Jesiel F Carvalho

List of Publications by Year
in descending order

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67 papers	677 citations	687363 13 h-index	677142 22 g-index
67 all docs	67 docs citations	67 times ranked	494 citing authors

#	Article	IF	Citations
1	Guanidinium substitution-dependent phase transitions, ionic conductivity, and dielectric properties of MAPbI₃. Chemical Communications, 2022, 58, 2212-2215.	4.1	8
2	Synthesis and visible down- and up-conversion emissions from Yb3+/Ho3+/Tm3+ Co-Doped Y4Al2O9 (YAM) nanocrystalline particles. Journal of Luminescence, 2020, 227, 117554.	3.1	2
3	Near-infrared holographic photorefractive recording under applied electric field in undoped Bi12TiO20 sillenite crystal. Optical Materials, 2020, 108, 110398.	3.6	9
4	Electrical and photoelectrical properties of Bi2TeO5 single crystals. Optical Materials, 2019, 94, 398-402.	3.6	4
5	Study of Crystalline Phases in the 3Bi2O3:2TeO2 and Bi6-xTbxTe2O13 Systems for Fuel Cell Applications. , 2019, , .		0
6	New solvates of the drug naltrexone: protonation, conformation and interplay of synthons. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 274-282.	0.5	2
7	Development of oxyfluoroborate glass ceramics doped with Er3+ and Yb3+. Journal of Materials Science: Materials in Electronics, 2018, 29, 5472-5479.	2.2	2
8	Crystal growth and optical characterization of chromium-doped l-arginine phosphate monohydrate. Physica B: Condensed Matter, 2018, 545, 390-396.	2.7	1
9	On the optical and magnetic studies of YCrO3 perovskites. Physica B: Condensed Matter, 2018, 546, 67-72.	2.7	15
10	Structural and spectroscopic properties of Eu3+ doped Y4Al2O9 compounds through a soft chemical process. Journal of Luminescence, 2018, 204, 513-519.	3.1	13
11	Recording and erasure of photorefractive holograms in undoped BTO crystal at moderate to high intensities of 6397â€‰â€‰nm laser under action of 532â€‰â€‰nm laser pre-illumination. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2018, 35, 1919.	1.5	5
12	Nonlinear photovoltaic effect in Sillenite photorefractive crystals. Optical Materials, 2017, 66, 72-78.	3.6	7
13	Crystal growth and optical characterization of terbium and niobium doped BTO single crystals. Optica Pura Y Aplicada, 2017, 50, 411-416.	0.1	1
14	Photoconductivity and photoconversion at a photorefractive thin crystal plate. Optical Materials, 2016, 55, 160-163.	3.6	6
15	The effect of Cu II ions in l- asparagine single crystals. Physica B: Condensed Matter, 2016, 501, 84-89.	2.7	7
16	NIR luminescence from erbium doped (100â˜’ x)SiO 2 : x ZnO powders obtained by soft chemical synthesis. Journal of Luminescence, 2016, 170, 663-670.	3.1	3
17	Photovoltaic effect in Bi2TeO5 photorefractive crystal. Applied Physics Letters, 2015, 107, .	3.3	10
18	Holographic recording and characterization of photorefractive Bi2TeO5 crystals at 633â€‰nm wavelength light. Journal of Applied Physics, 2014, 115, .	2.5	9

