Waldeci Paraguassu

List of Publications by Year
in descending order

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80 papers	1,874 citations	236925 25 h-index	289244 40 g-index
80 all docs	80 docs citations	80 times ranked	1891 citing authors

#	Article	IF	Citations
1	Phase Transitions and Coexistence of Magnetic and Electric Orders in the Methylhydrazinium Metal Formate Frameworks. Chemistry of Materials, 2017, 29, 2264-2275.	6.7	136
2	Pressure-induced structural phase transitions and amorphization in selected molybdates and tungstates. Progress in Materials Science, 2012, 57, 1335-1381.	32.8	106
3	Phonons in ferroelectric Bi2WO6: Raman and infrared spectra and lattice dynamics. Applied Physics Letters, 2008, 92, .	3.3	73
4	Temperature- and Pressure-Induced Phase Transitions in the Metal Formate Framework of [ND₄][Zn(DCOO)₃] and [NH₄][Zn(HCOO)₃]. Inorganic Chemistry, 2014, 53, 9615-9624.	4.0	72
5	Impedance spectroscopy analysis of BaFe12O19 M-type hexaferrite obtained by ceramic method. Ceramics International, 2009, 35, 2443-2447.	4.8	69
6	Phonon calculation on olivine-like LiMPO4 (M = Ni, Co, Fe) and Raman scattering of the iron-containing compound. Journal of Raman Spectroscopy, 2005, 36, 213-220.	2.5	66
7	Phonon-instability-driven phase transitions in ferroelectric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">W</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:mo>:</mml:mo><mml:msup><mml:mi	3.2	62
8	Effect of solvent, temperature and pressure on the stability of chiral and perovskite metal formate frameworks of [NH₂NH₃][M(HCOO)₃] (M = Mn, Fe, Zn). Physical Chemistry Chemical Physics, 2016, 18, 31653-31663.	2.8	54
9	Pressure-induced structural transformations in the molybdateSc2(MoO4)3. Physical Review B, 2004, 69, .	3.2	52
10	Temperatureâ€dependent Raman scattering studies of Na₂MoO₄. Journal of Raman Spectroscopy, 2008, 39, 937-941.	2.5	52
11	A comparative study of negative thermal expansion materials Sc2(MoO4)3 and Al2(WO4)3 crystals. Vibrational Spectroscopy, 2007, 44, 69-77.	2.2	51
12	High-pressure Raman study of Al2(WO4)3. Journal of Solid State Chemistry, 2004, 177, 2002-2006.	2.9	50
13	Lattice dynamics and lowâ€temperature Raman spectroscopy studies of PMNâ€“PT relaxors. Journal of Raman Spectroscopy, 2009, 40, 1144-1149.	2.5	48
14	Temperatureâ€induced phase transformations in Na₂WO₄ and Na₂MoO₄ crystals. Journal of Raman Spectroscopy, 2011, 42, 799-802.	2.5	44
15	Structural, thermal, dielectric and phonon properties of perovskite-like imidazolium magnesium formate. Physical Chemistry Chemical Physics, 2016, 18, 13993-14000.	2.8	43
16	Temperatureâ€dependent Raman scattering studies on Na₂Mo₂O₇ disodium dimolybdate. Journal of Raman Spectroscopy, 2011, 42, 1114-1119.	2.5	42
17	Raman and IR Studies of Pressure- and Temperature-Induced Phase Transitions in [(CH₂)₃NH₂][Zn(HCOO)₃]. Inorganic Chemistry, 2014, 53, 12650-12657.	4.0	42
18	Raman scattering studies of pressure-induced phase transitions in perovskite formates [(CH3)2NH2][Mg(HCOO)3] and [(CH3)2NH2][Cd(HCOO)3]. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 156, 112-117.	3.9	36

