

Cleanio Luz-Lima

List of Publications by Year in descending order

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papers

749
citations

516561

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docs citations

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times ranked

957
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-induced phase transformations in Na ₂ WO ₄ and Na ₂ MoO ₄ crystals. Journal of Raman Spectroscopy, 2011, 42, 799-802.	1.2	44
2	Î ² -Ag ₂ MoO ₄ microcrystals: Characterization, antibacterial properties and modulation analysis of antibiotic activity. Biomedicine and Pharmacotherapy, 2017, 86, 242-247.	2.5	39
3	Temperature-induced phase transition in h-MoO ₃ : Stability loss mechanism uncovered by Raman spectroscopy and DFT calculations. Vibrational Spectroscopy, 2018, 98, 98-104.	1.2	35
4	Phonon properties of Î ² -Ag ₂ MoO ₄ : Raman spectroscopy and ab initio calculations. Vibrational Spectroscopy, 2016, 86, 97-102.	1.2	33
5	Development of Co ₃ [Co(CN) ₆] ₂ /Fe ₃ O ₄ Bifunctional Nanocomposite for Clinical Sensor Applications. ACS Applied Nano Materials, 2018, 1, 4283-4293.	2.4	26
6	Synthesis of silver-cerium titanate nanotubes and their surface properties and antibacterial applications. Materials Science and Engineering C, 2020, 115, 111051.	3.8	26
7	Co-doped Î±-MoO ₃ hierarchical microrods: Synthesis, structure and phonon properties. Ceramics International, 2021, 47, 27778-27788.	2.3	25
8	High-pressure Raman spectra of L-isoleucine crystals. Solid State Communications, 2009, 149, 1553-1556.	0.9	24
9	Pressure-induced phase transitions in ferroelectric Bi ₂ MoO ₆ – a Raman scattering study. Journal of Physics Condensed Matter, 2010, 22, 015901.	0.7	24
10	High pressure Raman spectra of Î ² -form of l-glutamic acid. Vibrational Spectroscopy, 2012, 58, 181-187.	1.2	24
11	Raman spectroscopy study of Na ₂ MoO ₄ ·2H ₂ O and Na ₂ MoO ₄ under hydrostatic pressure. Journal of Raman Spectroscopy, 2010, 41, 576-581.	1.2	23
12	Nanocasted oxides for gas phase glycerol conversion. Applied Catalysis A: General, 2011, 399, 50-62.	2.2	23
13	High-pressure Raman scattering of MgMoO ₄ . Vibrational Spectroscopy, 2013, 68, 34-39.	1.2	22
14	Pressure-induced phase transitions in multiferroic RbFe(MoO ₄) ₂ – a Raman scattering study. Journal of Solid State Chemistry, 2011, 184, 2812-2817.	1.4	21
15	Pressure-induced crystal-amorphous transformation in Y ₂ Mo ₃ O ₁₂ . Vibrational Spectroscopy, 2013, 68, 251-256.	1.2	20
16	Photoluminescence Enhancement of Titanate Nanotubes by Insertion of Rare Earth Ions in Their Interlayer Spaces. Journal of Nanomaterials, 2017, 2017, 1-9.	1.5	19
17	Synthesis of molybdenum oxide on AISI-316 steel using cathodic cage plasma deposition at cathodic and floating potential. Surface and Coatings Technology, 2021, 406, 126650.	2.2	19
18	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.	1.2	17

