Roberto L Moreira

List of Publications by Year
in descending order

190 papers	4,301 citations	117571 34 h-index	155592 55 g-index
194 all docs	194 docs citations	194 times ranked	5184 citing authors

#	Article	IF	Citations
1	Unusual Angular Dependence of the Raman Response in Black Phosphorus. ACS Nano, 2015, 9, 4270-4276.	7.3	301
2	Comment on â€œPrediction of lattice constant in cubic perovskitesâ€• Journal of Physics and Chemistry of Solids, 2007, 68, 1617-1622.	1.9	213
3	Vibrational spectra of monazite-type rare-earth orthophosphates. Optical Materials, 2006, 29, 224-230.	1.7	131
4	Infrared phonon dynamics of a multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Bi</mml:mi><mml:mi mathvariant="normal">Fe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>single crystal. Physical Review B, 2007, 76, .	1.1	116
5	Effect of Nonstoichiometry on the Structure and Microwave Dielectric Properties of Ba(Mg0.33Ta0.67)O3. Chemistry of Materials, 2005, 17, 142-151.	3.2	113
6	Synthesis and Crystal Structure of Lanthanide Orthoniobates Studied by Vibrational Spectroscopy. Chemistry of Materials, 2010, 22, 2668-2674.	3.2	95
7	Chemical Substitution in Ba(RE1/2Nb1/2)O3 (RE = La, Nd, Sm, Gd, Tb, and Y) Microwave Ceramics and Its Influence on the Crystal Structure and Phonon Modes. Chemistry of Materials, 2006, 18, 214-220.	3.2	88
8	Raman-spectroscopic evaluation of the long-range order in Ba(B1/3â€²B2/3â€³)O3 ceramics. Applied Physics Letters, 2001, 78, 428-430.	1.5	79
9	Vibrational Studies and Microwave Dielectric Properties of A-Site-Substituted Tellurium-Based Double Perovskites. Chemistry of Materials, 2008, 20, 4347-4355.	3.2	73
10	Structure and Microwave Dielectric Properties of Sr2+nCe2Ti5+nO15+3n (n â‰ 10) Homologous Series. Chemistry of Materials, 2007, 19, 4077-4082.	3.2	71
11	Temperature effects on the vibronic spectra of BEHâ€“PPV conjugated polymer films. Journal of Chemical Physics, 2003, 119, 9777-9782.	1.2	68
12	Raman scattering and X-ray diffraction investigations on hydrothermal barium magnesium niobate ceramics. Journal of the European Ceramic Society, 2001, 21, 2739-2744.	2.8	61
13	Raman-spectroscopic study of lanthanide trifluorides with the Â-YF3structure. Journal of Physics Condensed Matter, 2004, 16, 3207-3218.	0.7	59
14	Raman Scattering and Fourier Transform Infrared Spectroscopy of Me₆Al₂(OH)₁₆Cl₂Â·4H₂O (Me = Mg, Ni, Zn,) Tj ETQq0 0 0 rgBT /Overl Physical Chemistry C, 2009, 113, 13358-13368.	1.5	59
15	Raman and Infrared Reflectivity Determination of Phonon Modes and Crystal Structure of Czochralski-Grown NaLnF4(Ln = La, Ce, Pr, Sm, Eu, and Gd) Single Crystals. Chemistry of Materials, 2005, 17, 4523-4529.	3.2	56
16	Optical Phonon Modes and Dielectric Behavior of Sr_{1â€“3x/2}Ce_xTiO₃ Microwave Ceramics. Chemistry of Materials, 2007, 19, 6548-6554.	3.2	55
17	Polarized Raman, <scp>FTIR,</scp> and <scp>DFT</scp> study of <scp>Na₂Ti₃O₇</scp> microcrystals. Journal of Raman Spectroscopy, 2018, 49, 538-548.	1.2	54
18	Chemical, mechanical and dielectric properties after sintering of hydrothermal nickelâ€“zinc ferrites. Materials Letters, 1999, 39, 69-76.	1.3	53

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19	Nanostructured 3-D collagen/nanotube biocomposites for future bone regeneration scaffolds. Nano Research, 2009, 2, 462-473.	5.8	53
