

Eduardo Mendive-Tapia

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

249
citations

933447

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1058476

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times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Ab initio</i> calculation of the magnetic Gibbs free energy of materials using magnetically constrained supercells. <i>Physical Review B</i> , 2022, 105, .	3.2	2
2	<i>Ab initio</i> investigations of point and complex defect structures in B2-FeAl. <i>Physical Review Materials</i> , 2022, 6, .	2.4	3
3	Fermi-Surface Origin of Skyrmion Lattices in Centrosymmetric Rare-Earth Intermetallics. <i>Physical Review Letters</i> , 2022, 128, 157206.	7.8	15
4	Short period magnetization texture of B20-MnGe explained by thermally fluctuating local moments. <i>Physical Review B</i> , 2021, 103, .	3.2	18
5	Barocaloric properties of quaternary Mn_3N for room-temperature refrigeration applications. <i>Physical Review B</i> , 2021, 104, .	3.2	7
6	<i>Ab initio</i> Theory of Magnetic Ordering. Springer Theses, 2020, , .	0.1	3
7	First-order ferromagnetic transitions of lanthanide local moments in divalent compounds: An itinerant electron positive feedback mechanism and Fermi surface topological change. <i>Physical Review B</i> , 2020, 101, .	3.2	15
8	Caloric effects around phase transitions in magnetic materials described by <i>ab initio</i> theory: The electronic glue and fluctuating local moments. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	12
9	Minimisation of the Gibbs Free Energy: Magnetic Phase Diagrams and Caloric Effects. Springer Theses, 2020, , 55-68.	0.1	0
10	<i>Ab initio</i> theory of the Gibbs free energy and a hierarchy of local moment correlation functions in itinerant electron systems: The magnetism of the Mn_3 class. <i>Physical Review B</i> , 2019, 99, .	3.3	20
11	Multisite Exchange-Enhanced Barocaloric Response in Mn_3 . <i>Physical Review X</i> , 2018, 8, .	8.9	24
12	Theory of Magnetic Ordering in the Heavy Rare Earths: <i>Ab Initio</i> Electronic Origin of Pair- and Four-Spin Interactions. <i>Physical Review Letters</i> , 2017, 118, 197202.	7.8	44
13	Frustrated magnetism and caloric effects in Mn-based antiperovskite nitrides: <i>Ab initio</i> theory. <i>Physical Review B</i> , 2017, 95, .	3.2	43
14	Magnetic properties of doped rare-earth/transition metal permanent magnets at finite temperature. , 2017, , .		1
15	Rare-earth/transition-metal magnetic interactions in pristine and (Ni,Fe)-doped YCo_5 and GdCo_5 . <i>Physical Review Materials</i> , 2017, 1, .	2.4	31
16	Magnetocaloric and barocaloric responses in magnetovolumic systems. <i>Physical Review B</i> , 2015, 91, .	3.2	11