

Sanjoy K Mahatha

List of Publications by Year in descending order

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54
papers

1,227
citations

361413

20
h-index

377865

34
g-index

54
all docs

54
docs citations

54
times ranked

2307
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental realization of two-dimensional Dirac nodal line fermions in monolayer Cu ₂ Si. Nature Communications, 2017, 8, 1007.	12.8	219
2	Silicene on Ag(111): A honeycomb lattice without Dirac bands. Physical Review B, 2014, 89, .	3.2	102
3	Electronic structure investigation of MoS ₂ and MoSe ₂ using angle-resolved photoemission spectroscopy and <i>ab initio</i> band structure studies. Journal of Physics Condensed Matter, 2012, 24, 475504.	1.8	75
4	Novel single-layer vanadium sulphide phases. 2D Materials, 2018, 5, 045009.	4.4	48
5	Electronic States of Silicene Allotropes on Ag(111). ACS Nano, 2017, 11, 975-982.	14.6	45
6	Quasi-one-dimensional metallic band dispersion in the commensurate charge density wave of TaAs . Physical Review B, 2017, 96, .	3.2	45
7	Temperature Driven Phase Transition at the Antimonene/Bi ₂ Se ₃ van der Waals Heterostructure. ACS Nano, 2019, 13, 10481-10489.	14.6	45
8	Systematics of electronic and magnetic properties in the transition metal doped Sb_2Te_3 quantum anomalous Hall platform. Physical Review B, 2018, 97, .	3.2	42
9	Electronic structure of graphene/Co interfaces. Physical Review B, 2014, 90, .	3.2	41
10	Finite size versus surface effects on magnetic properties of antiferromagnetic particles. Applied Physics Letters, 2011, 99, .	3.3	37
11	Multiple Coexisting Dirac Surface States in Three-Dimensional Topological Insulator PbBi ₆ Te ₁₀ . ACS Nano, 2016, 10, 3518-3524.	14.6	29
12	van der Waals driven anharmonic melting of the 3D charge density wave in VSe ₂ . Nature Communications, 2021, 12, 598.	12.8	28
13	Evidence for a diamondlike electronic band structure of Si multilayers on Ag(111). Physical Review B, 2015, 92, .	3.2	27
14	Complex Magnetic Exchange Coupling between Co Nanostructures and Ni(111) across Epitaxial Graphene. ACS Nano, 2016, 10, 1101-1107.	14.6	27
15	Evidence of \hat{I}^2 -antimonene at the Sb/Bi ₂ Se ₃ interface. Nanotechnology, 2018, 29, 065704.	2.6	26
16	Inhomogeneous band bending on MoS ₂ (0001) arising from surface steps and dislocations. Journal of Physics Condensed Matter, 2012, 24, 305502.	1.8	23
17	Magnetization-dependent Rashba splitting of quantum well states at the Co/W interface. Physical Review B, 2015, 91, .	3.2	23
18	Spin-orbit interaction and Dirac cones in orbital noble metal surface states. Physical Review B, 2015, 91, .	3.2	22