20	Grain-Size Effects on Diffuse Phase Transitions of Sol-Gel Prepared Barium Titanate Ceramics. Journal of the American Ceramic Society, 1995, 78, 1343-1346.	1.9	51
21	Microstructural dependence of the magnetic properties of sintered NiZn ferrites from hydrothermal powders. Journal of Magnetism and Magnetic Materials, 1997, 172, L9-L14.	1.0	51
22	Raman Spectroscopy of (Ba1-xSrx)(Mg1/3Nb2/3)O3Solid Solutions from Microwave-Hydrothermal Powders. Chemistry of Materials, 2007, 19, 2335-2341.	3.2	50
23	Raman Scattering and Infrared Spectroscopy of Chemically Substituted Sr₂LnTaO₆ (Ln = Lanthanides, Y, and In) Double Perovskites. Chemistry of Materials, 2008, 20, 5253-5259.	3.2	49
24	Far-infrared spectroscopy in ordered and disordered BaMg1/3Nb2/3O3 microwave ceramics. Journal of Applied Physics, 2003, 94, 3414-3421.	1.1	48
25	Infrared spectroscopic investigation of chain conformations and interactions in P(VDF-TrFE)/PMMA blends. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 34-40.	2.4	47
26	Vibrational Spectroscopy of Ca₂LnTaO₆ (Ln = lanthanides, Y, and In) and Ca₂InNbO₆ Double Perovskites. Chemistry of Materials, 2011, 23, 14-20.	3.2	42
27	Infrared Fingerprints of Natural 2D Talc and Plasmonâ€“Phonon Coupling in Grapheneâ€“Talc Heterostructures. ACS Photonics, 2018, 5, 1912-1918.	3.2	41
28	Structural order, magnetic and intrinsic dielectric properties of magnetoelectric La 2 CoMnO 6. Journal of Alloys and Compounds, 2016, 661, 541-552.	2.8	38
29	One-pot synthesis of CdS@Nb2O5 coreâ€“shell nanostructures with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2014, 152-153, 403-412.	10.8	37
30	Raman-spectroscopic investigation of and perovskites. Journal of Solid State Chemistry, 2007, 180, 2143-2148.	1.4	36
31	Thermal enhancement of chemical doping in graphene: a Raman spectroscopy study. Journal of Physics Condensed Matter, 2010, 22, 334202.	0.7	36
32	Enhanced dielectric response of GeO2-doped CaCu3Ti4O12 ceramics. Journal of Applied Physics, 2009, 105, .	1.1	35
33	Vibrational spectroscopic study of Sr₂ZnTeO₆ double perovskites. Journal of Raman Spectroscopy, 2010, 41, 702-706.	1.2	35
34	Influence of the Matrix on the Red Emission in Europium Self-Activated Orthoceramics. Journal of Physical Chemistry C, 2015, 119, 17825-17835.	1.5	35
35	Synchrotron X-ray diffraction and Raman spectroscopy of Ln3NbO7 (Ln=La, Pr, Nd, Sm-Lu) ceramics obtained by molten-salt synthesis. Journal of Solid State Chemistry, 2014, 209, 63-68.	1.4	34
36	Raman scattering study of RETiTaO6 dielectric ceramics. Journal of the European Ceramic Society, 2003, 23, 2661-2666.	2.8	33

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37	Raman-spectroscopic investigations on the crystal structure and phonon modes of Ba(RE1/2Ta1/2)O3 microwave ceramics. Journal of the European Ceramic Society, 2007, 27, 2803-2809.	2.8	33
38	Hybrid systems based on gold nanostructures and porphyrins as promising photosensitizers for photodynamic therapy. Colloids and Surfaces B: Biointerfaces, 2017, 150, 297-307.	2.5	33
39	Relaxor ferroelectric behavior of Î³-irradiated poly(vinylidene fluoride-trifluoroethylene) copolymers. Physical Review B, 2003, 67, .	1.1	32
40	Low-loss Ca5â^'xSrxA2TiO12[A=Nb,Ta] ceramics: Microwave dielectric properties and vibrational spectroscopic analysis. Journal of Applied Physics, 2005, 97, 104108.	1.1	31
41	Thermal and dielectric behaviors of poly(vinylidene fluoride-trifluoroethylene) copolymers at the curie transition. Journal of Polymer Science, Part B: Polymer Physics, 1989, 27, 709-722.	2.4	30