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19	Temperature- and pressure-induced phase transitions in the niccolite-type formate framework of [H₃N(CH₃)₄NH₃][Mn₂(HCOO)₆]. Journal of Materials Chemistry C, 2016, 4, 3185-3194.	5.5	36
20	Temperature- and pressure-dependent studies of a highly flexible and compressible perovskite-like cadmium dicyanamide framework templated with protonated tetrapropylamine. Journal of Materials Chemistry C, 2019, 7, 2408-2420.	5.5	32
21	Temperatureâ€dependent Raman spectra of Ba₂BiSbO₆ ceramics. Journal of Raman Spectroscopy, 2009, 40, 1205-1210.	2.5	31
22	Raman scattering study of NaAl(MoO4)2crystal under high pressures. Journal of Physics Condensed Matter, 2004, 16, 5151-5161.	1.8	27
23	Structural and optical properties of rare earthâ€“doped (Ba0.77Ca0.23)1â^'x(Sm, Nd, Pr, Yb)xTiO3. Journal of Applied Physics, 2011, 109, .	2.5	26
24	Temperature-dependent Raman spectra of K0.2Na0.8NbO3 ceramics. Journal of Raman Spectroscopy, 2005, 36, 28-32.	2.5	25
25	High pressure effects on the structural and vibrational properties of antiferromagnetic KFe(MoO4)2. Journal of Physics Condensed Matter, 2005, 17, 6285-6300.	1.8	25
26	Pressure-induced phase transitions in ferroelectric Bi₂MoO₆â€”a Raman scattering study. Journal of Physics Condensed Matter, 2010, 22, 015901.	1.8	24
27	Raman and single-crystal X-ray diffraction evidence of pressure-induced phase transitions in a perovskite-like framework of [(C₃H₇)₄N][Mn(N(CN)₂)₃]. Dalton Transactions, 2019, 48, 9072-9078.	3.3	24
28	Raman spectroscopy study of Na₂MoO₄Â·2H₂O and Na₂MoO₄ under hydrostatic pressure. Journal of Raman Spectroscopy, 2010, 41, 576-581.	2.5	23
29	Lattice dynamics and pressure-induced phase transitions inBi2W2O9: High-pressure Raman study. Physical Review B, 2010, 81, .	3.2	23
30	Disorder-induced symmetry lowering in theCsInMgF6pyrochlore crystal. Physical Review B, 2002, 66, .	3.2	22
31	High-pressure Raman scattering of MgMoO4. Vibrational Spectroscopy, 2013, 68, 34-39.	2.2	22
32	Pressure-induced phase transitions in multiferroic RbFe(MoO4)2â€”Raman scattering study. Journal of Solid State Chemistry, 2011, 184, 2812-2817.	2.9	21
33	Novel bimetallic MOF phosphors with an imidazolium cation: structure, phonons, high- pressure phase transitions and optical response. Dalton Transactions, 2019, 48, 242-252.	3.3	21
34	Pressure-induced crystalâ€“amorphous transformation in Y2Mo3O12. Vibrational Spectroscopy, 2013, 68, 251-256.	2.2	20
35	Temperature- and pressure-dependent studies of niccolite-type formate frameworks of [NH₃(CH₂)₄NH₃][M₂(HCOO)₆] (M = Zn, Co, Fe). Physical Chemistry Chemical Physics, 2016, 18, 27613-27622.	2.8	19
36	Heterometallic perovskite-type metalâ€“organic framework with an ammonium cation: structure, phonons, and optical response of [NH4]Na0.5CrxAl0.5â^'x(HCOO)3 (x = 0, 0.025 and 0.5). Physical Chemistry Chemical Physics, 2018, 20, 22284-22295.	2.8	19

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37	Temperature-dependent Raman scattering study of K2MoO4. Vibrational Spectroscopy, 2012, 58, 87-94.	2.2	18
38	Temperature studies ofKH2PO4:Mncrystals using x-ray diffraction and polarized Raman scattering. Physical Review B, 2005, 72, .	3.2	16
39	Structural and vibrational properties of K₃Fe(MoO₄)₂(Mo₂O₇)â€"a novel layered molybdate. Journal of Physics Condensed Matter, 2009, 21, 095402.	1.8	16
40	Lattice dynamics and pressure-induced phase transitions in Î±-BaTeMo₂O₉. Journal of Physics Condensed Matter, 2013, 25, 125404.	1.8	15
41	Temperature induced phase transformations on the Li2MoO4 system studied by Raman spectroscopy. Journal of Molecular Structure, 2017, 1139, 119-124.	3.6	15
42	Pressure-enhanced ferroelectric polarisation in a polar perovskite-like [C₂H₅NH₃]Na_{0.5}Cr_{0.5}(HCOO)₃metalâ€"organic framework. Journal of Materials Chemistry C, 2019, 7, 8660-8668.	5.1	15
43	Pressure-induced phase transitions in antiferroelectric CsBi(MoO4)2. Journal of Raman Spectroscopy, 2005, 36, 56-62.	2.5	14
44	Phonon properties, polymorphism, and amorphization ofDy2Mo4O15under high hydrostatic pressure. Physical Review B, 2010, 82, .	3.2	14
45	Effect of Ni(II) doping on the structure of L-histidine hydrochloride monohydrate crystals. Journal of Physics Condensed Matter, 2008, 20, 275209.	1.8	12
46	A Raman scattering study of pressure-induced phase transitions in nanocrystalline Bi₂MoO₆. Journal of Physics Condensed Matter, 2011, 23, 045401.	1.8	11
47	Room-temperature vibrational properties of the BiMn2O5 mullite. Vibrational Spectroscopy, 2013, 66, 43-49.	2.2	11
48	Lattice dynamics and high-pressure Raman scattering studies of ferroelectricK2MgWO2(PO4)2. Physical Review B, 2008, 78, .	3.2	10
49	Raman spectroscopy of d-methionine under high pressure. Vibrational Spectroscopy, 2014, 72, 57-61.	2.2	10
50	Near-zero thermal expansion and phase transition in In_{0.5}(ZrMg)_{0.75}Mo₃O₁₂. Journal of Materials Research, 2016, 31, 3240-3248.	2.6	10
51	Ramanâ€scattering studies of pressureâ€induced phase transitions in perovskiteâ€like acetamidninium manganese formate. Journal of Raman Spectroscopy, 2018, 49, 312-316.	2.5	10
52	Stability and flexibility of heterometallic formate perovskites with the dimethylammonium cation: pressure-induced phase transitions. Physical Chemistry Chemical Physics, 2019, 21, 4200-4208.	2.8	10
53	Vibrational properties of Cs₄W₁₁O₃₅ and Rb₄W₁₁O₃₅ systems: high pressure and polarized Raman spectra. Journal of Raman Spectroscopy, 2011, 42, 474-481.	2.5	9
54	Pressure-induced phase transition on K2MoO4: A Raman scattering study and ab initio calculations. Journal of Solid State Chemistry, 2012, 196, 197-202.	2.9	9

