.8 | 8 |
| 20 | One-Pot Synthesis of Titanate Nanotubes Decorated with Anatase Nanoparticles Using a Microwave-Assisted Hydrothermal Reaction. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-10. | 2.7 | 16 |
| 21 | Scanning Magnetic Microscope Using a Gradiometric Configuration for Characterization of Rock Samples. <i>Materials</i> , 2019, 12, 4154. | 2.9 | 7 |
| 22 | Antibacterial properties and modulation analysis of antibiotic activity of NaCe(MoO ₄) ₂ microcrystals. <i>Microbial Pathogenesis</i> , 2019, 126, 258-262. | 2.9 | 8 |
| 23 | Temperature-induced isostructural phase transition on NaCe(MoO ₄) ₂ system: A Raman scattering study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 208, 229-235. | 3.9 | 13 |
| 24 | Synthesis, characterizations, and antibacterial properties of PbMoO ₄ nanocrystals. <i>Arabian Journal of Chemistry</i> , 2018, 11, 739-746. | 4.9 | 12 |
| 25 | Development of Co ₃ [Co(CN) ₆] ₂ /Fe ₃ O ₄ Bifunctional Nanocomposite for Clinical Sensor Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 4283-4293. | 5.0 | 26 |
| 26 | Temperature-induced phase transition in h-MoO ₃ : Stability loss mechanism uncovered by Raman spectroscopy and DFT calculations. <i>Vibrational Spectroscopy</i> , 2018, 98, 98-104. | 2.2 | 35 |
| 27 | Modulation of antibiotic effect by Fe ₂ (MoO ₄) ₃ microstructures. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 123, 295-300. | 4.0 | 9 |
| 28 | Vibrational properties of L-cysteine hydrochloride monohydrate crystal under high-pressure. <i>Vibrational Spectroscopy</i> , 2018, 98, 92-97. | 2.2 | 5 |
| 29 | Raman spectroscopy under high pressures and DFT calculations of the amino acid l-glutamine. <i>Vibrational Spectroscopy</i> , 2018, 98, 69-76. | 2.2 | 6 |
| 30 | Laser-induced thermal effects in hexagonal MoO ₃ nanorods. <i>Vibrational Spectroscopy</i> , 2018, 98, 145-151. | 2.2 | 12 |
| 31 | Î ² -Ag ₂ MoO ₄ microcrystals: Characterization, antibacterial properties and modulation analysis of antibiotic activity. <i>Biomedicine and Pharmacotherapy</i> , 2017, 86, 242-247. | 5.6 | 39 |
| 32 | NaCe(MoO ₄) ₂ microcrystals: Hydrothermal synthesis, characterization and photocatalytic performance. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 111, 258-265. | 4.0 | 16 |
| 33 | Photoluminescence Enhancement of Titanate Nanotubes by Insertion of Rare Earth Ions in Their Interlayer Spaces. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-9. | 2.7 | 19 |
| 34 | Î±-l-Glutamic acid under high pressure: Phase transitions studied by Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2016, 86, 343-349. | 2.2 | 10 |
| 35 | Temperature- and power-dependent phonon properties of suspended continuous WS ₂ monolayer films. <i>Vibrational Spectroscopy</i> , 2016, 86, 270-276. | 2.2 | 15 |
| 36 | High-pressure Raman scattering on Fe ₂ (MoO ₄) ₃ microcrystals obtained by a hydrothermal method. <i>Vibrational Spectroscopy</i> , 2016, 87, 88-93. | 2.2 | 17 |

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|----|---|-----|-----------|
| 37 | Phonon properties of β -Ag ₂ MoO ₄ : Raman spectroscopy and ab initio calculations. Vibrational Spectroscopy, 2016, 86, 97-102. | 2.2 | 33 |
| 38 | (Ga,In)P nanowires grown without intentional catalyst. Journal of Crystal Growth, 2015, 431, 72-78. | 1.5 | 5 |
| 39 | High-pressure Raman scattering of MgMoO ₄ . Vibrational Spectroscopy, 2013, 68, 34-39. | 2.2 | 22 |
| 40 | Temperature-dependent Raman spectroscopy studies of phase transformations in the K ₂ WO ₄ and the MgMoO ₄ crystals. Vibrational Spectroscopy, 2013, 65, 58-65. | 2.2 | 17 |
| 41 | Pressure-induced crystal \leftrightarrow amorphous transformation in Y ₂ Mo ₃ O ₁₂ . Vibrational Spectroscopy, 2013, 68, 251-256. | 2.2 | 20 |
| 42 | Vibrational and structural properties in the dihydrate sodium tungstate and in the dihydrate sodium molybdate crystals. Journal of Molecular Structure, 2013, 1033, 154-161. | 3.6 | 11 |
| 43 | High pressure Raman spectra of β -form of L-glutamic acid. Vibrational Spectroscopy, 2012, 58, 181-187. | 2.2 | 24 |
| 44 | Pressure-induced phase transitions in multiferroic RbFe(MoO ₄) ₂ \cdot 2H ₂ O Raman scattering study. Journal of Solid State Chemistry, 2011, 184, 2812-2817. | 2.9 | 21 |
| 45 | Modifications of an HY zeolite for n-octane hydroconversion. Applied Catalysis A: General, 2011, 403, 65-74. | 4.3 | 11 |
| 46 | Temperature \leftrightarrow induced phase transformations in Na ₂ WO ₄ and Na ₂ MoO ₄ crystals. Journal of Raman Spectroscopy, 2011, 42, 799-802. | 2.5 | 44 |
| 47 | Nanocasted oxides for gas phase glycerol conversion. Applied Catalysis A: General, 2011, 399, 50-62. | 4.3 | 23 |
| 48 | Raman spectroscopy study of Na ₂ MoO ₄ \cdot 2H ₂ O and Na ₂ MoO ₄ under hydrostatic pressure. Journal of Raman Spectroscopy, 2010, 41, 576-581. | 2.5 | 23 |
| 49 | Pressure-induced phase transitions in ferroelectric Bi ₂ MoO ₆ \cdot 2H ₂ O a Raman scattering study. Journal of Physics Condensed Matter, 2010, 22, 015901. | 1.8 | 24 |
| 50 | High-pressure Raman spectra of L-isoleucine crystals. Solid State Communications, 2009, 149, 1553-1556. | 1.9 | 24 |