

Oswaldo DiÃ©guez

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,071
citations

687363

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794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1518
citing authors

#	ARTICLE	IF	CITATIONS
1	Translational Covariance of Flexoelectricity at Ferroelectric Domain Walls. <i>Physical Review X</i> , 2022, 12, .	8.9	4
2	Measuring the Mean Inner Potential Of Bernal Graphite Using Off-axis Electron Holography. <i>Microscopy and Microanalysis</i> , 2021, 27, 694-697.	0.4	0
3	Two types of charge ordering in bismuth nickelate. <i>Physical Review B</i> , 2021, 104, .	3.2	0
4	Supertetragonal Phases of Perovskite Oxides: Insights from Electronic Structure Calculations. <i>Israel Journal of Chemistry</i> , 2020, 60, 833-841.	2.3	6
5	Interface Effects on Epilayer Surface Density of States by Scanning Tunneling Spectroscopy and Density Functional Theory. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900140.	2.8	2
6	Measuring the mean inner potential of Al ₂ O ₃ sapphire using off-axis electron holography. <i>Ultramicroscopy</i> , 2019, 198, 18-25.	1.9	9
7	Polymorphism in Bi-based perovskite oxides: A first-principles study. <i>Physical Review Materials</i> , 2018, 2, .	2.4	10
8	Giant polarization in super-tetragonal thin films through interphase strain. <i>Science</i> , 2018, 361, 494-497.	12.6	173
9	Multiferroic $\text{Bi}_2\text{NiMn}_6\text{O}_{19}$ thin films: A computational prediction. <i>Physical Review B</i> , 2017, 95, .	3.2	9
10	Multiple structural transitions driven by spin-phonon couplings in a perovskite oxide. <i>Science Advances</i> , 2017, 3, e1700288.	10.3	42
11	Complex domain walls in BiFeO_3 . <i>Physical Review B</i> , 2015, 91, .	7.8	16
12	Epitaxial phases of BiMnO_3 thin films: first principles. <i>Physical Review B</i> , 2015, 91, .	3.2	27
13	Ferroelectric Domains in Multiferroic BiFeO_3 Films under Epitaxial Strains. <i>Physical Review Letters</i> , 2013, 110, 187601.	7.8	54
14	Domain walls in a perovskite oxide with two primary structural order parameters: First-principles study of BiFeO_3 . <i>Physical Review B</i> , 2013, 87, .	3.2	69
15	Strain Engineering Magnetic Frustration in Perovskite Oxide Thin Films. <i>Physical Review Letters</i> , 2012, 109, 247202.	7.8	36
16	First-Principles Investigation of Morphotropic Transitions and Phase-Change Functional Responses in BiFeO_3 . <i>Physical Review Letters</i> , 2011, 107, 057601.	7.8	85
17	First-principles predictions of low-energy phases of multiferroic BiFeO_3 Solid Solutions. <i>Physical Review Letters</i> , 2011, 107, 057601.	3.2	216
18	First-principles modeling of strain in perovskite ferroelectric thin films. <i>Phase Transitions</i> , 2008, 81, 607-622.	1.3	14

#	ARTICLE	IF	CITATIONS
19	First-Principles Calculations for Insulators at Constant Polarization. Physical Review Letters, 2006, 96, 056401.	7.8	36
20	Wannier-Based Definition of Layer Polarizations in Perovskite Superlattices. Physical Review Letters, 2006, 97, 107602.	7.8	46
21	Ab initio study of the phase diagram of epitaxial BaTiO ₃ . Physical Review B, 2004, 69, .	3.2	217