

Carlos Wa Paschoal

List of Publications by Year in descending order

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71
papers

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citations

304743

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docs citations

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times ranked

2157
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#	ARTICLE	IF	CITATIONS
1	Vibrational spectra of monazite-type rare-earth orthophosphates. <i>Optical Materials</i> , 2006, 29, 224-230.	3.6	131
2	Chemical Substitution in Ba(RE ₁ /2Nb ₁ /2)O ₃ (RE = La, Nd, Sm, Gd, Tb, and Y) Microwave Ceramics and Its Influence on the Crystal Structure and Phonon Modes. <i>Chemistry of Materials</i> , 2006, 18, 214-220.	6.7	88
3	Printed and flexible biosensor for antioxidants using interdigitated ink-jetted electrodes and gravure-deposited active layer. <i>Biosensors and Bioelectronics</i> , 2015, 67, 553-559.	10.1	84
4	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
5	Concentration of Charge Carriers, Migration, and Stability in Li ₃ OCl Solid Electrolytes. <i>Chemistry of Materials</i> , 2014, 26, 7137-7144.	6.7	68
6	Spin-phonon coupling in Y ₂ NiMnO ₆ double perovskite probed by Raman spectroscopy. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	66
7	Tolerance factor for pyrochlores and related structures. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2013, 69, 439-445.	1.1	54
8	Temperature-dependent Raman scattering studies of Na ₂ MoO ₄ . <i>Journal of Raman Spectroscopy</i> , 2008, 39, 937-941.	2.5	52
9	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
10	The effect of cobalt substitution in crystal structure and vibrational modes of CuFe ₂ O ₄ powders obtained by polymeric precursor method. <i>Journal of Alloys and Compounds</i> , 2014, 584, 573-580.	5.5	48
11	DFT and CCSD(T) electronic properties and structures of aluminum clusters: Al _n (n=1-9, x=0, ±1). <i>Chemical Physics Letters</i> , 2013, 568-569, 42-48.	2.6	39
12	Structural order, magnetic and intrinsic dielectric properties of magnetoelectric La ₂ CoMnO ₆ . <i>Journal of Alloys and Compounds</i> , 2016, 661, 541-552.	5.5	38
13	Raman scattering study of RETiTaO ₆ dielectric ceramics. <i>Journal of the European Ceramic Society</i> , 2003, 23, 2661-2666.	5.7	33
14	Ba-doping effects on structural, magnetic and vibrational properties of disordered La ₂ NiMnO ₆ . <i>Journal of Alloys and Compounds</i> , 2016, 663, 899-905.	5.5	33
15	Li ⁺ interstitials as the charge carriers in superionic lithium-rich anti-perovskites. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1586-1590.	10.3	32
16	Spin-phonon and magnetostriction phenomena in CaMn ₇ O ₁₂ helimagnet probed by Raman spectroscopy. <i>Applied Physics Letters</i> , 2014, 105, 222902.	3.3	31
17	Intrinsic dielectric properties of magnetodielectric La ₂ CoMnO ₆ . <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	30
18	Spin-phonon coupling in Gd(Co ₁ /2Mn ₁ /2)O ₃ perovskite. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	27

