Sanjoy K Mahatha

List of Publications by Year
in descending order

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	Ag growth on the Ag2Bi Rashba alloy. Surface Science, 2022, , 122125.	1.9	0
2	Microstructure effects on the phase transition behavior of a prototypical quantum material. Scientific Reports, 2022, 12, .	3.3	0
3	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
4	Soft x-ray imaging spectroscopy with micrometer resolution. Optica, 2021, 8, 156.	9.3	6
5	Magnetic order and surface state gap in (Sb0.95Cr0.05)2ÂTe3. Physical Review B, 2021, 103, .	3.2	7
6	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
7	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
8	van der Waals driven anharmonic melting of the 3D charge density wave in VSe2. Nature Communications, 2021, 12, 598.	12.8	28
9	Anisotropic strain in epitaxial single-layer molybdenum disulfide on Ag(110). Nanoscale, 2021, 13, 18789-18798.	5.6	5
10	Topologization of Î²-antimonene on Bi2Se3 via proximity effects. Scientific Reports, 2020, 10, 14619.	3.3	17
11	Observation and origin of the Î” manifold in Si:P Î´ layers. Physical Review B, 2020, 101, .	3.2	13
12	The occupied electronic structure of ultrathin boron doped diamond. Nanoscale Advances, 2020, 2, 1358-1364.	4.6	5
13	Oxide Fermi liquid universality revealed by electron spectroscopy. Physical Review B, 2020, 102, .	3.2	3
14	Temperature Driven Phase Transition at the Antimonene/Bi₂Se₃ van der Waals Heterostructure. ACS Nano, 2019, 13, 10481-10489.	14.6	45
15	Momentum-resolved linear dichroism in bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mm Physical Review B, 2019, 100, .	3.2	13
16	Layer and orbital interference effects in photoemission from transition metal dichalcogenides. Physical Review B, 2019, 100, .	3.2	11
17	Electronâ€“phonon coupling in single-layer MoS2. Surface Science, 2019, 681, 64-69.	1.9	7
18	Epitaxial single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NbS</mml:mi><mml:mn>2</mml:mn></mml:msub></mm on Au(111): Synthesis, structure, and electronic properties. Physical Review Materials, 2019, 3, .	2.4	29

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19	Systematics of electronic and magnetic properties in the transition metal doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sb</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> quantum anomalous Hall platform. Physical Review B, 2018, 97, .	3.2	42
20	Hidden phase in parent Fe-pnictide superconductors. Physical Review B, 2018, 97, .	3.2	11
21	Evidence ofÎ²-antimonene at the Sb/Bi₂Se₃interface. Nanotechnology, 2018, 29, 065704.	2.6	26
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	Novel single-layer vanadium sulphide phases. 2D Materials, 2018, 5, 045009.	4.4	48
24	Quasi-free-standing single-layer WS2 achieved by intercalation. Physical Review Materials, 2018, 2, .	2.4	6
25	Interface electronic structure at the topological insulatorâ€“ferrimagnetic insulator junction. Journal of Physics Condensed Matter, 2017, 29, 055002.	1.8	7
26	Signature of surface periodicity in the electronic structure of Si(1â€‰1â€‰1)-(7â€‰Ã—â€‰7). Journal of Physics Condensed Matter, 2017, 29, 215001.	1.8	6
27	Electronic States of Silicene Allotropes on Ag(111). ACS Nano, 2017, 11, 975-982.	14.6	45
28	Magnetic decoupling of ferromagnetic metals through a graphene spacer. Journal of Magnetism and Magnetic Materials, 2017, 426, 440-443.	2.3	3
29	Experimental realization of two-dimensional Dirac nodal line fermions in monolayer Cu2Si. Nature Communications, 2017, 8, 1007.	12.8	219
30	Sputtering an exterior metal coating on copper enclosure for large-scale growth of single-crystalline graphene. 2D Materials, 2017, 4, 045017.	4.4	17
31	Spin-dependent electron-phonon coupling in the valence band of single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2017, 96, .	3.2	22
32	Quasi-one-dimensional metallic band dispersion in the commensurate charge density wave of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mo>â€²</mml:mo></mml:mrow></mml:math> Physical Review B, 2017, 96, .	3.2	45
33	Surface, final state, and spin effects in the valence-band photoemission spectra ofLaCoO3(001). Physical Review B, 2017, 96, .	3.2	4
34	Identification of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ni</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mathvariant="normal">C</mml:mi></mml:mrow></mml:math> electronic states in graphene-Ni(111) growth through resonant and dichroic angle-resolved photoemission at the C <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>K</mml:mi></mml:math> -edge. Physical Review B, 2017, 96, .	3.2	3
35	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
36	Superparamagnetism-induced mesoscopic electron focusing in topological insulators. Physical Review B, 2016, 94, .	3.2	12

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37	Energy-momentum mapping of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>d</mml:mi></mml:math>-derived Au(111) states in a thin film. Physical Review B, 2016, 93, .	3.2	11
38	Complex Magnetic Exchange Coupling between Co Nanostructures and Ni(111) across Epitaxial Graphene. ACS Nano, 2016, 10, 1101-1107.	14.6	27
39	Multiple Coexisting Dirac Surface States in Three-Dimensional Topological Insulator PbBi₆Te₁₀. ACS Nano, 2016, 10, 3518-3524.	14.6	29
40	Evidence for a diamondlike electronic band structure of Si multilayers on Ag(111). Physical Review B, 2015, 92, .	3.2	27
41	Magnetization-dependent Rashba splitting of quantum well states at the Co/W interface. Physical Review B, 2015, 91, .	3.2	23
42	Growth and photoemission spectroscopic studies of ultrathin noble metal films on graphite. Pramana - Journal of Physics, 2015, 84, 1011-1022.	1.8	0
43	Nearly-free electronlike surface resonance of a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi><mml:mo>â^'</mml:mo><mml:msub><mml:mi mathvariant="normal">Si</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mo>(</mml:mo><mml:mn>0001</mml:mn><mml:mo> Physical Review B, 2015, 91, .	3.2	11
44	Spin-orbit interaction and Dirac cones ind-orbital noble metal surface states. Physical Review B, 2015, 91, .	3.2	22
45	Electronic structure of graphene/Co interfaces. Physical Review B, 2014, 90, .	3.2	41
46	Silicene on Ag(111): A honeycomb lattice without Dirac bands. Physical Review B, 2014, 89, .	3.2	102
47	Near-freely standing Au quantum well states on MoS2(0001) surface. Journal of Electron Spectroscopy and Related Phenomena, 2014, 193, 43-47.	1.7	3
48	Quantum well states in Ag thin films on MoS₂(0001) surfaces. Journal of Physics Condensed Matter, 2013, 25, 115501.	1.8	13
49	Inhomogeneous band bending on MoS₂(0001) arising from surface steps and dislocations. Journal of Physics Condensed Matter, 2012, 24, 305502.	1.8	23
50	Polarization dependence of angle-resolved photoemission spectroscopy of graphite. Surface Science, 2012, 606, 1705-1708.	1.9	5
51	Unoccupied electronic structure of graphite probed by ARPES. , 2012, , .		0
52	Electronic structure investigation of MoS₂and MoSe₂using angle-resolved photoemission spectroscopy andab initioband structure studies. Journal of Physics Condensed Matter, 2012, 24, 475504.	1.8	75
53	Finite size versus surface effects on magnetic properties of antiferromagnetic particles. Applied Physics Letters, 2011, 99, .	3.3	37
54	Unoccupied electronic structure of graphite probed by angle-resolved photoemission spectroscopy. Physical Review B, 2011, 84, .	3.2	10