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19	High-pressure Raman scattering on Fe ₂ (MoO ₄) ₃ microcrystals obtained by a hydrothermal method. <i>Vibrational Spectroscopy</i> , 2016, 87, 88-93.	1.2	17
20	NaCe(MoO ₄) ₂ microcrystals: Hydrothermal synthesis, characterization and photocatalytic performance. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 111, 258-265.	1.9	16
21	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.	1.5	16
22	Novel scanning magnetic microscopy method for the characterization of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 499, 166300.	1.0	16
23	Temperature- and power-dependent phonon properties of suspended continuous WS ₂ monolayer films. <i>Vibrational Spectroscopy</i> , 2016, 86, 270-276.	1.2	15
24	Mo-doped WO ₃ nanowires for adsorbing methylene blue dye from wastewater. <i>Journal of Materials Science</i> , 2020, 55, 6429-6440.	1.7	15
25	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.	2.0	13
26	Synthesis, characterizations, and antibacterial properties of PbMoO ₄ nanocrystals. <i>Arabian Journal of Chemistry</i> , 2018, 11, 739-746.	2.3	12
27	Laser-induced thermal effects in hexagonal MoO ₃ nanorods. <i>Vibrational Spectroscopy</i> , 2018, 98, 145-151.	1.2	12
28	Modifications of an HY zeolite for n-octane hydroconversion. <i>Applied Catalysis A: General</i> , 2011, 403, 65-74.	2.2	11
29	Vibrational and structural properties in the dihydrate sodium tungstate and in the dihydrate sodium molybdate crystals. <i>Journal of Molecular Structure</i> , 2013, 1033, 154-161.	1.8	11
30	̂±-l-Glutamic acid under high pressure: Phase transitions studied by Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2016, 86, 343-349.	1.2	10
31	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.	2.0	10
32	Low-temperature induced phase transitions in BaWO ₄ :Er ³⁺ microcrystals: A Raman scattering study. <i>Journal of Molecular Structure</i> , 2020, 1204, 127498.	1.8	10
33	Temperature- and power-dependent phonon properties of suspended few layers of tungsten diselenide. <i>Vibrational Spectroscopy</i> , 2020, 111, 103169.	1.2	10
34	Magnetic Characterization by Scanning Microscopy of Functionalized Iron Oxide Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 2197.	1.9	10
35	Modulation of antibiotic effect by Fe ₂ (MoO ₄) ₃ microstructures. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 123, 295-300.	1.9	9
36	Characterizing Complex Mineral Structures in Thin Sections of Geological Samples with a Scanning Hall Effect Microscope. <i>Sensors</i> , 2019, 19, 1636.	2.1	8

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37	Antibacterial properties and modulation analysis of antibiotic activity of NaCe(MoO ₄) ₂ microcrystals. <i>Microbial Pathogenesis</i> , 2019, 126, 258-262.	1.3	8
38	Scanning Magnetic Microscope Using a Gradiometric Configuration for Characterization of Rock Samples. <i>Materials</i> , 2019, 12, 4154.	1.3	7
39	Raman spectroscopy under high pressures and DFT calculations of the amino acid l-glutamine. <i>Vibrational Spectroscopy</i> , 2018, 98, 69-76.	1.2	6
40	Novel synthesis of molybdenum nitride/oxide on AISI-316 steel assisted with active screen plasma treatment. <i>Materials Research Express</i> , 2019, 6, 116501.	0.8	6
41	Effects of the Incorporation of Distinct Cations in Titanate Nanotubes on the Catalytic Activity in NO _x Conversion. <i>Materials</i> , 2021, 14, 2181.	1.3	6
42	Characterization and Evaluation of Layered Bi ₂ WO ₆ Nanosheets as a New Antibacterial Agent. <i>Antibiotics</i> , 2021, 10, 1068.	1.5	6
43	(Ga,In)P nanowires grown without intentional catalyst. <i>Journal of Crystal Growth</i> , 2015, 431, 72-78.	0.7	5
44	Vibrational properties of L-cysteine hydrochloride monohydrate crystal under high-pressure. <i>Vibrational Spectroscopy</i> , 2018, 98, 92-97.	1.2	5
45	Temperature-dependent phonon dynamics of Ag ₃ PO ₄ microcrystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119339.	2.0	4
46	Detecting surface-breaking flaws with a Hall effect gradiometric sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 171, 108808.	2.5	3
47	Blue-light-excited NaCe(MoO ₄) ₂ microcrystals for photoelectrochemical water splitting. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 615-621.	1.1	3
48	Temperature-induced phase transitions in metastable β -Ag ₂ WO ₄ : a Raman scattering study. <i>Vibrational Spectroscopy</i> , 2020, 110, 103135.	1.2	2
49	Growth of α -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.	0.8	2
50	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.	0.8	1