

Waldeci Paraguassu

List of Publications by Year in descending order

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80
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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	Vibrational spectroscopy and lattice dynamic calculation on the MnMoO ₄ system. Journal of Solid State Chemistry, 2022, 311, 123105.	2.9	2
2	Structural, vibrational and magnetic properties of monoclinic La ₂ FeMnO ₆ double perovskite. Vacuum, 2022, 202, 111140.	3.5	2
3	Mechanism of Pressure-Induced Phase Transitions and Structure-Property Relations in Methylhydrazinium Manganese Hypophosphite Perovskites. Journal of Physical Chemistry C, 2021, 125, 10121-10129.	3.1	9
4	A temperature-dependent Raman scattering and X-ray diffraction study of K ₂ Mo ₂ O ₇ ·H ₂ O and ab initio calculations of K ₂ Mo ₂ O ₇ . Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120184.	3.9	5
5	Lattice dynamics and high-pressure properties of K ⁺ ionic conducting system KNbTeO ₆ . Journal of Raman Spectroscopy, 2020, 51, 2517-2524.	2.5	1
6	Effect of Alkali and Trivalent Metal Ions on the High-Pressure Phase Transition of [C ₂ H ₅ NH ₃]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
7	Evaluation of carrier density and mobility in Mn ion-implanted GaAs:Zn nanowires by Raman spectroscopy. Nanotechnology, 2020, 31, 205705.	2.6	2
8	Vibrational spectroscopy study and ab initio calculation on ZnMoO ₄ system. Journal of Molecular Structure, 2020, 1206, 127776.	3.6	7
9	Lattice dynamics calculations and high-pressure Raman spectra of the ZnMoO ₄ . Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118501.	3.9	7
10	Structural and vibrational properties of carbonophosphates: Na ₃ MCO ₃ PO ₄ (M = Mn, Fe, Co and Ni). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117298.	3.9	9
11	Evaluating Al _{2-x} Ga _x W ₃ O ₁₂ system for thermal shock resistance. Journal of Solid State Chemistry, 2019, 277, 149-158.	2.9	5
12	Pressure-enhanced ferroelectric polarisation in a polar perovskite-like [C ₂ H ₅ NH ₃]Na _{0.5} Cr _{0.5} (HCOO) ₃ metal-organic framework. Journal of Materials Chemistry C, 2019, 7, 8660-8668.	3.1	6
13	Raman and single-crystal X-ray diffraction evidence of pressure-induced phase transitions in a perovskite-like framework of [(C ₃ H ₇) ₄ N][Mn(N(CN) ₂) ₃]. Dalton Transactions, 2019, 48, 9072-9078.	3.3	24
14	Raman characterization of single-crystalline Ga _{0.96} Mn _{0.04} As:Zn nanowires realized by ion-implantation. Nanotechnology, 2019, 30, 335202.	2.6	3
15	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
16	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
17	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
18	Raman-scattering studies of pressure-induced phase transitions in perovskite-like acetamidinium manganese formate. Journal of Raman Spectroscopy, 2018, 49, 312-316.	2.5	10

