

Gs Pinheiro

List of Publications by Year in descending order

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papers

549
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citing authors

#	ARTICLE	IF	CITATIONS
1	Biaxial Strain Transfer in Supported Graphene. <i>Nano Letters</i> , 2017, 17, 21-27.	9.1	46
2	Raman scattering studies of graphene under high pressure. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 121-129.	2.5	45
3	Phonon properties of $\hat{\Gamma}^2$ -Ag ₂ MoO ₄ : Raman spectroscopy and ab initio calculations. <i>Vibrational Spectroscopy</i> , 2016, 86, 97-102.	2.2	33
4	Co-doped $\hat{\Gamma}^2$ -MoO ₃ hierarchical microrods: Synthesis, structure and phonon properties. <i>Ceramics International</i> , 2021, 47, 27778-27788.	4.8	25
5	High-pressure Raman spectra of L-iso-leucine crystals. <i>Solid State Communications</i> , 2009, 149, 1553-1556.	1.9	24
6	High pressure Raman spectra of $\hat{\Gamma}^2$ -form of l-glutamic acid. <i>Vibrational Spectroscopy</i> , 2012, 58, 181-187.	2.2	24
7	Understanding the effect of solvent polarity on the polymorphism of octadecanoic acid through spectroscopic techniques and DFT calculations. <i>CrystEngComm</i> , 2019, 21, 297-309.	2.6	24
8	Metal oxides nanoparticles from complexes on SBA-15 for glycerol conversion. <i>Chemical Engineering Journal</i> , 2013, 228, 442-448.	12.7	23
9	Temperature-dependent Raman spectroscopy studies of phase transformations in the K ₂ WO ₄ and the MgMoO ₄ crystals. <i>Vibrational Spectroscopy</i> , 2013, 65, 58-65.	2.2	17
10	Leads from Physical, Chemical, and Thermal Characterization on Cytotoxic Effects of Xylan-Based Microparticles. <i>Polymers</i> , 2015, 7, 2304-2315.	4.5	17
11	Low-temperature phase transformation studies in the stearic acid: C form. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 148, 280-288.	3.9	17
12	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
13	Low-temperature Raman spectra of racemate DL-Alanine crystals. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 808-813.	2.5	16
14	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
15	Vibrational and structural properties of L-Alanyl-L-Phenylalanine dipeptide by Raman spectroscopy, infrared and DFT calculations. <i>Vibrational Spectroscopy</i> , 2018, 98, 128-133.	2.2	16
16	Temperature- and power-dependent phonon properties of suspended continuous WS ₂ monolayer films. <i>Vibrational Spectroscopy</i> , 2016, 86, 270-276.	2.2	15
17	Strain and Piezo-Doping Mismatch between Graphene Layers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11193-11199.	3.1	15
18	Synthesis, characterization and catalytic performance of metal-containing mesoporous carbons for styrene production. <i>Applied Catalysis A: General</i> , 2011, 395, 53-63.	4.3	13

#	ARTICLE	IF	CITATIONS
19	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
20	Synthesis, characterizations, and antibacterial properties of PbMoO ₄ nanocrystals. <i>Arabian Journal of Chemistry</i> , 2018, 11, 739-746.	4.9	12
21	Low-Temperature Phase Transition of Dodecanoic Acid Crystals: A Study Using Raman, Powder X-ray Diffraction, and Density Functional Theory Calculations. <i>Crystal Growth and Design</i> , 2020, 20, 281-290.	3.0	12
22	Low-Temperature Raman Spectra of l-Histidine Crystals. <i>Brazilian Journal of Physics</i> , 2013, 43, 137-144.	1.4	11
23	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.	3.6	11
24	±-l-Glutamic acid under high pressure: Phase transitions studied by Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2016, 86, 343-349.	2.2	10
25	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
26	High-pressure Raman spectra of l-histidine hydrochloride monohydrate crystal. <i>Vibrational Spectroscopy</i> , 2011, 57, 102-102.	2.2	8
27	Raman and IR studies of BaBi ₂ Ta ₂ O ₉ prepared by a sol-gel process. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1282-1286.	2.5	7
28	High-pressure Raman spectra and DFT calculations of l-tyrosine hydrochloride crystal. <i>Physica B: Condensed Matter</i> , 2018, 531, 35-44.	2.7	7
29	Phase transformation in the C form of myristic-acid crystals and DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 208, 97-108.	3.9	7
30	The temperature-dependent single-crystal Raman spectroscopy of a model dipeptide: l-Alanyl-l-alanine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 148, 244-249.	3.9	6
31	Raman spectroscopy of ¹³ C-aminobutyric acid under high pressure. <i>Vibrational Spectroscopy</i> , 2017, 92, 162-168.	2.2	6
32	High-pressure studies on l,l-dileucine crystals by Raman spectroscopy and synchrotron X-ray diffraction combined with DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117899.	3.9	6
33	Vibrational properties of L-cysteine hydrochloride monohydrate crystal under high-pressure. <i>Vibrational Spectroscopy</i> , 2018, 98, 92-97.	2.2	5
34	High-temperature Raman spectroscopy of L,L-diphenylalanine single-crystal. <i>Vibrational Spectroscopy</i> , 2018, 97, 75-84.	2.2	5
35	Effect of Fe (III) on L-asparagine monohydrate investigated under low- and high-temperature conditions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 241, 118643.	3.9	3
36	Temperature-induced phase transition in methyl dopa sesquihydrate revealed via X-ray diffraction, thermal analysis and Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2012, 62, 59-63.	2.2	2

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37	Pressure-induced phase transitions in acentric BaHf(BO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 2015, 228, 239-244.	2.9	2
38	Polymorphism at hexadecanoic-acid crystals investigated through structural and vibrational studies. <i>Vibrational Spectroscopy</i> , 2022, , 103402.	2.2	2
39	Low-temperature Raman spectra of the 2-(±-methylbenzylamino)-5-nitropyridine crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 209-217.	3.9	1