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19	Electron paramagnetic resonance study of ternary CuII compounds with glycine and phenanthroline. Journal of Chemical Sciences, 2014, 126, 255-264.	1.5	3
20	Optical properties of lead diborate glass ceramics doped with Ce and Eu. Journal of Non-Crystalline Solids, 2014, 401, 181-185.	3.1	10
21	Nonlinear light-induced absorption in Bi_2TeO_5 photorefractive crystals. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2677.	2.1	4
22	Crystal growth of Bi2TeO5 by a double crucible Czochralski method. Journal of Crystal Growth, 2014, 401, 795-797.	1.5	10
23	Photoelectric Conversion Effect in Non-Photovoltaic Photorefractive Materials. , 2014, , .		0
24	Experimental determination of effective electro-optic coefficient and electric screening field factor in the electrically induced birefringent Bi12TiO20 crystal by using an oblique incidence setup. Optics Communications, 2013, 295, 197-202.	2.1	4
25	Holographic recording in photorefractive Bi2TeO5crystals at high intensity. , 2013, , .		1
26	Resonance running hologram velocity nonlinearity dependence upon light intensity in photorefractive crystals. Applied Physics Letters, 2013, 102, .	3.3	5
27	Structure and magnetism of catena-poly[copper(II)-Î¼-dichloro-l-lysine]hemihydrate: Copper chains with monochloride bridges. Polyhedron, 2012, 47, 53-59.	2.2	10
28	Electro-optic coefficient and wavelength dispersion in sillenite crystals. Applied Physics B: Lasers and Optics, 2011, 105, 301-304.	2.2	6
29	Specific heat measurements in pure and in (Cu, Mn, Fe, Ni)-doped single-crystals of l-arginine phosphate monohydrate. Journal of Physics and Chemistry of Solids, 2010, 71, 862-866.	4.0	9
30	Photoinduced Schottky Barrier in Photorefractive Materials. Physical Review Letters, 2010, 104, 116601.	7.8	6
31	Synthesis of YAP phase by a polymeric method and phase progression mechanisms. Journal of Thermal Analysis and Calorimetry, 2009, 96, 891-896.	3.6	7
32	Vanadium-doped photorefractive titanosillenite crystal. Applied Physics B: Lasers and Optics, 2009, 95, 475-482.	2.2	11
33	Synthesis of YAP nanopowder by a soft chemistry route. Journal of the European Ceramic Society, 2009, 29, 2511-2515.	5.7	24
34	Denisiuk-type reflection holography display with sillenite crystals for imaging and interferometry of small objects. Optics Communications, 2008, 281, 408-414.	2.1	11
35	Characterization of photorefractive undoped and doped sillenite crystals using holographic and photoconductivity techniques. Journal of Optics, 2008, 10, 104005.	1.5	17
36	Characterization of Photorefractive Materials Using Holographic and Photoconductivity Techniques. AIP Conference Proceedings, 2008, , .	0.4	0