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19	Heterometallic perovskite-type metal-organic framework with an ammonium cation: structure, phonons, and optical response of $[\text{NH}_4]\text{Na}_{0.5}\text{Cr}_x\text{Al}_{0.5-x}(\text{HCOO})_3$ ($x = 0, 0.025$ and 0.5). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22284-22295.	2.8	19
20	Phase Transitions and Coexistence of Magnetic and Electric Orders in the Methylhydrazinium Metal Formate Frameworks. <i>Chemistry of Materials</i> , 2017, 29, 2264-2275.	6.7	136
21	Temperature induced phase transformations on the Li_2MoO_4 system studied by Raman spectroscopy. <i>Journal of Molecular Structure</i> , 2017, 1139, 119-124.	3.6	15
22	High pressure Raman scattering study on $\text{Sm}_2\text{Mo}_4\text{O}_{15}$ system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 174, 80-85.	3.9	6
23	Near-zero thermal expansion and phase transition in $\text{In}_{0.5}(\text{ZrMg})_{0.75}\text{Mo}_3\text{O}_{12}$. <i>Journal of Materials Research</i> , 2016, 31, 3240-3248.	2.6	10
24	Lattice dynamics and high-pressure Raman scattering studies of CoTeMoO_6 crystal. <i>Vibrational Spectroscopy</i> , 2016, 84, 153-158.	2.2	4
25	Structural, thermal, dielectric and phonon properties of perovskite-like imidazolium magnesium formate. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13993-14000.	2.8	43
26	Temperature- and pressure-dependent studies of niccolite-type formate frameworks of $[\text{NH}_3](\text{CH}_2)_4\text{NH}_3[\text{M}_2(\text{HCOO})_6]$ ($\text{M} = \text{Zn, Co, Fe}$). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27613-27622.	2.8	19
27	Effect of solvent, temperature and pressure on the stability of chiral and perovskite metal formate frameworks of $[\text{NH}_2\text{NH}_3][\text{M}(\text{HCOO})_3]$ ($\text{M} = \text{Mn, Fe, Zn}$). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31653-31663.	2.8	54
28	Pressure-induced structural transformations in $\text{In}_{2-x}\text{Y}_x(\text{MoO}_4)_3$. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3185-3194.	2.5	3
29	Raman scattering studies of pressure-induced phase transitions in perovskite formates $[(\text{CH}_3)_2\text{NH}_2][\text{Mg}(\text{HCOO})_3]$ and $[(\text{CH}_3)_2\text{NH}_2][\text{Cd}(\text{HCOO})_3]$. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 156, 112-117.	3.9	36
30	Temperature- and pressure-induced phase transitions in the niccolite-type formate framework of $[\text{H}_3\text{N}(\text{CH}_2)_4\text{NH}_3][\text{Mn}_2(\text{HCOO})_6]$. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3185-3194.	5.5	36
31	Raman and IR Studies of Pressure- and Temperature-Induced Phase Transitions in $[(\text{CH}_2)_3\text{NH}_2][\text{Zn}(\text{HCOO})_3]$. <i>Inorganic Chemistry</i> , 2014, 53, 12650-12657.	4.0	42
32	Temperature- and Pressure-Induced Phase Transitions in the Metal Formate Framework of $[\text{ND}_4][\text{Zn}(\text{DCOO})_3]$ and $[\text{NH}_4][\text{Zn}(\text{HCOO})_3]$. <i>Inorganic Chemistry</i> , 2014, 53, 9615-9624.	4.0	72
33	Raman spectroscopy of d-methionine under high pressure. <i>Vibrational Spectroscopy</i> , 2014, 72, 57-61.	2.2	10
34	High-pressure Raman scattering of MgMoO_4 . <i>Vibrational Spectroscopy</i> , 2013, 68, 34-39.	2.2	22
35	Pressure-induced crystal-amorphous transformation in $\text{Y}_2\text{Mo}_3\text{O}_{12}$. <i>Vibrational Spectroscopy</i> , 2013, 68, 251-256.	2.2	20
36	Lattice dynamics and pressure-induced phase transitions in $\text{BaTeMo}_2\text{O}_9$. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 125404.	1.8	15

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37	Room-temperature vibrational properties of the BiMn ₂ O ₅ mullite. <i>Vibrational Spectroscopy</i> , 2013, 66, 43-49.	2.2	11
38	Temperature-dependent Raman scattering study on Cs ₄ W ₁₁ O ₃₅ and Rb ₄ W ₁₁ O ₃₅ systems. <i>Journal of Solid State Chemistry</i> , 2013, 199, 7-14.	2.9	7
39	Pressure-induced phase transition on K ₂ MoO ₄ : A Raman scattering study and ab initio calculations. <i>Journal of Solid State Chemistry</i> , 2012, 196, 197-202.	2.9	9
40	Pressure-induced structural phase transitions and amorphization in selected molybdates and tungstates. <i>Progress in Materials Science</i> , 2012, 57, 1335-1381.	32.8	106
41	Temperature-dependent Raman scattering study of K ₂ MoO ₄ . <i>Vibrational Spectroscopy</i> , 2012, 58, 87-94.	2.2	18
42	Vibrational properties of RbNd(WO ₄) ₂ : high pressure Raman study, structural and phonon calculations. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 405901.	1.8	4
43	Structural and optical properties of rare earth-doped (Ba _{0.77} Ca _{0.23}) _{1-x} (Sm, Nd, Pr, Yb) _x TiO ₃ . <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	26
44	Pressure-induced phase transitions in multiferroic RbFe(MoO ₄) ₂ Raman scattering study. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2812-2817.	2.9	21
45	Vibrational properties of Cs ₄ W ₁₁ O ₃₅ and Rb ₄ W ₁₁ O ₃₅ systems: high pressure and polarized Raman spectra. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 474-481.	2.5	9
46	Temperature-induced phase transformations in Na ₂ WO ₄ and Na ₂ MoO ₄ crystals. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 799-802.	2.5	44
47	Temperature-dependent Raman scattering studies on Na ₂ Mo ₂ O ₇ disodium dimolybdate. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1114-1119.	2.5	42
48	A Raman scattering study of pressure-induced phase transitions in nanocrystalline Bi ₂ Mo ₆ O ₁₆ . <i>Journal of Physics Condensed Matter</i> , 2011, 23, 045401.	1.8	11
49	Raman spectroscopy study of Na ₂ MoO ₄ ·2H ₂ O and Na ₂ MoO ₄ under hydrostatic pressure. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 576-581.	2.5	23
50	Ionic properties of an organic-inorganic sol-gel hybrid based on polydimethylsiloxane and tetraethoxysilane doped with sodium dodecyl sulfate. <i>Journal of Applied Polymer Science</i> , 2010, 115, 851-854.	2.6	3
51	Temperature-dependent Raman scattering of KDP:Mn (0.9% weight of Mn) crystal. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1318-1322.	2.5	7
52	Lattice dynamics and pressure-induced phase transitions in Bi ₂ W ₂ O ₉ : High-pressure Raman study. <i>Physical Review B</i> , 2010, 81, .	3.2	23
53	High-pressure Raman scattering study of ferroelectric $K_3Mn_3O_{10}$ Physical Review B, 2010, 82, .	3.2	2
54	Pressure-induced phase transitions in ferroelectric Bi ₂ Mo ₆ O ₁₆ Raman scattering study. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 015901.	1.8	24

