

Anjan Soumyanarayanan

List of Publications by Year in descending order

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23
papers

2,474
citations

623188

14
h-index

642321

23
g-index

25
all docs

25
docs citations

25
times ranked

4177
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergent phenomena induced by spin-orbit coupling at surfaces and interfaces. Nature, 2016, 539, 509-517.	13.7	692
2	Tunable room-temperature magnetic skyrmions in Ir/Fe/Co/Pt multilayers. Nature Materials, 2017, 16, 898-904.	13.3	576
3	Charge Order Driven by Fermi-Arc Instability in Bi ₂ Sr ²⁺ LaCu ₆ . Science, 2014, 343, 390-392.	6.0	512
4	Quantum phase transition from triangular to stripe charge order in NbSe ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1623-1627.	3.3	145
5	Fermi Surface and Pseudogap Evolution in a Cuprate Superconductor. Science, 2014, 344, 608-611.	6.0	130
6	The evolution of skyrmions in Ir/Fe/Co/Pt multilayers and their topological Hall signature. Nature Communications, 2019, 10, 696.	5.8	98
7	Magnetization dynamics and its scattering mechanism in thin CoFeB films with interfacial anisotropy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3815-3820.	3.3	50
8	Imaging emergent heavy Dirac fermions of a topological Kondo insulator. Nature Physics, 2020, 16, 52-56.	6.5	47
9	Geometrically Tailored Skyrmions at Zero Magnetic Field in Multilayered Nanostructures. Physical Review Applied, 2019, 11, .	1.5	44
10	Stray field signatures of Néel textured skyrmions in Ir/Fe/Co/Pt multilayer films. Applied Physics Letters, 2018, 112, .	1.5	32
11	Tailoring magnetism in self-intercalated CrTe epitaxial films. Physical Review Materials, 2020, 4, .	1.5	23
12	Visualizing the strongly reshaped skyrmion Hall effect in multilayer wire devices. Nature Communications, 2021, 12, 4252.	5.8	21
13	Targeted Writing and Deleting of Magnetic Skyrmions in Two-Terminal Nanowire Devices. Nano Letters, 2021, 21, 1253-1259.	4.5	19
14	Consistency between ARPES and STM measurements on SmB ₆ . Physical Review B, 2020, 101, .	1.1	16
15	Spin-polarized quantum well states on Bi ₂ Te ₃ . Physical Review B, 2015, 91, .	1.2	12
16	Coexisting Charge-Ordered States with Distinct Driving Mechanisms in Monolayer VSe ₂ . ACS Nano, 2022, 16, 783-791.	7.3	11
17	Skyrmion generation from irreversible fission of stripes in chiral multilayer films. Physical Review Materials, 2020, 4, .	0.9	10
18	Unveiling the Emergent Traits of Chiral Spin Textures in Magnetic Multilayers. Advanced Science, 2022, 9, e2103978.	5.6	10

#	ARTICLE	IF	CITATIONS
19	Intermixing induced anisotropy variations in CoB-based chiral multilayer films. Journal Physics D: Applied Physics, 2021, 54, 354003.	1.3	8
20	Momentum-resolved STM studies of Rashba-split surface states on the topological semimetal Sb. Journal of Electron Spectroscopy and Related Phenomena, 2015, 201, 66-73.	0.8	7
21	Thermal Evolution of Skyrmion Formation Mechanism in Chiral Multilayer Films. Physical Review Applied, 2022, 17, .	1.5	6
22	Multiangle Reconstruction of Domain Morphology with All-Optical Diamond Magnetometry. Physical Review Applied, 2021, 16, .	1.5	4
23	Multiple broken symmetries in striped LaMnO_3 by the field-symmetric Nernst effect. Physical Review B, 2016, 93, .		