

Anjan Soumyanarayanan

List of Publications by Year in descending order

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23
papers

2,474
citations

623188

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25
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docs citations

25
times ranked

4177
citing authors

#	ARTICLE	IF	CITATIONS
1	Unveiling the Emergent Traits of Chiral Spin Textures in Magnetic Multilayers. <i>Advanced Science</i> , 2022, 9, e2103978.	5.6	10
2	Coexisting Charge-Ordered States with Distinct Driving Mechanisms in Monolayer VSe ₂ . <i>ACS Nano</i> , 2022, 16, 783-791.	7.3	11
3	Thermal Evolution of Skyrmion Formation Mechanism in Chiral Multilayer Films. <i>Physical Review Applied</i> , 2022, 17, .	1.5	6
4	Targeted Writing and Deleting of Magnetic Skyrmions in Two-Terminal Nanowire Devices. <i>Nano Letters</i> , 2021, 21, 1253-1259.	4.5	19
5	Intermixing induced anisotropy variations in CoB-based chiral multilayer films. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 354003.	1.3	8
6	Multiangle Reconstruction of Domain Morphology with All-Optical Diamond Magnetometry. <i>Physical Review Applied</i> , 2021, 16, .	1.5	4
7	Visualizing the strongly reshaped skyrmion Hall effect in multilayer wire devices. <i>Nature Communications</i> , 2021, 12, 4252.	5.8	21
8	Imaging emergent heavy Dirac fermions of a topological Kondo insulator. <i>Nature Physics</i> , 2020, 16, 52-56.	6.5	47
9	Consistency between ARPES and STM measurements on SmB_6 . <i>Physical Review B</i> , 2020, 101, .		
10	Tailoring magnetism in self-intercalated Cr_2Te epitaxial films. <i>Physical Review Materials</i> , 2020, 4, .		
11	Skyrmion generation from irreversible fission of stripes in chiral multilayer films. <i>Physical Review Materials</i> , 2020, 4, .	0.9	10
12	The evolution of skyrmions in Ir/Fe/Co/Pt multilayers and their topological Hall signature. <i>Nature Communications</i> , 2019, 10, 696.	5.8	98
13	Geometrically Tailored Skyrmions at Zero Magnetic Field in Multilayered Nanostructures. <i>Physical Review Applied</i> , 2019, 11, .	1.5	44
14	Stray field signatures of Néel textured skyrmions in Ir/Fe/Co/Pt multilayer films. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	32
15	Magnetization dynamics and its scattering mechanism in thin CoFeB films with interfacial anisotropy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3815-3820.	3.3	50
16	Tunable room-temperature magnetic skyrmions in Ir/Fe/Co/Pt multilayers. <i>Nature Materials</i> , 2017, 16, 898-904.	13.3	576
17	Emergent phenomena induced by spin-orbit coupling at surfaces and interfaces. <i>Nature</i> , 2016, 539, 509-517.	13.7	692
18	Multiple broken symmetries in striped La_2CuO_4 by the field-symmetric Nernst effect. <i>Physical Review B</i> , 2016, 93, .		

#	ARTICLE	IF	CITATIONS
19	Spin-polarized quantum well states on Bi_2Te_3 . Physical Review B, 2015, 91, .	1.2	12
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	Fermi Surface and Pseudogap Evolution in a Cuprate Superconductor. Science, 2014, 344, 608-611.	6.0	130
22	Charge Order Driven by Fermi-Arc Instability in $\text{Bi}_2\text{Sr}_2\text{LaCu}_6\text{O}_{10}$. Science, 2014, 343, 390-392.	6.0	512
23	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