

Soma Banik

List of Publications by Year in descending order

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papers

1,127
citations

430874

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843
citing authors

#	ARTICLE	IF	CITATIONS
1	Competition between axial anomaly and ferromagnetic ordering in $\text{Bi}_{2-x}\text{FexSe}_3$ topological insulator: A study of magnetic and magnetotransport properties. Journal of Materiomics, 2022, 8, 669-677.	5.7	1
2	Temperature-induced first-order electronic topological transition in $\hat{1}^2\text{-Ag}_2\text{Se}$. Applied Physics Letters, 2021, 118, 143905.	3.3	3
3	Probing interband and intraband transitions in magneto-optical FeT ($\text{T}=\text{Cr, Co, Ni}$) alloys from electronic structure studies. Applied Surface Science, 2021, 546, 148896.	6.1	5
4	Nitrogen-Ion Implantation Induced Bandgap Tailoring in Multifunctional Brownmillerite KBiFe_2O_5 . ECS Journal of Solid State Science and Technology, 2021, 10, 061010.	1.8	2
5	Direct hybridization gap from intersite and onsite electronic interactions in CeAg_2Ge_2 . RSC Advances, 2020, 10, 24343-24351.	3.6	5
6	Large positive magnetoresistance and Dzyaloshinskii-Moriya interaction in CrSi driven by Cr 3d localization. Scientific Reports, 2020, 10, 12030.	3.3	8
7	Localization of electronic states resulting from electronic topological transitions in the $\text{Mo}_{1-x}\text{Re}_x$ alloys: A photoemission study. Journal of Applied Physics, 2020, 127, .	2.5	6
8	Giant Rashba effect at the topological surface of PrGe revealing antiferromagnetic spintronics. Scientific Reports, 2017, 7, 4120.	3.3	11
9	Electronic structure of FeAl alloy studied by resonant photoemission spectroscopy and Ab initio calculations. Journal of Alloys and Compounds, 2016, 688, 187-194.	5.5	18
10	Study of electronic structure of Co_2MnSn Heusler alloy by resonant photoemission spectroscopy and ab initio calculations. Journal of Alloys and Compounds, 2015, 645, 112-117.	5.5	18
11	Electronic structure of Co-Ni-Ga Heusler alloys studied by resonant photoemission. , 2014, , .		0
12	Estimate of the Coulomb correlation energy in CeAg_2Ge_2 from inverse photoemission and high resolution photoemission spectroscopy. Journal of Physics Condensed Matter, 2014, 26, 335502.	1.8	8
13	An x-ray absorption spectroscopy study of Ni-Mn-Ga shape memory alloys. Journal of Physics Condensed Matter, 2013, 25, 046001.	1.8	8
14	Electronic structure of Co_2MnSn Heusler alloy. , 2013, , .		0
15	Electronic structure of buried Co-Cu interface studied with photoemission spectroscopy. Journal of Applied Physics, 2012, 112, 103702.	2.5	2
16	Electronic structure of EuCu_2Ge_2 studied by resonant photoemission and x-ray absorption spectroscopy. Physical Review B, 2012, 86, .	3.2	18
17	Pressure and Temperature Dependent Structure Of Zircon Type ThGeO_4 . Journal of Physics: Conference Series, 2012, 377, 012031.	0.4	1
18	Spin-Valve-Like Magnetoresistance in Mn_2NiGa at Room Temperature. Physical Review Letters, 2012, 109, 246601.	1.8	8