42	Intrinsic dielectric properties of magnetodielectric La2CoMnO6. Journal of Applied Physics, 2015, 117, .	1.1	30
43	Solid-State Sintering of Hydrothermal Powders: Densification and Grain Growth Kinetics of Nickelâ€“Zinc Ferrites. Materials Research Bulletin, 1998, 33, 475-486.	2.7	29
44	Conductivity behavior of n-type semiconducting ferrites from hydrothermal powders. Journal of Materials Research, 1998, 13, 2190-2194.	1.2	29
45	Langmuirâ€“Blodgett and Langmuirâ€“Schaefer films of poly(5-amino-1-naphthol) conjugated polymer. Applied Surface Science, 2006, 253, 543-548.	3.1	29
46	Crystal structure, Raman spectroscopy, far-infrared, and microwave dielectric properties of (1â^'x)La(MgSn)0.5O3â€“xNd(MgSn)0.5O3 system. Journal of Applied Physics, 2008, 103, .	1.1	28
47	Elastic and magnetic effects on the infrared phonon spectra of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>MnF</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2010, 82, .	1.1	28
48	Raman and infrared study of hydroxyl sites in natural uvite, fluor-uvite, magnesio-foitite, dravite and elbaite tourmalines. Physics and Chemistry of Minerals, 2014, 41, 247-254.	0.3	28
49	Microwave-hydrothermal preparation of alkaline-earth-metal tungstates. Journal of Materials Science, 2010, 45, 6083-6093.	1.7	27
50	A pseudo-spin model for poly(vinylidene fluoride-trifluoroethylene) copolymers. Polymer, 1993, 34, 3107-3108.	1.8	26
51	Sintering studies of hydrothermal NiZn ferrites. Journal of Physics and Chemistry of Solids, 1997, 58, 543-549.	1.9	26
52	Temperature-dependent Raman study of taurine single crystal. Journal of Raman Spectroscopy, 2001, 32, 751-756.	1.2	26
53	Phenomenological Study of Diffuse Phase Transitions. Journal of the Physical Society of Japan, 1992, 61, 1992-1995.	0.7	25
54	Structural and kinetic transitions in P(VDFâ€“TrFE)/PMMA blends. Polymer, 1999, 40, 4465-4471.	1.8	25

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55	Polarized Micro-Raman Scattering of CaNb₂O₆ Single Crystal Fibers Obtained by Laser Heated Pedestal Growth. Crystal Growth and Design, 2010, 10, 1569-1573.	1.4	25
56	Dielectric behavior of P(VDF-TrFE)/PMMA blends. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 2996-3002.	2.4	24
57	Polarized Micro-Raman Spectroscopy of Ba(Mg1/3Nb2/3)O3 Single Crystal Fibers. Crystal Growth and Design, 2005, 5, 1457-1462.	1.4	24
58	Monitoring the Structural and Vibrational Properties in RE-Doped SrTiO₃ Ceramic Powders. Journal of Physical Chemistry C, 2016, 120, 16960-16968.	1.5	24
59	Raman and birefringence studies of the low-temperature phase transitions inLiK1â^'xRbxSO4crystals. Physical Review B, 1995, 52, 12591-12600.	1.1	23
60	Structure and conductivity in polydioxolane/LiCF3SO3 electrolytes. Electrochimica Acta, 2001, 46, 1493-1498.	2.6	23
61	Optical phonon modes and crystal structure of NaLaF4 single crystals. Journal of Applied Physics, 2006, 99, 053510.	1.1	23
62	Lanthanide Orthoantimonate Light Emitters: Structural, Vibrational, and Optical Properties. Chemistry of Materials, 2014, 26, 6351-6360.	3.2	23
63	Disorder-induced symmetry lowering in theCsInMgF6pyrochlore crystal. Physical Review B, 2002, 66, .	1.1	22
64	Raman scattering study of the high temperature phase transitions of NaTaO3. Journal of the European Ceramic Society, 2007, 27, 3683-3686.	2.8	22
