Dipanjan Mazumdar

List of Publications by Year
in descending order

37 papers	1,049 citations	471061 17 h-index	414034 32 g-index
40 all docs	40 docs citations	40 times ranked	1925 citing authors

#	Article	IF	Citations
1	Influence of post-deposition annealing on the transport properties of sputtered Bi2Se3 thin films. Thin Solid Films, 2021, 727, 138676.	0.8	3
2	Topological properties of multilayer magnon insulators. Physical Review B, 2021, 104, .	1.1	0
3	Synthesis, structural, and magnetic properties of Heusler-type Mn2-Fe1+Ge (0.0Ââ‰ÂxÂâ‰Â1.0) alloys. Journal of Magnetism and Magnetic Materials, 2021, 538, 168307.	1.0	4
4	Mn2FeSi: An antiferromagnetic inverse-Heusler alloy. Journal of Alloys and Compounds, 2020, 823, 153770.	2.8	22
5	Magnetostructural phase transitions and large magnetic entropy changes in Ag-doped Mn1â^'xAgxCoGe intermetallic compounds. MRS Communications, 2019, 9, 315-320.	0.8	4
6	A simple approach to analyze layer-dependent optical properties of few-layer transition metal dichalcogenide thin films. Nanotechnology, 2019, 30, 03LT02.	1.3	5
7	Effects of Rare-Earth (R = Pr, Gd, Ho, Er) Doping on Magnetostructural Phase Transitions and Magnetocaloric Properties in Ni_{43â€“<italic>x</italic>}R_{<italic>x</italic>}Mn₄₆Sn₁₁ Shape Memory Alloys. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	2
8	Effects of annealing on the magnetic properties and magnetocaloric effects of B doped Ni-Mn-In melt-spun ribbons. Journal of Alloys and Compounds, 2018, 731, 678-684.	2.8	17
9	Giant resistive switching in mixed phase BiFeO₃via phase population control. Nanoscale, 2018, 10, 17629-17637.	2.8	18
10	Bulk transport properties of bismuth selenide thin films grown by magnetron sputtering approaching the two-dimensional limit. Journal of Applied Physics, 2018, 124, .	1.1	17
11	Computational investigation of inverse Heusler compounds for spintronics applications. Physical Review B, 2018, 98, .	1.1	69
12	Magnetic field control of charge excitations in CoFe2O4. APL Materials, 2018, 6, 066110.	2.2	3
13	Atomic-level insights through spectroscopic and transport measurements into the large-area synthesis of MoS2 thin films. MRS Communications, 2018, 8, 1328-1334.	0.8	5
14	Viable route towards large-area 2D MoS₂using magnetron sputtering. 2D Materials, 2017, 4, 021002.	2.0	40
15	Effects of the partial substitution of Ni by Cr on the transport, magnetic, and magnetocaloric properties of Ni50Mn37In13. AIP Advances, 2017, 7, .	0.6	6
16	Optical evidence for blue shift in topological insulator bismuth selenide in the few-layer limit. Applied Physics Letters, 2017, 110, .	1.5	27
17	Giant field-induced adiabatic temperature changes in In-based off-stoichiometric Heusler alloys. Journal of Applied Physics, 2017, 121, .	1.1	20
18	Magnetic, structural and magnetocaloric properties of Ni-Si and Ni-Al thermoseeds for self-controlled hyperthermia. International Journal of Hyperthermia, 2017, 33, 1-6.	1.1	3

#	Article	IF	Citations
19	Magnetostructural phase transitions and magnetocaloric effects in as-cast Mn1-xAlxCoGe compounds. Journal of Alloys and Compounds, 2017, 709, 142-146.	2.8	43
20	Thermosensitive Ni-based magnetic particles for self-controlled hyperthermia applications. Journal of Magnetism and Magnetic Materials, 2017, 427, 200-205.	1.0	13
21	Recent advances in investigations of the electronic and optoelectronic properties of group III, IV, and V selenide based binary layered compounds. Journal of Materials Chemistry C, 2017, 5, 11214-11225.	2.7	34
22	Magnetocaloric, thermal, and magnetotransport properties of Ni50Mn35In13.9B1.1 Heusler alloy. Journal of Magnetism and Magnetic Materials, 2017, 444, 98-101.	1.0	14
23	Large Inverse Magnetocaloric Effects and Giant Magnetoresistance in Ni-Mn-Cr-Sn Heusler Alloys. Magnetochemistry, 2017, 3, 3.	1.0	25
24	Magnetic, Thermal And Magnetocaloric Properties Of Ni50Mn35In14.5B0.5 Ribbons. Advanced Materials Letters, 2017, 8, 768-772.	0.3	2
25	The effects of substituting Ag for In on the magnetoresistance and magnetocaloric properties of Ni-Mn-In Heusler alloys. AIP Advances, 2016, 6, .	0.6	17
26	Atomic and electronic structure of Ti substitution in Ca3Co4O9. Journal of Applied Physics, 2016, 120, 205105.	1.1	2
27	Effect of underlying boron nitride thickness on photocurrent response in molybdenum disulfide - boron nitride heterostructures. Journal of Materials Research, 2016, 31, 893-899.	1.2	11
28	Comparing magnetostructural transitions in Ni50Mn18.75Cu6.25Ga25 and Ni49.80Mn34.66In15.54 Heusler alloys. Journal of Magnetism and Magnetic Materials, 2016, 401, 1145-1149.	1.0	12
29	The valence band electronic structure of rhombohedral-like and tetragonal-like BiFeO 3 thin films from hard X-ray photoelectron spectroscopy and first-principles theory. Journal of Electron Spectroscopy and Related Phenomena, 2016, 208, 63-66.	0.8	14
30	Spectroscopic Determination of Phonon Lifetimes in Rhenium-Doped MoS₂ Nanoparticles. Nano Letters, 2013, 13, 2803-2808.	4.5	40
31	Colloidal Synthesis of Magnetic CuCr₂S₄ Nanocrystals and Nanoclusters. Journal of the American Chemical Society, 2011, 133, 20716-20719.	6.6	36
32	Reduced Coercive Field in BiFeO₃ Thin Films Through Domain Engineering. Advanced Materials, 2011, 23, 669-672.	11.1	82
33	Nanoscale Switching Characteristics of Nearly Tetragonal BiFeO₃ Thin Films. Nano Letters, 2010, 10, 2555-2561.	4.5	149
34	Controlled Growth of Monodisperse Self-Supported Superparamagnetic Nanostructures of Spherical and Rod-Like CoFe₂O₄ Nanocrystals. Journal of the American Chemical Society, 2009, 131, 12900-12901.	6.6	77
35	Field sensing characteristics of magnetic tunnel junctions with (001) MgO tunnel barrier. Journal of Applied Physics, 2008, 103, 113911.	1.1	34
36	Effect of film roughness in MgO-based magnetic tunnel junctions. Applied Physics Letters, 2006, 88, 182508.	1.5	68

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37	In situ detection of single micron-sized magnetic beads using magnetic tunnel junction sensors. Applied Physics Letters, 2005, 86, 253901.	1.5	109