#	ARTICLE	IF	CITATIONS
19	Studies of Valence Band Alignment Between Nitrided GaPN/GaP (111) Interface Using X-ray Photoelectron Spectroscopy. AIP Conference Proceedings, 2011, , .	0.4	2
20	Electronic Band Dispersion Of CeAg ₂ Ge ₂ Studied Using Angle Resolved Photoemission Spectroscopy. , 2011, , .		0
21	Electronic Structure Of EuCu ₂ Ge ₂ Studied By Resonant Photoemission Spectroscopy. , 2011, , .		1
22	Electronic structure of from photoemission and inverse photoemission spectroscopies. Physica B: Condensed Matter, 2010, 405, 186-191.	2.7	8
23	Band mapping of CeAg ₂ Ge ₂ using angle-resolved photoemission spectroscopy. Solid State Communications, 2010, 150, 1936-1939.	1.9	6
24	Electronic structure of CeAg_2Ge_2 by resonant photoemission spectroscopy. Physical Review B, 2010, 82, .	3.2	15
25	Compton scattering studies of Mn-rich Ni-Mn-Ga ferromagnetic shape memory alloys. Physical Review B, 2009, 79, .	3.2	25
26	Variation of magnetoresistance in Ni _{2+x} Mn _{1-x} Ga with composition. Journal of Applied Physics, 2009, 106, .	2.5	32
27	Competing tetragonal and monoclinic phases in Ni _{2.2} Mn _{0.80} Ga. Journal of Applied Physics, 2009, 106, 033510.	2.5	14
28	Theoretical prediction and experimental study of a ferromagnetic shape memory alloy: $\text{Ga}_2\text{Mn}_2\text{Si}$ Physical Review B, 2008, 78, .	3.2	105
29	Magnetoresistance behavior of ferromagnetic shape memory alloy $\text{Ni}_2\text{Mn}_2\text{Si}$ Physical Review B, 2008, 77, .	3.2	49
30	Electronic structure of $\text{La}_2\text{Co}_2\text{Si}$ and $\text{La}_2\text{Co}_2\text{Si}$ -brass. Physical Review B, 2008, 78, .	3.2	16
31	LaCo_3O Physical Review B, 2008, 78, .	3.2	16
32	Martensitic transition, ferrimagnetism and Fermi surface nesting in Mn ₂ NiGa. Europhysics Letters, 2007, 80, 57002.	2.0	89
33	Magnetic Compton scattering study of Ni _{2+x} Mn _{1-x} Ga ferromagnetic shape-memory alloys. Physical Review B, 2007, 75, .	3.2	45
34	Structural studies of Ni _{2+x} Mn _{1-x} Ga by powder x-ray diffraction and total energy calculations. Physical Review B, 2007, 75, .	3.2	90
35	Powder x-ray diffraction study of the thermoelastic martensitic transition in Ni ₂ Mn _{1.05} Ga _{0.95} . Physical Review B, 2006, 74, .	3.2	74
36	Phase diagram and electronic structure of Ni _{2+x} Mn _{1-x} Ga. Physical Review B, 2006, 74, .	3.2	50

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37	Surface composition and electronic structure of $Ni_{2+x}Mn_{1-x}Ga$ studied by X-ray photoelectron spectroscopy. <i>Surface Science</i> , 2006, 600, 3749-3752.	1.9	4
38	Growth and electronic structure of alkali-metal adlayers on icosahedral $Al_{70.5}Pd_{21}Mn_{8.5}$. <i>Physical Review B</i> , 2006, 73, .	3.2	21
39	Optimal operating conditions and characteristics of acetone- CaF_2 detector for inverse photoemission spectroscopy. <i>Review of Scientific Instruments</i> , 2005, 76, 066102.	1.3	19
40	Structural and electronic properties of Ni_2MnGa . <i>Physical Review B</i> , 2005, 72, .	3.2	108
41	Influence of Ni doping on the electronic structure of Ni_2MnGa . <i>Physical Review B</i> , 2005, 72, .	3.2	67
42	Argon Nanobubbles in $Al(111)$: A Photoemission Study. <i>Physical Review Letters</i> , 2004, 92, 115506.	7.8	32
43	Versatile UHV compatible Knudsen type effusion cell. <i>Review of Scientific Instruments</i> , 2004, 75, 4467-4470.	1.3	32
44	XPS and LEED study of Argon bombarded $Al(111)$ surface. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 212, 297-302.	1.4	9