65	Anchoring, memory and relaxation phenomena in the phase transition of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.7	21
66	Comment on â€œIntrinsic Ferroelectric Coercive Fieldâ€• Physical Review Letters, 2002, 88, 179701; author reply 179702.	2.9	21
67	Crystal structure and phonon modes of ilmeniteâ€type NaBiO₃ investigated by Raman and infrared spectroscopies. Journal of Raman Spectroscopy, 2010, 41, 698-701.	1.2	21
68	Electrical and dielectric investigations of the conduction processes in crystals. Journal of Physics Condensed Matter, 1998, 10, 5161-5170.	0.7	20
69	Influence of thermal treatment on the Raman, infrared and TL responses of natural topaz. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 230-235.	0.6	20
70	Raman and infrared spectroscopic investigations on the crystal structure and phonon modes of LaYbO3ceramics. Journal of Physics Condensed Matter, 2005, 17, 2775-2781.	0.7	20
71	Disorderâ€induced symmetry lowering in Ba(Y_{1/2}Nb_{1/2})O₃ ceramics probed by Raman spectroscopy. Journal of Raman Spectroscopy, 2008, 39, 1805-1810.	1.2	20
72	Crystal structure of fluorite-related Ln3SbO7 (Ln=Laâ€“Dy) ceramics studied by synchrotron X-ray diffraction and Raman scattering. Journal of Solid State Chemistry, 2013, 203, 326-332.	1.4	20

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73	Infrared Spectroscopic Investigations in Ordered Barium Magnesium Niobate Ceramics. Journal of the American Ceramic Society, 2003, 86, 1985-1987.	1.9	19
74	Microwave and infrared dielectric properties of Sr_{1â^'3x/2}Ce_xTiO₃(x= 0.154â€“0.400) incipient ferroelectrics at cryogenic temperatures. Journal Physics D: Applied Physics, 2009, 42, 075411.	1.3	19
75	Infrared reflectivity of the phonon spectra in multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TbMnO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></m Physical Review B, 2010, 82, .	1.1	19
76	Investigation of Polymorphism and Vibrational Properties of MnMoO₄Microcrystals Prepared by a Hydrothermal Process. Crystal Growth and Design, 2018, 18, 2474-2485.	1.4	19
77	Thermal and dielectric investigations of the curie transition in Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td (fluo	0.6	18
78	Biosorption of copper ions by dried leaves: chemical bonds and site symmetry. Hydrometallurgy, 2003, 71, 277-283.	1.8	18
79	Asymmetric line shape in the emission spectra of conjugated polymer thin films: An experimental signature of one-dimensional electronic states. Journal of Chemical Physics, 2004, 121, 3836-3839.	1.2	17
80	Crystal structure and vibrational spectrum of the NaCaMg2F7 pyrochlore. Journal of Solid State Chemistry, 2004, 177, 2943-2950.	1.4	17
81	Structure and Microwave Dielectric Properties of Low Firing <scp><scp>Bi</scp></scp>₂<scp><scp>Te</scp></scp>₂<scp><scp>W</scp></scp>₃<scp><sc Ceramics. Journal of the American Ceramic Society, 2014, 97, 1096-1102.	1.3	17
82	The diffuse behavior of the ferroelectric transition in poly(vinylidene fluoride-trifluoroethylene) copolymers. Journal of Polymer Science, Part B: Polymer Physics, 1994, 32, 953-959.	2.4	16
83	Raman and infrared spectroscopic studies of the Li3Na3In2F12fluoride garnet. Journal of Physics Condensed Matter, 2002, 14, 271-280.	0.7	16
84	Micro Far-Infrared Reflectivity of CaNb₂O₆ Single Crystal Fibers Grown by the Laser-Heated Pedestal Growth Technique. Crystal Growth and Design, 2011, 11, 3472-3478.	1.4	16
