

# Priyanka Manchanda

## List of Publications by Year in descending order

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22  
papers

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citations

933447

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h-index

794594

19  
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22  
all docs

22  
docs citations

22  
times ranked

797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Doping limitations of cubic boron nitride: Effects of unintentional defects on shallow doping. Physical Review B, 2022, 105, .	3.2	5
2	Anisotropy and Crystal Field. , 2021, , 1-83.		1
3	Magnetic and electron transport properties of $\text{Co}_{2-x}\text{Mn}_x$ nanomagnets. Physical Review Materials, 2021, 5, .		
4	Anisotropy and Crystal Field. , 2021, , 103-185.		0
5	Peripheral chiral spin textures and topological Hall effect in CoSi nanomagnets. Physical Review Materials, 2021, 5, .	2.4	2
6	Chemoenzymatic Synthesis of D-Glucitol-Based Non-Ionic Amphiphilic Architectures as Nanocarriers. Polymers, 2020, 12, 1421.	4.5	5
7	Chiral Magnetism and High-Temperature Skyrmions in B20-Ordered Co-Si. Physical Review Letters, 2020, 124, 057201.	7.8	31
8	Chemoenzymatic synthesis of dendronized polymers for cyanine dye encapsulation. Advances in Polymer Technology, 2018, 37, 1797-1805.	1.7	5
9	Design, Synthesis, and Evaluation of the Kinase Inhibition Potential of Pyridylpyrimidinylaminophenyl Derivatives. Archiv Der Pharmazie, 2017, 350, 1600390.	4.1	4
10	Design of Optimally Stable Molecular Coatings for Fe-Based Nanoparticles in Aqueous Environments. ACS Omega, 2017, 2, 4480-4487.	3.5	3
11	High-coercivity magnetism in nanostructures with strong easy-plane anisotropy. Applied Physics Letters, 2016, 108, 152406.	3.3	25
12	2D transition-metal diselenides: phase segregation, electronic structure, and magnetism. Journal of Physics Condensed Matter, 2016, 28, 064002.	1.8	17
13	$\text{Mn}_5\text{Si}_3$ Nanoparticles: Synthesis and Size-Induced Ferromagnetism. Nano Letters, 2016, 16, 1132-1137.	9.1	33
14	Interface-Induced Spin Polarization in Graphene on Chromia. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	14
15	Unusual spin correlations in a nanomagnet. Applied Physics Letters, 2015, 106, .	3.3	24
16	Transition-metal and metalloid substitutions in L10-ordered FeNi. Journal of Applied Physics, 2014, 115, 17A710.	2.5	12
17	Magnetic Silicon Nanoparticles. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	0
18	Magneto-Electric Control of Surface Anisotropy and Nucleation Modes in $\text{L1}_0$ -CoPt Thin Films. IEEE Magnetics Letters, 2014, 5, 1-4.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Geometry Dependence of Magnetization Reversal in Nanocomposite Alloys. <i>Jom</i> , 2014, 66, 1144-1150.	1.9	9
20	Magnetic nanostructuring and overcoming Brown's paradox to realize extraordinary high-temperature energy products. <i>Scientific Reports</i> , 2014, 4, 6265.	3.3	56
21	Chromones and their Derivatives as Radical Scavengers: A Remedy for Cell Impairment. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 2552-2575.	2.1	22
22	Predicting the Future of Permanent-Magnet Materials. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3215-3220.	2.1	168