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19	Relaxations in Ba ₂ BiSbO ₆ double complex perovskite ceramics. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	26
20	Spin-phonon coupling in multiferroic Y ₂ CoMnO ₆ . <i>Journal of Alloys and Compounds</i> , 2017, 690, 909-915.	5.5	25
21	Collagen films from swim bladders: Preparation method and properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 62, 17-21.	5.0	24
22	Temperature-dependent Raman spectra of Bi ₂ Sn ₂ O ₇ ceramics. <i>Vibrational Spectroscopy</i> , 2013, 64, 172-177.	2.2	24
23	Disorder-induced symmetry lowering in the CsInMgF ₆ pyrochlore crystal. <i>Physical Review B</i> , 2002, 66, .	3.2	22
24	Structural phase transitions under pressure in rare earth trioxides compounds with tysonite structure. <i>Solid State Communications</i> , 2005, 136, 538-542.	1.9	22
25	Spin-phonon coupling in BaFe ₁₂ O ₁₉ M-type hexaferrite. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	22
26	Low-temperature Raman spectra of Sr _{0.66} Ba _{0.34} Nb ₂ O ₆ single-crystal fibers. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 826-830.	2.5	20
27	Ordering and phonons in Ba ₃ CaNb ₂ O ₉ complex perovskite. <i>Materials Research Bulletin</i> , 2013, 48, 3298-3303.	5.2	20
28	Infrared Spectroscopic Investigations in Ordered Barium Magnesium Niobate Ceramics. <i>Journal of the American Ceramic Society</i> , 2003, 86, 1985-1987.	3.8	19
29	About the SDS inclusion in PDMS/TEOS ORMOSIL: a vibrational spectroscopy and confocal Raman scattering study. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1601-1605.	2.5	17
30	Radioluminescence enhancement in Eu ³⁺ -doped Y ₃ Al ₅ O ₁₂ phosphors by Ga substitution. <i>Optical Materials</i> , 2015, 46, 530-535.	3.6	17
31	Vibrational properties and infrared dielectric features of Gd ₂ CoMnO ₆ and Y ₂ CoMnO ₆ double perovskites. <i>Ceramics International</i> , 2019, 45, 4756-4762.	4.8	17
32	Raman and infrared spectroscopic studies of the Li ₃ Na ₃ In ₂ F ₁₂ fluoride garnet. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 271-280.	1.8	16
33	In situ investigation of Ba-substitution effect on the Eu ³⁺ →Eu ²⁺ conversion in SrAl ₂ O ₄ :Eu phosphor. <i>Journal of Alloys and Compounds</i> , 2017, 708, 79-83.	5.5	15
34	Raman evidence for presence of high-temperature ferromagnetic clusters in magnetodielectric compound Ba-doped La ₂ NiMnO ₆ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 125-129.	3.9	15
35	Infrared reflectivity and intrinsic dielectric behavior of RE ₂ TiTaO ₆ (RE = Y, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy,) Tj ETQq1 1 0,784314 rgBT /Over	2.6	12
36	Vibrational spectra of Ba ₂ Cu(HCOO) ₆ crystals. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 491-495.	2.5	11

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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	Synthesis and structural ordering of nano-sized Ba ₃ Ba ²⁺ Nb ₂ O ₉ (Ba ²⁺ = Ca and Zn) powders. <i>Ceramics International</i> , 2014, 40, 5921-5930.	4.8	10
39	Role of rare-earth ionic radii on the spin-phonon coupling in multiferroic ordered double perovskites. <i>Materials Research Express</i> , 2015, 2, 075201.	1.6	10
40	Spin-phonon coupling in monoclinic BiCrO ₃ . <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	10
41	Temperature-dependent Raman scattering study of Fe ₃ O ₂ BO ₃ ludwigite. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 1-5.	2.5	8
42	About the mechanism of the reconstructive structural phase transition underwent by tysonite under pressure. <i>Physica B: Condensed Matter</i> , 2007, 391, 228-230.	2.7	8
43	Atomistic simulation of the crystal structure and bulk properties of (, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Y,) Tj ETQq1 1 0.784314 ggBT /Over 4.0	4.0	8
44	Mechanism of luminescent enhancement in Ba ₂ GdNbO ₆ :Eu ³⁺ perovskite by Li ⁺ co-doping. <i>Journal of Luminescence</i> , 2015, 158, 75-80.	3.1	8
45	Spin-phonon coupling in melanothallite Cu ₂ OCl ₂ . <i>Applied Physics Letters</i> , 2018, 113, .	3.3	8
46	Temperature-Dependent Raman Study of CaCu(HCOO) ₄ and Ca ₂ Cu(HCOO) ₆ Crystals. <i>Journal of Solid State Chemistry</i> , 2000, 154, 338-343.	2.9	7
47	Phonons in isostructural compounds CuxM1?x(HCOO)2i;1/2H2O (M = Mn, Co, Ni, Zn, and Cd): a Raman scattering study. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 273-277.	2.5	7
48	Impedance spectroscopy investigation of the water-in-oil microemulsions formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 325-328.	5.0	7
49	Ionic conductivity in Bi ₂ Sn ₂ O ₇ ceramics. <i>Ceramics International</i> , 2012, 38, 1275-1279.	4.8	7
50	Pressure-induced structural phase transition in multiferroic KBiFe ₂ O ₅ . <i>Journal of Alloys and Compounds</i> , 2019, 787, 1195-1203.	5.5	7
51	Luminescent properties of Li(Ga _{1-x} Cr _x) ₅ O ₈ (LGCO) phosphors. <i>Ceramics International</i> , 2020, 46, 15779-15785.	4.8	7
52	Single-crystal structure determination and infrared reflectivity study of the Li ₂ CaHfF ₈ scheelite. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 5485-5495.	1.8	6
53	Vibrational spectrum of Na ₂ ThF ₆ single crystals. <i>Vibrational Spectroscopy</i> , 2003, 31, 159-166.	2.2	6
54	Thermal behavior in Pr(HCOO) ₃ crystals. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 159-164.	2.5	6

