JosÃ© Gadelha da Silva Filho

List of Publications by Year
in descending order

31 papers	324 citations	933447 10 h-index	940533 16 g-index
31 all docs	31 docs citations	31 times ranked	523 citing authors

#	Article	IF	Citations
1	Temperature-induced phase transition in h-MoO3: Stability loss mechanism uncovered by Raman spectroscopy and DFT calculations. Vibrational Spectroscopy, 2018, 98, 98-104.	2.2	35
2	Phonon properties of Î²-Ag2MoO4: Raman spectroscopy and ab initio calculations. Vibrational Spectroscopy, 2016, 86, 97-102.	2.2	33
3	Understanding the effect of solvent polarity on the polymorphism of octadecanoic acid through spectroscopic techniques and DFT calculations. CrystEngComm, 2019, 21, 297-309.	2.6	24
4	Synthesis and Characterization of Nano-Particles of Niobium Pentoxide with Orthorhombic Symmetry. Metals, 2017, 7, 142.	2.3	21
5	Polarized Raman and Infrared Spectroscopy and ab Initio Calculation of Palmitic and Stearic Acids in the Bm and C Forms. Journal of Physical Chemistry A, 2017, 121, 4830-4842.	2.5	19
6	A comparative density functional theory study of electronic structure and optical properties of -aminobutyric acid and its cocrystals with oxalic and benzoic acid. Chemical Physics Letters, 2013, 587, 20-24.	2.6	17
7	Vibrational and structural properties of L-Alanyl-L-Phenylalanine dipeptide by Raman spectroscopy, infrared and DFT calculations. Vibrational Spectroscopy, 2018, 98, 128-133.	2.2	16
8	Spin-Negative Differential Resistance in Zigzag Graphene Nanoribbons with Side-Attached Porphine Molecule. Journal of Physical Chemistry C, 2018, 122, 15911-15921.	3.1	14
9	Tuning the electronic and quantum transport properties of nitrogenated holey graphene nanoribbons. Journal of Materials Chemistry C, 2017, 5, 11856-11866.	5.5	13
10	One- and two-dimensional carbon nanostructures based on unfolded buckyballs: An ab initio investigation of their electronic properties. Physical Review B, 2017, 95, .	3.2	13
11	Vibrational investigation of pressureâ€•and temperatureâ€•induced phase transitions in metal formates templated by ethylammonium ions. Journal of Raman Spectroscopy, 2017, 48, 972-982.	2.5	10
12	Temperature dependence Raman spectroscopy and DFT calculations of Bi2(MoO4)3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 224, 117340.	3.9	10
13	Structural, thermal, electronic, vibrational, magnetic, and cytotoxic properties of chloro(glycinato-N,O)(1,10-phenanthroline-N,Nâ€²)â€˜copper(II) trihydrate coordination complex. Journal of Inorganic Biochemistry, 2022, 226, 111658.	3.5	9
14	High-pressure Raman spectra and DFT calculations of l -tyrosine hydrochloride crystal. Physica B: Condensed Matter, 2018, 531, 35-44.	2.7	7
15	Phase transformation in the C form of myristic-acid crystals and DFT calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 208, 97-108.	3.9	7
16	Vibrational spectroscopy study and ab initio calculation on ZnMoO4 system. Journal of Molecular Structure, 2020, 1206, 127776.	3.6	7
17	Lattice dynamics calculations and high-pressure Raman spectra of the ZnMoO4. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118501.	3.9	7
18	Raman spectroscopy of l,l-diphenylalanine crystal under high pressure. Vibrational Spectroscopy, 2017, 92, 173-181.	2.2	6

#	Article	IF	Citations
19	Raman spectroscopy of Î³-aminobutyric acid under high pressure. Vibrational Spectroscopy, 2017, 92, 162-168.	2.2	6
20	Raman spectroscopy under high pressures and DFT calculations of the amino acid l-glutamine. Vibrational Spectroscopy, 2018, 98, 69-76.	2.2	6
21	High-pressure studies on l,l-dileucine crystals by Raman spectroscopy and synchrotron X-ray diffraction combined with DFT calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117899.	3.9	6
22	Theoretical and experimental investigation of structural and vibrational properties of L-arginineÂ·HCl Br1- monohydrate crystals. Vibrational Spectroscopy, 2021, 112, 103187.	2.2	6
23	High-pressure Raman study of mono-l-alaninium nitrate crystals. Physica B: Condensed Matter, 2017, 521, 317-322.	2.7	5
24	High-temperature Raman spectroscopy of L,L-diphenylalanine single-crystal. Vibrational Spectroscopy, 2018, 97, 75-84.	2.2	5
25	Pressure-induced phase transition in Glycinium maleate crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 262, 120076.	3.9	5
26	High-pressure Raman spectra of thymidine crystals. Vibrational Spectroscopy, 2017, 89, 62-68.	2.2	4
27	Raman spectra of captopril under high pressure. Vibrational Spectroscopy, 2019, 102, 116-124.	2.2	4
28	Raman spectroscopy of captopril crystals under low-temperature conditions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 243, 118734.	3.9	3
29	Growth, structural, vibrational, DFT and thermal studies of bis(Î²-alanine) nickel(II) dihydrate crystals. Journal of Physics and Chemistry of Solids, 2020, 141, 109435.	4.0	2
30	High-pressures study by Raman spectroscopy and DFT calculations of L-tyrosine hydrobromide crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120142.	3.9	2
31	Vibrational spectroscopy and lattice dynamic calculation on the MnMoO4 system. Journal of Solid State Chemistry, 2022, 311, 123105.	2.9	2