

Amlan Biswas

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,103
citations

840776

11
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

1049
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetism dynamics driven by phase separation in Pr-doped manganite thin films: A ferromagnetic resonance study. <i>Physical Review Materials</i> , 2021, 5, .	2.4	1
2	Dynamic percolation of ferromagnetic regions in phase separated manganites using non-uniform electric fields. <i>Journal of Applied Physics</i> , 2020, 127, 213902.	2.5	2
3	Near-field infrared nanospectroscopy of surface phonon-polariton resonances. <i>Physical Review Research</i> , 2020, 2, .	3.6	24
4	Correlation of cation deficiency and nanostructure to decreased magnetism in a ferroelectric BiMnO3 film. <i>Journal of Applied Physics</i> , 2019, 126, 085303.	2.5	1
5	Coercive field enhancement in microstructured (La0.4Pr0.6)0.67Ca0.33MnO3 thin films. <i>European Physical Journal B</i> , 2018, 91, 1.	1.5	3
6	Optimization of atomically smooth and metallic surface of SrTiO3. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	4
7	Growth of atomically flat thin films of the electronically phase-separated manganite (La0.5Pr0.5)0.67Ca0.33MnO3. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1. Electric field driven dynamic percolation in electronically phase separated (La$_{1-x}$Tl$_x$)Tl$_{1-x}$O$_{7-x}$BT / Overlock 10 Tf 50 487 Td (2.3	6
8		3.2	30
9	Measurement of the polarization vector in BiMnO3 multiferroic thin films using surface and embedded microelectrodes. <i>Journal of Applied Physics</i> , 2013, 114, 094104.	2.5	2
10	Competing soft dielectric phases and detailed balance in thin film manganites. <i>Physical Review B</i> , 2012, 86, .	3.2	3
11	LPCMO nano-templates grown using substrate induced strain. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 1326-1328.	3.5	0
12	Large photoinduced conductivity reduction in thin films of metallic ferromagnetic manganites. <i>Applied Physics Letters</i> , 2011, 99, . Single domain to multidomain transition due to in-plane magnetic anisotropy in phase-separated	3.3	8
13			

#	ARTICLE	IF	CITATIONS
19	Colossal magnetocapacitance and scale-invariant dielectric response in phase-separated manganites. Nature Physics, 2007, 3, 551-555.	16.7	56
20	Effect of strain and growth morphology on the evolution of the domain structure of ferromagnetic manganites. Materials Research Society Symposia Proceedings, 2004, 819, N5.7.1.	0.1	0
21	Direct Observation of Percolation in a Manganite Thin Film. Science, 2002, 298, 805-807.	12.6	345
22	Strain-driven charge-ordered state in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$. Physical Review B, 2001, 63, .	3.2	185
23	Two-phase behavior in strained thin films of hole-doped manganites. Physical Review B, 2000, 61, 9665-9668.	3.2	171
24	Effect of substrate-induced strain on the charge-ordering transition in $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ thin films. Applied Physics Letters, 1999, 75, 397-399.	3.3	94