85	Raman and infrared spectroscopic investigations of a ferroelastic phase transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>ZnTe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> double perovskite. Physical Review Materials, 2018, 2, .	0.9	16
86	Micro far-infrared dielectric response of lanthanide orthotantalates for applications in microwave circuitry. Journal of Alloys and Compounds, 2017, 693, 1243-1249.	2.8	15
87	The effects of salt concentration on cation complexation in triblock-polyether electrolyte. Physical Chemistry Chemical Physics, 2003, 5, 2424.	1.3	14
88	Vibrational spectrum and lattice dynamics of KY3F10 single crystals. Vibrational Spectroscopy, 2005, 37, 21-26.	1.2	14
89	Synthesis and characterisation of La0.4Ba0.6Ti0.6RE0.4O3 (where RE=Y, Yb) ceramics. Journal of the European Ceramic Society, 2006, 26, 1947-1951.	2.8	14
90	Vibrational Spectroscopy and Electronâ^'Phonon Interactions in Microwave-Hydrothermal Synthesized Ba(Mn_{1/3}Nb_{2/3})O₃Complex Perovskites. Journal of Physical Chemistry B, 2009, 113, 9749-9755.	1.2	14

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91	Spectroscopic characterization of transition metal impurities in natural montebrasite/amblygonite. American Mineralogist, 2011, 96, 42-52.	0.9	14
92	Raman and Infrared Phonon Features in a Designed Cubic Polymorph of CaTa₂O₆. Crystal Growth and Design, 2011, 11, 5567-5573.	1.4	14
93	Almeidaite, Pb(Mn,Y)Zn₂(Ti,Fe³⁺)₁₈O₃₆(O,OH)₂, a new crichtonite-group mineral, from Novo Horizonte, Bahia, Brazil. Mineralogical Magazine, 2015, 79, 269-283.	0.6	14
94	Exfoliation and characterization of a two-dimensional serpentine-based material. Nanotechnology, 2019, 30, 445705.	1.3	14
95	Synthesis and Î¼-Raman scattering of Ruddlesden-Popper ceramics Sr3Ti2O7, SrLa2Al2O7 and Sr2LaAlTiO7. Journal of Alloys and Compounds, 2017, 725, 77-83.	2.8	13
96	Polymorphism and Opticalâ€“Vibration Properties of MnV₂O₆Â·nH₂O (n = 0, 2, 4) Prepared by Microwave Irradiation. Crystal Growth and Design, 2019, 19, 3233-3243.	1.4	13
97	Submillimeter infrared absorption and chain conformations of poly(vinylidene fluoride) and copolymers. II. Phase transition analysis. Journal of Polymer Science, Part B: Polymer Physics, 1987, 25, 1717-1723.	2.4	12
98	Thermally induced stacking of octadecylphosphonic acid self-assembled bilayers. Nanotechnology, 2004, 15, 682-686.	1.3	12
99	Infrared reflectivity and intrinsic dielectric behavior of RETiTaO6 (RE = Y, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy,) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	12
100	Polarizationâ€resolved Raman modes of monoclinic SrAl₂O₄ ceramics. Journal of Raman Spectroscopy, 2018, 49, 1514-1521.	1.2	12
101	Hydrothermal synthesis and sintering of electroceramics. Journal of the European Ceramic Society, 1999, 19, 1027-1031.	2.8	11
102	Polarized micro-Raman spectroscopy of oriented A(Bâ€²1/3Bâ€³2/3)O3 powders and microwave ceramics. Journal of the European Ceramic Society, 2005, 25, 2843-2847.	2.8	11
103	Relaxor ferroelectric behavior of poly(vinylidene fluoride-trifluorethylene) copolymer modified by low energy irradiation. Applied Physics Letters, 2006, 88, 192903.	1.5	11
104	Production of Sr-deficient bismuth tantalates from microwaveâ€“hydrothermal derived precursors: Structural and dielectric properties. Journal of Physics and Chemistry of Solids, 2007, 68, 645-649.	1.9	11
