

Rakesh K Behera

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

487
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

806
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed Bloch-Néel-Ising character of 180° ferroelectric domain walls. Physical Review B, 2009, 80, .		146
2	Polymorphism in the 1:1 Charge-Transfer Complex DBTTF-TCNQ and Its Effects on Optical and Electronic Properties. Advanced Electronic Materials, 2016, 2, 1600203.	5.1	83
3	Structure and energetics of 180° domain walls in PbTiO_3 by density functional theory. Journal of Physics Condensed Matter, 2011, 23, 175902.	1.8	48
4	A critical assessment of interatomic potentials for ceria with application to its elastic properties. Solid State Ionics, 2010, 181, 551-556.	2.7	42
5	Stoichiometry of the 3×3 surface determined from first-principles and thermodynamic calculations. Physical Review B, 2011, 83, .	3.2	33
6	Atomistic models to investigate thorium dioxide (ThO_2). Journal of Physics Condensed Matter, 2012, 24, 215405.	1.8	31
7	New multiferroics based on $\text{EuSr}_{1-x}\text{TiO}_3$ nanotubes and nanowires. Journal of Applied Physics, 2013, 113, 024107.	2.5	24
8	Ferroelectricity and ferromagnetism in EuTiO_3 nanowires. Physical Review B, 2011, 84, .	3.2	22
9	Stabilization Mechanisms of LaFeO_3 (010) Surfaces Determined with First Principles Calculations. Journal of the American Ceramic Society, 2011, 94, 1931-1939.	3.8	18
10	Morphology and growth modes of metal-oxides deposited on SrTiO_3 . Surface Science, 2009, 603, 873-880.	1.9	12
11	Effect of the substitution of f-electron elements on the structure and elastic properties of UO_2 . Journal of Nuclear Materials, 2013, 433, 504-513.	2.7	12
12	Surface diffusion on SrTiO_3 (100): A temperature accelerated dynamics and first principles study. Surface Science, 2013, 617, 237-241.	1.9	10
13	Effect of Ce^{4+} and Th^{4+} Ion Substitution in Uranium Dioxide. Materials Research Society Symposia Proceedings, 2012, 1383, 3.	0.1	2
14	Defect formation by pristine indenter at the initial stage of nanoindentation. Journal of Applied Physics, 2013, 114, .	2.5	2
15	Reply to Comment on Polymorphism in the 1:1 Charge-Transfer Complex DBTTF-TCNQ and Its Effects on Optical and Electronic Properties. Advanced Electronic Materials, 2017, 3, 1600521.	5.1	2