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55	Structural and vibrational properties of carbonophosphates: Na3MCO3PO4 (M = Mn, Fe, Co and Ni). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117298.	3.9	9
56	Mechanism of Pressure-Induced Phase Transitions and Structureâ€“Property Relations in Methylhydrazinium Manganese Hypophosphite Perovskites. Journal of Physical Chemistry C, 2021, 125, 10121-10129.	3.1	9
57	Temperatureâ€dependent Raman scattering of KDP:Mn (0.9% weight of Mn) crystal. Journal of Raman Spectroscopy, 2010, 41, 1318-1322.	2.5	7
58	Temperature-dependent Raman scattering study on Cs4W11O35 and Rb4W11O35 systems. Journal of Solid State Chemistry, 2013, 199, 7-14.	2.9	7
59	Vibrational spectroscopy study and ab initio calculation on ZnMoO4 system. Journal of Molecular Structure, 2020, 1206, 127776.	3.6	7
60	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
61	Vibrational studies of hexagonal bronze systems: phonon calculation and high pressure induced phase transformation. Journal of Raman Spectroscopy, 2009, 40, 1150-1157.	2.5	6
62	High pressure Raman scattering study on Sm 2 Mo 4 O 15 system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 174, 80-85.	3.9	6
63	Effect of Alkali and Trivalent Metal Ions on the High-Pressure Phase Transition of [C₂H₅NH₃]M^I_{0.5}M^{III}_{0.5}(HCOO)₃ (M^I = Na, K and M^{III} = Cr, Al) Heterometallic Perovskites. Journal of Physical Chemistry C, 2020, 124, 6337-6348.	3.1	6
64	Investigation of phase transitions in LiK1â^'x(NH4)xSO4 mixed crystal. Solid State Communications, 1999, 109, 507-512.	1.9	5
65	Evaluating Al2-xGaxW3O12 system for thermal shock resistance. Journal of Solid State Chemistry, 2019, 277, 149-158.	2.9	5
66	A temperature-dependent Raman scattering and X-ray diffraction study of K2Mo2O7Â·H2O and ab initio calculations of K2Mo2O7. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120184.	3.9	5
67	Vibrational properties of RbNd(WO₄)₂: high pressure Raman study, structural and phonon calculations. Journal of Physics Condensed Matter, 2011, 23, 405901.	1.8	4
68	Lattice dynamics and high-pressure Raman scattering studies of CoTeMoO6 crystal. Vibrational Spectroscopy, 2016, 84, 153-158.	2.2	4
69	Local impurity-phase generation in laser irradiated LixCo0.9Ga0.1O2. Chemical Physics Letters, 2004, 397, 520-526.	2.6	3
70	Ionic properties of an organicâ€“inorganic solâ€“gel hybrid based on polydimethylsiloxane and tetraethoxysilane doped with sodium dodecyl sulfate. Journal of Applied Polymer Science, 2010, 115, 851-854.	2.6	3
71	Pressure-induced structural transformations in In_{2-x} Y_x (MoO₄) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	3
72	Raman characterization of single-crystalline Ga0.96Mn0.04As:Zn nanowires realized by ion-implantation. Nanotechnology, 2019, 30, 335202.	2.6	3

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73	Temperatureâ€•and Pressureâ€Dependent Phonon Dynamics Properties of Gallium Selenide Telluride. Journal of Raman Spectroscopy, 0, , .	2.5	3
74	High-pressure Raman scattering study of ferroelectric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>K</mml:mtext><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mrow> Physical Review B, 2010, 82, .	3.2	2
75	Evaluation of carrier density and mobility in Mn ion-implanted GaAs:Zn nanowires by Raman spectroscopy. Nanotechnology, 2020, 31, 205705.	2.6	2
76	Vibrational spectroscopy and lattice dynamic calculation on the MnMoO4 system. Journal of Solid State Chemistry, 2022, 311, 123105.	2.9	2
77	Structural, vibrational and magnetic properties of monoclinic La2FeMnO6 double perovskite. Vacuum, 2022, 202, 111140.	3.5	2
78	Lattice dynamics and highâ€•pressure properties of Kâ€•ionic conducting system KNbTeO₆. Journal of Raman Spectroscopy, 2020, 51, 2517-2524.	2.5	1
79	Two new low-temperature phase transitions in the Li(NH4)1â€‰â^'â€‰xNaxSO4system. Phase Transitions, 2004, 77, 921-928.	1.3	0
80	Computer simulation of Na2ThF6single crystals: prediction of a phase transition under hydrostatic pressures. Journal of Physics Condensed Matter, 2008, 20, 165202.	1.8	0