105	Room-temperature vibrational properties of the BiMn2O5 mullite. Vibrational Spectroscopy, 2013, 66, 43-49.	1.2	11
106	Raman and infrared spectroscopic studies of LaTaTiO6 polymorphs. Journal of Alloys and Compounds, 2017, 710, 608-615.	2.8	11
107	Hydrothermal synthesis and polarized micro-Raman spectroscopy of copper molybdates. Ceramics International, 2018, 44, 12426-12434.	2.3	11
108	A Spectroscopic Study in the PIM Region of Poly(Vinylidene Fluoride) and Copolymers. IEEE Transactions on Electrical Insulation, 1986, EI-21, 525-528.	0.8	10

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109	Contribution of defects to the ferroelectric to paraelectric phase transition in polyvinylidenefluoride trifluoroethylene copolymers. IEEE Transactions on Electrical Insulation, 1989, 24, 443-448.	0.8	10
110	Smearing of the reconstructive phase transition in pure and mixedLiK1â^'xRbxSO4crystals. Physical Review B, 1997, 56, 10722-10725.	1.1	10
111	Phase diagram of mixed LiK1-xRbxSO4 crystals. Solid State Communications, 1998, 107, 193-196.	0.9	10
112	Nanometric powders and sintered ceramics studied by atomic force microscopy. Journal of Materials Research, 1998, 13, 223-227.	1.2	10
113	Infrared-spectroscopic study of orthorhombic YF3 and LuF3 single crystals. Vibrational Spectroscopy, 2005, 39, 244-248.	1.2	10
114	Optical phonon modes and infrared dielectric properties of monoclinic CoWO₄microcrystals. Journal Physics D: Applied Physics, 2016, 49, 045305.	1.3	10
115	Infrared dispersion analysis and Raman scattering spectra of taurine single crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 276-284.	2.0	10
116	An X-ray scattering study of the low-temperature phase transitions of LiKSO4. Journal of Physics Condensed Matter, 1995, 7, 8445-8452.	0.7	9
117	Crystal structures and phonon modes of Ba(Ca_{1/2}W_{1/2})O₃, Ba(Ca_{1/2}Mo_{1/2})O₃ and Ba(Sr_{1/2}W_{1/2})O₃ complex perovskites investigated by Raman scattering. Journal of Raman Spectroscopy, 2010, 41, 93-97.	1.2	9
118	New insight on the use of diffuse reflectance spectroscopy for the optical characterization of Ln2Ge2O7 (Ln = lanthanides) pyrogermanates. Journal of Luminescence, 2021, 238, 118312.	1.5	9
119	Electrical conductivity of Î±-LiIO3 acid type crystals at 1 kHz. Solid State Communications, 1995, 93, 1013-1017.	0.9	8
120	Raman scattering study of the orthorhombic-to-tetragonal phase transition of aLi3ThF7crystal. Physical Review B, 1999, 60, 9983-9989.	1.1	8
121	Crystalline structure of SrAlF5investigated by vibrational spectroscopy. Journal of Physics Condensed Matter, 2004, 16, 7511-7520.	0.7	8
122	Polarized Raman scattering and infrared spectroscopy of a natural manganocolumbite single crystal. Journal of Raman Spectroscopy, 2010, 41, 1044-1049.	1.2	8
123	Structural, optical-vibration and magnetic properties of tetragonal lanthanide pyrogermanates obtained by molten-salt synthesis. Journal of Magnetism and Magnetic Materials, 2019, 482, 160-167.	1.0	8
124	Submillimeter infrared absorption and chain conformations of poly(vinylidene fluoride) and copolymers. I. Crystalline and amorphous contributions. Journal of Polymer Science, Part B: Polymer Physics, 1987, 25, 1913-1921.	2.4	7
125	Dielectric response of Î±-LiIO3 acid type crystals. Solid State Communications, 1998, 105, 481-484.	0.9	7