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55	Phonon properties, polymorphism, and amorphization of Dy ₂ Mo ₄ O ₁₅ under high hydrostatic pressure. <i>Physical Review B</i> , 2010, 82, .	3.2	14
56	Structural and vibrational properties of K ₃ Fe(MoO ₄) ₂ (Mo ₂ O ₇) a novel layered molybdate. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 095402.	1.8	16
57	Lattice dynamics and low-temperature Raman spectroscopy studies of PMN-PT relaxors. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1144-1149.	2.5	48
58	Vibrational studies of hexagonal bronze systems: phonon calculation and high pressure induced phase transformation. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1150-1157.	2.5	6
59	Temperature-dependent Raman spectra of Ba ₂ BiSbO ₆ ceramics. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1205-1210.	2.5	31
60	Impedance spectroscopy analysis of BaFe ₁₂ O ₁₉ M-type hexaferrite obtained by ceramic method. <i>Ceramics International</i> , 2009, 35, 2443-2447.	4.8	69
61	Temperature-dependent Raman scattering studies of Na ₂ MoO ₄ . <i>Journal of Raman Spectroscopy</i> , 2008, 39, 937-941.	2.5	52
62	Effect of Ni(II) doping on the structure of L-histidine hydrochloride monohydrate crystals. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 275209.	1.8	12
63	Computer simulation of Na ₂ ThF ₆ single crystals: prediction of a phase transition under hydrostatic pressures. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 165202.	1.8	0
64	Phonons in ferroelectric Bi ₂ WO ₆ : Raman and infrared spectra and lattice dynamics. <i>Applied Physics Letters</i> , 2008, 92, . Phonon-instability-driven phase transitions in ferroelectric Bi_2WO_6	3.3	73
65	$\text{Bi}_2\text{W}_6\text{O}_{23}$ single crystals: prediction of a phase transition under hydrostatic pressures. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 165202.	3.2	62
66	Lattice dynamics and high-pressure Raman scattering studies of ferroelectric K ₂ MgWO ₂ (PO ₄) ₂ . <i>Physical Review B</i> , 2008, 78, .	3.2	10
67	A comparative study of negative thermal expansion materials Sc ₂ (MoO ₄) ₃ and Al ₂ (WO ₄) ₃ crystals. <i>Vibrational Spectroscopy</i> , 2007, 44, 69-77.	2.2	51
68	Temperature-dependent Raman spectra of K _{0.2} Na _{0.8} NbO ₃ ceramics. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 28-32.	2.5	25
69	Pressure-induced phase transitions in antiferroelectric CsBi(MoO ₄) ₂ . <i>Journal of Raman Spectroscopy</i> , 2005, 36, 56-62.	2.5	14
70	Phonon calculation on olivine-like LiMPO ₄ (M = Ni, Co, Fe) and Raman scattering of the iron-containing compound. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 213-220.	2.5	66
71	High pressure effects on the structural and vibrational properties of antiferromagnetic KFe(MoO ₄) ₂ . <i>Journal of Physics Condensed Matter</i> , 2005, 17, 6285-6300.	1.8	25
72	Temperature studies of KH ₂ PO ₄ :Mn crystals using x-ray diffraction and polarized Raman scattering. <i>Physical Review B</i> , 2005, 72, .	3.2	16

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73	Pressure-induced structural transformations in the molybdate $\text{Sc}_2(\text{MoO}_4)_3$. <i>Physical Review B</i> , 2004, 69, .	3.2	52
74	Raman scattering study of $\text{NaAl}(\text{MoO}_4)_2$ crystal under high pressures. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 5151-5161.	1.8	27
75	High-pressure Raman study of $\text{Al}_2(\text{WO}_4)_3$. <i>Journal of Solid State Chemistry</i> , 2004, 177, 2002-2006.	2.9	50
76	Local impurity-phase generation in laser irradiated $\text{Li}_x\text{Co}_{0.9}\text{Ga}_{0.1}\text{O}_2$. <i>Chemical Physics Letters</i> , 2004, 397, 520-526.	2.6	3
77	Two new low-temperature phase transitions in the $\text{Li}(\text{NH}_4)_{1-x}\text{Na}_x\text{SO}_4$ system. <i>Phase Transitions</i> , 2004, 77, 921-928.	1.3	0
78	Disorder-induced symmetry lowering in the CsInMgF_6 pyrochlore crystal. <i>Physical Review B</i> , 2002, 66, .	3.2	22
79	Investigation of phase transitions in $\text{LiK}_{1-x}(\text{NH}_4)_x\text{SO}_4$ mixed crystal. <i>Solid State Communications</i> , 1999, 109, 507-512.	1.9	5
80	Temperature and Pressure Dependent Phonon Dynamics Properties of Gallium Selenide Telluride. <i>Journal of Raman Spectroscopy</i> , 0, .	2.5	3