

# Priyanka Manchanda

## List of Publications by Year in descending order

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22  
papers

444  
citations

933447

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794594

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g-index

22  
all docs

22  
docs citations

22  
times ranked

797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the Future of Permanent-Magnet Materials. IEEE Transactions on Magnetism, 2013, 49, 3215-3220.	2.1	168
2	Magnetic nanostructuring and overcoming Brown's paradox to realize extraordinary high-temperature energy products. Scientific Reports, 2014, 4, 6265.	3.3	56
3	Mn <sub>5</sub> Si <sub>3</sub> Nanoparticles: Synthesis and Size-Induced Ferromagnetism. Nano Letters, 2016, 16, 1132-1137.	9.1	33
4	Chiral Magnetism and High-Temperature Skyrmions in B20-Ordered Co-Si. Physical Review Letters, 2020, 124, 057201.	7.8	31
5	High-coercivity magnetism in nanostructures with strong easy-plane anisotropy. Applied Physics Letters, 2016, 108, 152406.	3.3	25
6	Unusual spin correlations in a nanomagnet. Applied Physics Letters, 2015, 106, .	3.3	24
7	Chromones and their Derivatives as Radical Scavengers: A Remedy for Cell Impairment. Current Topics in Medicinal Chemistry, 2014, 14, 2552-2575.	2.1	22
8	2D transition-metal diselenides: phase segregation, electronic structure, and magnetism. Journal of Physics Condensed Matter, 2016, 28, 064002.	1.8	17
9	Interface-Induced Spin Polarization in Graphene on Chromia. IEEE Magnetism Letters, 2016, 7, 1-4.	1.1	14
10	Transition-metal and metalloid substitutions in L10-ordered FeNi. Journal of Applied Physics, 2014, 115, 17A710.	2.5	12
11	Geometry Dependence of Magnetization Reversal in Nanocomposite Alloys. Jom, 2014, 66, 1144-1150.	1.9	9
12	Magnetic and electron transport properties of $\text{Co}_{2\text{Mn}}\text{Ni}$ nanomagnets. Physical Review Materials, 2021, 5, .		
13	Chemoenzymatic synthesis of dendronized polymers for cyanine dye encapsulation. Advances in Polymer Technology, 2018, 37, 1797-1805.	1.7	5
14	Chemoenzymatic Synthesis of D-Glucitol-Based Non-Ionic Amphiphilic Architectures as Nanocarriers. Polymers, 2020, 12, 1421.	4.5	5
15	Doping limitations of cubic boron nitride: Effects of unintentional defects on shallow doping. Physical Review B, 2022, 105, .	3.2	5
16	Design, Synthesis, and Evaluation of the Kinase Inhibition Potential of Pyridylpyrimidinylaminophenyl Derivatives. Archiv Der Pharmazie, 2017, 350, 1600390.	4.1	4
17	Design of Optimally Stable Molecular Coatings for Fe-Based Nanoparticles in Aqueous Environments. ACS Omega, 2017, 2, 4480-4487.	3.5	3
18	Magneto-Electric Control of Surface Anisotropy and Nucleation Modes in $\text{L1}_{00}\text{-CoPt}$ Thin Films. IEEE Magnetism Letters, 2014, 5, 1-4.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Peripheral chiral spin textures and topological Hall effect in CoSi nanomagnets. Physical Review Materials, 2021, 5, .	2.4	2
20	Anisotropy and Crystal Field. , 2021, , 1-83.		1
21	Magnetic Silicon Nanoparticles. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	0
22	Anisotropy and Crystal Field. , 2021, , 103-185.		0