

Hans T Langhammer

List of Publications by Year in descending order

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papers

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759233

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all docs

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docs citations

20
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	On the incorporation of nickel into hexagonal barium titanate: magnetic properties and electron paramagnetic resonance (EPR). <i>Journal of Materials Science</i> , 2021, 56, 4967-4978.	3.7	1
2	On the incorporation of iron into hexagonal barium titanate: II. Magnetic moment, electron paramagnetic resonance (EPR) and optical transmission. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 385702.	1.8	2
3	Defect properties of vanadium doped barium titanate ceramics. <i>Materials Research Express</i> , 2019, 6, 115210.	1.6	4
4	Theoretical investigation of iron incorporation in hexagonal barium titanate. <i>Physical Review B</i> , 2019, 100, .	3.2	6
5	Probing ferroelectricity in highly conducting materials through their elastic response: Persistence of ferroelectricity in metallic BaTiO_3 . <i>Physical Review B</i> , 2019, 99, .	3.2	22
6	On the incorporation of iron into hexagonal barium titanate: I. electron paramagnetic resonance (EPR) study. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 425701.	1.8	5
7	Ferromagnetic properties of barium titanate ceramics doped with cobalt, iron, and nickel. <i>Journal of Materials Science</i> , 2016, 51, 10429-10441.	3.7	17
8	Rotational instability of the electric polarization and divergence of the shear elastic compliance. <i>Physical Review B</i> , 2016, 93, .	3.2	11
9	Chromium point defects in hexagonal BaTiO_3 : A comparative study of first-principles calculations and experiments. <i>Physical Review B</i> , 2015, 91, .	3.2	17
10	Defect properties of cobalt-doped hexagonal barium titanate ceramics. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 295901.	1.8	17
11	Study of charged defects for substitutionally doped chromium in hexagonal barium titanate from first-principles theory. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 527-531.	2.4	15
12	Paramagnetic resonance study of nickel ions in hexagonal barium titanate. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 115903.	1.8	17
13	Jahn-Teller effect in $\text{BaTiO}_3:\text{Cr}^{5+}$: an electron paramagnetic resonance study. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 075904.	1.8	8
14	The influence of domains on tetrahedrally coordinated Cr^{5+} in ferroelectric BaTiO_3 : an electron paramagnetic resonance study. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 435901.	1.8	8
15	$3\text{C}6\text{H}$ phase transition in BaTiO_3 induced by Fe ions: an electron paramagnetic resonance study. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 505209.	1.8	32
16	Structural and optical properties of chromium-doped hexagonal barium titanate ceramics. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 085206.	1.8	37
17	Incorporation of chromium into hexagonal barium titanate: an electron paramagnetic resonance study. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 2763-2774.	1.8	19
18	Evaluation of lattice site and valence of manganese in hexagonal BaTiO_3 by electron paramagnetic resonance. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 4925-4934.	1.8	20

#	ARTICLE	IF	CITATIONS
19	Crystal structure and related properties of copper-doped barium titanate ceramics. Solid State Sciences, 2003, 5, 965-971.	3.2	69
20	Crystal Structure and Related Properties of Manganese-Doped Barium Titanate Ceramics. Journal of the American Ceramic Society, 2000, 83, 605-611.	3.8	107