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37	Compact setup for reflection holography with Bi[sub 12]TiO[sub 20] crystals. AIP Conference Proceedings, 2008, , .	0.4	1
38	Phenomenological characterization of photoactive centers in Bi12TiO20 crystals. Journal of Applied Physics, 2007, 101, 043101.	2.5	25
39	Synthesis, crystal structure and magnetic properties of a new dinuclear copper(II) amino acid complex [Cu2(l-arg)2(Î¼-HPO4-O)(Î¼-HPO4-O,Oâ€²)(Î¼-OH)]â¸Â·(H3O)+Â·(H2O)6. Polyhedron, 2007, 26, 5001-5008.	2.2	13
40	Surface analysis by two-diode laser photorefractive holography. Applied Physics B: Lasers and Optics, 2007, 87, 417-423.	2.2	6
41	Photochromism, bleaching and photorefractive recording in undoped Bi12TiO20 crystals in the visible and near infrared wavelength range. Optical Materials, 2007, 29, 462-467.	3.6	8
42	Growth, EPR and optical absorption spectra of l-threonine single crystals doped with Cu2+ ions. Journal of Physics and Chemistry of Solids, 2007, 68, 586-593.	4.0	7
43	EPR study of Cu(II) dopant ions in single crystals of bis(l-asparaginato)Zn(II). Journal of Physics and Chemistry of Solids, 2006, 67, 745-750.	4.0	7
44	Multi-wavelength holography in Bi12TiO20 crystals: Applications in refractometry. Optics Communications, 2006, 263, 189-196.	2.1	21
45	Single crystal EPR study of electronic structure and exchange interactions for copper(II)(l-arginine)2(SO4)Â·(H2O)6: a model system to study exchange interactions between unpaired spins in proteins. Journal of Inorganic Biochemistry, 2005, 99, 415-423.	3.5	22
46	Growth and optical characterization of cerium and lead-doped Bi12TiO20 sillenite single crystals. Crystal Research and Technology, 2005, 40, 847-851.	1.3	8
47	Direct near infrared photorefractive recording and pre-exposure controlled holeâ€“electron competition with enhanced recording in undoped Bi12TiO20. Applied Physics B: Lasers and Optics, 2005, 81, 651-655.	2.2	26
48	Phenomenological characterization of photoactive centers in undoped Bi12TiO20 crystals using optical and electrical techniques. , 2005, , .		0
49	Synthesis and Crystal Growth of Bi12[Ti(1-x)V0.8x]O20. , 2005, , .		0
50	Redetermination of bis(L-asparaginato)copper(II). Acta Crystallographica Section E: Structure Reports Online, 2004, 60, m1428-m1430.	0.2	7
51	Synthesis and crystal growth of sillenite phases in the Bi2O3-TiO2-Nb2O5 system. Crystal Research and Technology, 2004, 39, 868-872.	1.3	4
52	ConstruÃ§Ã£o de uma fonte de corrente e de uma sonda para medida de condutividade pelo mÃ©todo da sonda de quatro pontas. Quimica Nova, 2003, 26, 754-756.	0.3	2
53	Electron spin resonance of Cu 2+ impurities in l -arginine phosphate monohydrate single crystals. Journal of Physics and Chemistry of Solids, 2002, 63, 1857-1862.	4.0	11
54	Dark conductivity, photoconductivity, and light-induced absorption in photorefractive sillenite crystals. Journal of Applied Physics, 2001, 90, 2635-2641.	2.5	43

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55	Electric and dielectric properties of Bi12TiO20 single crystals. Journal of Applied Physics, 2000, 88, 283-287.	2.5	75
56	Temperature and partial oxygen pressure role on the electrical conductivity of Bi12Ti0.7Ga0.3O20 single crystal. Applied Physics Letters, 2000, 77, 4371-4373.	3.3	8
57	Synthesis, crystal growth and characterization of gamma-phase bismuth titanium oxide with gallium. Materials Research, 2000, 3, 92-96.	1.3	13
58	Optical and magnetic characterization of pure and vanadium-doped Bi12TiO20 sillenite crystals. Optical Materials, 1999, 13, 333-338.	3.6	17
59	Large Bi12TiO20 single crystals: a study of intrinsic defects and growth parameters. Journal of Crystal Growth, 1999, 205, 185-190.	1.5	15
60	Vanadium characterization in BTO: V sillenite crystals. Materials Research, 1999, 2, 87-91.	1.3	12
61	LAP single crystal growth free of microorganisms by an accurately controlled solvent evaporation technique. Journal of Crystal Growth, 1997, 173, 487-491.	1.5	18
62	<title>Stabilized holographic setup for the real-time continuous measurement of surface vibrational mode patterns</title>. , 1996, 2868, 205.		1
63	Growth and characterization of photorefractive Bi12TiO20 single crystals. Crystal Research and Technology, 1995, 30, 171-176.	1.3	21
64	The relation between temperature gradients and structural perfection of single-crystal Bi12SiO20 and Bi12TiO20 fibers grown by the LHPG method. Optical Materials, 1995, 4, 433-436.	3.6	2
65	The influence of temperature gradients on structural perfection of single-crystal sillenite fibers grown by the LHPG method. Optical Materials, 1995, 4, 521-527.	3.6	9
66	Microstructure of single-crystal sillenite fibers. Radiation Effects and Defects in Solids, 1995, 134, 209-211.	1.2	1
67	Growth of single-crystal photorefractive fibers of Bi12SiO20 and Bi12TiO20 by the laser-heated pedestal growth method. Journal of Crystal Growth, 1994, 137, 528-534.	1.5	32