

Rakesh K Behera

List of Publications by Year in descending order

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806
citing authors

#	ARTICLE	IF	CITATIONS
1	Reply to Comment on Polymorphism in the 1:1 Charge-Transfer Complex DBTTF-CNQ and Its Effects on Optical and Electronic Properties. <i>Advanced Electronic Materials</i> , 2017, 3, 1600521.	5.1	2
2	Polymorphism in the 1:1 Charge-Transfer Complex DBTTF-CNQ and Its Effects on Optical and Electronic Properties. <i>Advanced Electronic Materials</i> , 2016, 2, 1600203.	5.1	83
3	Effect of the substitution of f-electron elements on the structure and elastic properties of UO ₂ . <i>Journal of Nuclear Materials</i> , 2013, 433, 504-513.	2.7	12
4	Surface diffusion on SrTiO ₃ (100): A temperature accelerated dynamics and first principles study. <i>Surface Science</i> , 2013, 617, 237-241.	1.9	10
5	New multiferroics based on EuxSr1-xTiO ₃ nanotubes and nanowires. <i>Journal of Applied Physics</i> , 2013, 113, 024107.	2.5	24
6	Defect formation by pristine indenter at the initial stage of nanoindentation. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	2
7	Effect of Ce ⁴⁺ and Th ⁴⁺ Ion Substitution in Uranium Dioxide. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1383, 3.	0.1	2
8	Atomistic models to investigate thorium dioxide (ThO ₂). <i>Journal of Physics Condensed Matter</i> , 2012, 24, 215405.	1.8	31
9	Stoichiometry of the LaFeO_{3-x} surface determined from first-principles and thermodynamic calculations. <i>Physical Review B</i> , 2011, 83, .	3.2	33
10	Stabilization Mechanisms of LaFeO ₃ (010) Surfaces Determined with First Principles Calculations. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1931-1939.	3.8	18
11	Ferroelectricity and ferromagnetism in EuTiO ₃ nanowires. <i>Physical Review B</i> , 2011, 84, .	3.2	22
12	Structure and energetics of 180° domain walls in PbTiO ₃ by density functional theory. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 175902.	1.8	48
13	A critical assessment of interatomic potentials for ceria with application to its elastic properties. <i>Solid State Ionics</i> , 2010, 181, 551-556.	2.7	42
14	Mixed Bloch-Néel-Ising character of 180° ferroelectric domain walls. <i>Physical Review B</i> , 2009, 80, .	2.2	146
15	Morphology and growth modes of metal-oxides deposited on SrTiO ₃ . <i>Surface Science</i> , 2009, 603, 873-880.	1.9	12