

# Hans T Langhammer

## List of Publications by Year in descending order

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20  
papers

434  
citations

759233

12  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Structure and Related Properties of Manganese-Doped Barium Titanate Ceramics. Journal of the American Ceramic Society, 2000, 83, 605-611.	3.8	107
2	Crystal structure and related properties of copper-doped barium titanate ceramics. Solid State Sciences, 2003, 5, 965-971.	3.2	69
3	Structural and optical properties of chromium-doped hexagonal barium titanate ceramics. Journal of Physics Condensed Matter, 2008, 20, 085206.	1.8	37
4	3Ca <sup>6</sup> H phase transition in BaTiO <sub>3</sub> induced by Fe ions: an electron paramagnetic resonance study. Journal of Physics Condensed Matter, 2008, 20, 505209.	1.8	32
5	Probing ferroelectricity in highly conducting materials through their elastic response: Persistence of ferroelectricity in metallic $\text{BaTiO}_3$ . Physical Review B, 2019, 99, .	3.2	22
6	Evaluation of lattice site and valence of manganese in hexagonal BaTiO <sub>3</sub> by electron paramagnetic resonance. Journal of Physics Condensed Matter, 2005, 17, 4925-4934.	1.8	20
7	Incorporation of chromium into hexagonal barium titanate: an electron paramagnetic resonance study. Journal of Physics Condensed Matter, 2005, 17, 2763-2774.	1.8	19
8	Paramagnetic resonance study of nickel ions in hexagonal barium titanate. Journal of Physics Condensed Matter, 2011, 23, 115903.	1.8	17
9	Chromium point defects in hexagonal $\text{BaTiO}_3$ : A comparative study of first-principles calculations and experiments. Physical Review B, 2015, 91, .	1.8	17
10	Defect properties of cobalt-doped hexagonal barium titanate ceramics. Journal of Physics Condensed Matter, 2015, 27, 295901.	1.8	17
11	Ferromagnetic properties of barium titanate ceramics doped with cobalt, iron, and nickel. Journal of Materials Science, 2016, 51, 10429-10441.	3.7	17
12	Study of charged defects for substitutionally doped chromium in hexagonal barium titanate from first-principles theory. Physica Status Solidi - Rapid Research Letters, 2014, 8, 527-531.	2.4	15
13	Rotational instability of the electric polarization and divergence of the shear elastic compliance. Physical Review B, 2016, 93, .	3.2	11
14	Jahn-Teller effect in BaTiO <sub>3</sub> :Cr <sup>5+</sup> : an electron paramagnetic resonance study. Journal of Physics Condensed Matter, 2009, 21, 075904.	1.8	8
15	The influence of domains on tetrahedrally coordinated Cr <sup>5+</sup> in ferroelectric BaTiO <sub>3</sub> : an electron paramagnetic resonance study. Journal of Physics Condensed Matter, 2009, 21, 435901.	1.8	8
16	Theoretical investigation of iron incorporation in hexagonal barium titanate. Physical Review B, 2019, 100, .	3.2	6
17	On the incorporation of iron into hexagonal barium titanate: I. electron paramagnetic resonance (EPR) study. Journal of Physics Condensed Matter, 2018, 30, 425701.	1.8	5
18	Defect properties of vanadium doped barium titanate ceramics. Materials Research Express, 2019, 6, 115210.	1.6	4

#	ARTICLE	IF	CITATIONS
19	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
20	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