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55	Behavior of the elastic and mechanical properties of Ba ₂ BiTaO ₆ compound under pressure changes. Computational Materials Science, 2007, 40, 417-420.	3.0	6
56	Relaxations in Ba ₂ BiTaO ₆ ceramics investigated by impedance and electric modulus spectroscopies. Materials Research Bulletin, 2012, 47, 878-882.	5.2	6
57	Co-doping effect of Ca ²⁺ on luminescent properties of BaAl ₂ O ₄ : Eu ³⁺ phosphors. Journal of Electron Spectroscopy and Related Phenomena, 2018, 225, 62-65.	1.7	5
58	Optical phonon features in ferroelectric Bi ₃ Fe _{1/2} Nb _{3/2} O ₉ . Vibrational Spectroscopy, 2012, 63, 409-417.	2.2	4
59	Spin-phonon coupling in the incommensurate magnetic ordered phase of orthorhombic TmMnO ₃ . Journal of Physics and Chemistry of Solids, 2021, 154, 110044.	4.0	4
60	Monoclinic-orthorhombic phase transition in Ba ₂ Cu(HCOO) ₆ crystals: a Raman scattering study. Journal of Raman Spectroscopy, 2002, 33, 37-41.	2.5	3
61	Computer modeling of Ba ₂ RE ₃ NbO ₆ (RE ³⁺) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	3
62	Ionic properties of an organic-inorganic sol-gel hybrid based on polydimethylsiloxane and tetraethoxysilane doped with sodium dodecyl sulfate. Journal of Applied Polymer Science, 2010, 115, 851-854.	2.6	3
63	Probing phase formation and structural ordering in Ba ₃ ZnNb ₂ O ₉ films using confocal Raman microscopy. Vibrational Spectroscopy, 2014, 72, 8-14.	2.2	3
64	Impact of Co-doping on the structural and magnetic properties of multiferroic CaMn ₇ O ₁₂ . Journal of Alloys and Compounds, 2018, 740, 559-566.	5.5	2
65	Computer modelling of Bi ₁₂ SiO ₂₀ and Bi ₄ Si ₃ O ₁₂ : Intrinsic defects and rare earth ion incorporation. Journal of Solid State Chemistry, 2020, 292, 121608.	2.9	2
66	Low-temperature phase transition in CsInF ₄ . Solid State Communications, 2002, 122, 549-551.	1.9	1
67	Sequence of structural phase transitions of CsInF ₄ crystal. Solid State Communications, 2004, 129, 539-543.	1.9	1
68	ENERGY TRANSFER BETWEEN LIGHT WAVES IN NONLINEAR MEDIA WITH TWO DIFFERENT RESPONSE TIMES. Modern Physics Letters B, 1999, 13, 541-546.	1.9	0
69	Computer simulation of Na ₂ ThF ₆ single crystals: prediction of a phase transition under hydrostatic pressures. Journal of Physics Condensed Matter, 2008, 20, 165202.	1.8	0
70	High-temperature structural phase transition and infrared dielectric features of La ₂ CoMnO ₆ . Materials Research Bulletin, 2020, 129, 110878.	5.2	0
71	Aspectos Gemol3gicos de Ametistas de Quixeramobim, Brasil. Anuario Do Instituto De Geociencias, 0, 44, .	0.2	0