126	Vibrational spectroscopy and microwave dielectric properties of Ca5â^'xBaxNb2TiO12 and Ca5â^'xBaxTa2TiO12 ceramics. Journal of Applied Physics, 2005, 98, 084105.	1.1	7

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127	Decarboxylation of Oxidized Single-Wall Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2007, 7, 3421-3430.	0.9	7
128	Infrared and ultravioletâ€“visible spectroscopy study of the degradation of polyester and polyester/ethylene methyl acrylate copolymer blend coatings on steel. Journal of Applied Polymer Science, 2008, 109, 2103-2112.	1.3	7
129	Intrinsic and extrinsic dielectric responses of CaCu3Ti4O12 thin films. Journal of Applied Physics, 2011, 110, .	1.1	7
130	Vibrational spectroscopy and intrinsic dielectric properties of Sr2RE8(SiO4)6O2 (REÂ=Ârare earth) ceramics. Materials Research Bulletin, 2022, 146, 111616.	2.7	7
131	PvP150. Diffuse phase transition in ferroelectric polymers. Ferroelectrics, 1992, 134, 247-252.	0.3	6
132	Single-crystal structure determination and infrared reflectivity study of the Li2CaHfF8 scheelite. Journal of Physics Condensed Matter, 2002, 14, 5485-5495.	0.7	6
133	Ferroelectric Behavior of P(VDF-TrFE)/PMMA Low-Crystallinity Blends. Ferroelectrics, 2002, 268, 101-106.	0.3	6
134	Vibrational spectrum of Na2ThF6 single crystals. Vibrational Spectroscopy, 2003, 31, 159-166.	1.2	6
135	Measurement of the Emitted Light Polarization State in Oriented and Non-Oriented PPV Films. Macromolecular Symposia, 2006, 245-246, 406-409.	0.4	6
136	Optical phonon characteristics of incommensurate and commensurate modulated phases of Bi3NbO7 ceramics. Journal of Applied Physics, 2008, 103, 094108.	1.1	6
137	Electrocaloric Effect in Î³-Irradiated P(VDF-TrFE) Copolymers with Relaxor Features. Ferroelectrics, 2013, 446, 1-8.	0.3	6
138	High-temperature antiferroelectric and ferroelectric phase transitions in phase pure LaTaO 4. Ceramics International, 2017, 43, 1543-1551.	2.3	6
139	Optical-vibration properties of Li2ZnGeO4 dielectric ceramics. Vibrational Spectroscopy, 2020, 110, 103130.	1.2	6
140	Dielectric Properties of Hydrothermal Nickel-Zinc Ferrites. Journal De Physique III, 1996, 6, 843-852.	0.3	6
141	Phase transition sequence ofLi3ThF7crystals. Physical Review B, 1997, 56, 7755-7758.	1.1	5
142	Electro-optic properties of LiKSO 4 and LiK 1-x Rb x SO 4 crystals. Applied Physics B: Lasers and Optics, 1998, 67, 559-562.	1.1	5
143	AFM studies of poly (5-amino-1-naphthol) ultrathin films obtained by associating Langmuirâ€“Schaefer and Langmuirâ€“Blodgett methods. Synthetic Metals, 2004, 145, 147-151.	2.1	5
144	Electrocaloric effect in low-crystallinity ferroelectric polymers. Applied Physics Letters, 2012, 100, .	1.5	5

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145	Vibronic singlet and triplet steady-state interplay emissions in phenazine-based 1,2,3-triazole films. Chemical Physics Letters, 2018, 695, 176-182.	1.2	5
146	A soft chemistry approach to preparing (de)sodiated transition-metal hydroxy molybdates. CrystEngComm, 2020, 22, 1939-1955.	1.3	5
147	Optical-vibration and intrinsic dielectric properties of low-k high-Q Zn2GeO4 ceramics. Journal of Physics and Chemistry of Solids, 2021, 148, 109693.	1.9	5
148	Polymorphism in Gd2Ge2O7 ceramics: Structural, vibrational, and optical features. Ceramics International, 2021, 47, 15202-15209.	2.3	5
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