#	ARTICLE	IF	CITATIONS
19	Spin-dependent electron-phonon coupling in the valence band of single-layer WS ₂ . Physical Review B, 2017, 96, .	3.2	12
20	Epitaxial single-layer NbS ₂ on Au(111): Synthesis, structure, and electronic properties. Physical Review Materials, 2019, 3, .	2.4	9
21	Absence of Dirac cones in monolayer silicene and multilayer Si films on Ag(111). Journal of Electron Spectroscopy and Related Phenomena, 2017, 219, 2-8.	1.7	18
22	Towards microscopic control of the magnetic exchange coupling at the surface of a topological insulator. JPhys Materials, 2018, 1, 015002.	4.2	18
23	Sputtering an exterior metal coating on copper enclosure for large-scale growth of single-crystalline graphene. 2D Materials, 2017, 4, 045017.	4.4	17
24	Topologization of I ² -antimonene on Bi ₂ Se ₃ via proximity effects. Scientific Reports, 2020, 10, 14619.	3.3	17
25	Suppression of the vacuum space-charge effect in fs-photoemission by a retarding electrostatic front lens. Review of Scientific Instruments, 2021, 92, 053703.	1.3	17
26	Quantum well states in Ag thin films on MoS ₂ (0001) surfaces. Journal of Physics Condensed Matter, 2013, 25, 115501.	1.8	13
27	Observation and origin of the I ² manifold in Si:P layers. Physical Review B, 2020, 101, .	3.2	13
28	Superparamagnetism-induced mesoscopic electron focusing in topological insulators. Physical Review B, 2016, 94, .	3.2	12
29	Momentum-resolved linear dichroism in bilayer MoS ₂ . Physical Review B, 2019, 100, .	3.2	11
30	Nearly-free electronlike surface resonance of a Si ₃ N ₄ derived Au(111) surface. Physical Review B, 2015, 91, .	3.2	11
31	Energy-momentum mapping of d-derived Au(111) states in a thin film. Physical Review B, 2016, 93, .	3.2	11
32	Hidden phase in parent Fe-pnictide superconductors. Physical Review B, 2018, 97, .	3.2	11
33	Layer and orbital interference effects in photoemission from transition metal dichalcogenides. Physical Review B, 2019, 100, .	3.2	11
34	Unoccupied electronic structure of graphite probed by angle-resolved photoemission spectroscopy. Physical Review B, 2011, 84, .	3.2	10
35	Spectroscopic view of ultrafast charge carrier dynamics in single- and bilayer transition metal dichalcogenide semiconductors. Journal of Electron Spectroscopy and Related Phenomena, 2021, 250, 147093.	1.7	9
36	Slow Magnetic Relaxation of Dy Adatoms with In-Plane Magnetic Anisotropy on a Two-Dimensional Electron Gas. ACS Nano, 2022, 16, 11182-11193.	14.6	9

#	ARTICLE	IF	CITATIONS
37	Interface electronic structure at the topological insulator–ferrimagnetic insulator junction. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 055002.	1.8	7
38	Electron–phonon coupling in single-layer MoS ₂ . <i>Surface Science</i> , 2019, 681, 64-69.	1.9	7
39	Magnetic order and surface state gap in (Sb _{0.95} Cr _{0.05}) ₂ Te ₃ . <i>Physical Review B</i> , 2021, 103, .	3.2	7
40	Signature of surface periodicity in the electronic structure of Si(111)-(7 \times 7). <i>Journal of Physics Condensed Matter</i> , 2017, 29, 215001.	1.8	6
41	Soft x-ray imaging spectroscopy with micrometer resolution. <i>Optica</i> , 2021, 8, 156.	9.3	6
42	Quasi-free-standing single-layer WS ₂ achieved by intercalation. <i>Physical Review Materials</i> , 2018, 2, .	2.4	6
43	Polarization dependence of angle-resolved photoemission spectroscopy of graphite. <i>Surface Science</i> , 2012, 606, 1705-1708.	1.9	5
44	The occupied electronic structure of ultrathin boron doped diamond. <i>Nanoscale Advances</i> , 2020, 2, 1358-1364.	4.6	5
45	Anisotropic strain in epitaxial single-layer molybdenum disulfide on Ag(110). <i>Nanoscale</i> , 2021, 13, 18789-18798.	5.6	5
46	Surface, final state, and spin effects in the valence-band photoemission spectra of LaCoO ₃ (001). <i>Physical Review B</i> , 2017, 96, .	3.2	4
47	Near-freely standing Au quantum well states on MoS ₂ (0001) surface. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 193, 43-47.	1.7	3
48	Magnetic decoupling of ferromagnetic metals through a graphene spacer. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 426, 440-443.	2.3	3
49	Identification of C_{2v} electronic states in graphene-Ni(111) growth through resonant and dichroic angle-resolved photoemission at the C K -edge. <i>Physical Review B</i> , 2017, 96, .	3.2	3
50	Oxide Fermi liquid universality revealed by electron spectroscopy. <i>Physical Review B</i> , 2020, 102, .	3.2	3
51	Unoccupied electronic structure of graphite probed by ARPES. , 2012, , .		0
52	Growth and photoemission spectroscopic studies of ultrathin noble metal films on graphite. <i>Pramana - Journal of Physics</i> , 2015, 84, 1011-1022.	1.8	0
53	Ag growth on the Ag ₂ Bi Rashba alloy. <i>Surface Science</i> , 2022, , 122125.	1.9	0
54	Microstructure effects on the phase transition behavior of a prototypical quantum material. <i>Scientific Reports</i> , 2022, 12, .	3.3	0