

# Kinjal H Gandha

## List of Publications by Year in descending order

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docs citations

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times ranked

1151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-Dependent Magnetic Properties of Magnetorheological Elastomers. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	4
2	Microstructural evolutions, phase transformations and hard magnetic properties in polycrystalline Ce-Co-Fe-Cu alloys. Materials Chemistry and Physics, 2022, 286, 126179.	4.0	0
3	Alignment of magnetic particles in anisotropic Nd-Fe-B bonded magnets. Journal Physics D: Applied Physics, 2021, 54, 315004.	2.8	4
4	3D printing of anisotropic Sm-Fe-N nylon bonded permanent magnets. Engineering Reports, 2021, 3, e12478.	1.7	6
5	Front Cover Image, Volume 3, Number 12, December 2021. Engineering Reports, 2021, 3, .	1.7	0
6	Sustainable Urban Mining of Critical Elements from Magnet and Electronic Wastes. ACS Sustainable Chemistry and Engineering, 2020, 8, 1455-1463.	6.7	28
7	Additive Manufacturing of Isotropic NdFeB PPS Bonded Permanent Magnets. Materials, 2020, 13, 3319.	2.9	23
8	Enhancement in hard magnetic properties of (Nd, Pr)-Fe-B melt-spun ribbons. Journal of Applied Physics, 2020, 128, 153901.	2.5	5
9	Additive manufacturing of highly dense anisotropic Nd-Fe-B bonded magnets. Scripta Materialia, 2020, 183, 91-95.	5.2	30
10	Exchange bias in La <sub>0.7</sub> Sr <sub>0.3</sub> CrO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> CrO <sub>3</sub> heterostructures. AIP Advances, 2020, 10, 015001.	1.3	1
11	Development of Mischmetal-Fe-Co-B Permanent Magnet Alloys via High-Throughput Methods. ACS Combinatorial Science, 2020, 22, 248-254.	3.8	7
12	Recycling of additively printed rare-earth bonded magnets. Waste Management, 2019, 90, 94-99.	7.4	16
13	Rapid Assessment of the Ce-Co-Fe-Cu System for Permanent Magnetic Applications. Jom, 2018, 70, 872-878.	1.9	13
14	Recycled Sm-Co bonded magnet filaments for 3D printing of magnets. AIP Advances, 2018, 8, .	1.3	26
15	Magnetic and electrocatalytic properties of transition metal doped MoS <sub>2</sub> nanocrystals. Journal of Applied Physics, 2018, 124, .	2.5	42
16	Additive manufacturing of anisotropic hybrid NdFeB-SmFeN nylon composite bonded magnets. Journal of Magnetism and Magnetic Materials, 2018, 467, 8-13.	2.3	68
17	Magnetic Properties of Co/CoO Core-Shell Nanowires: Roles of Antiferromagnetic Grain Size Distribution and Interfacial Spin Glass. IEEE Transactions on Magnetics, 2018, 54, 1-6.	2.1	11
18	Morphology control of hexagonal strontium ferrite micro/nano-crystals. AIP Advances, 2017, 7, .	1.3	10

#	ARTICLE	IF	CITATIONS
19	Coherent magnetization reversal and high magnetic coercivity in Co nanowire assemblies. Journal of Magnetism and Magnetic Materials, 2017, 438, 41-45.	2.3	29
20	Cleaning of magnetic nanoparticle surfaces via cold plasmas treatments. AIP Advances, 2017, 7, 056233.	1.3	5
21	Giant exchange bias and its angular dependence in Co/CoO core-shell nanowire assemblies. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2092-2096.	2.1	22
22	Enhanced coercivity in Co-doped $\hat{\pm}$ -Fe <sub>2</sub> O <sub>3</sub> cubic nanocrystal assemblies prepared via a magnetic field-assisted hydrothermal synthesis. AIP Advances, 2017, 7, .	1.3	7
23	Solution Combustion Synthesis, Characterization, and Photocatalytic Activity of CuBi <sub>2</sub> O <sub>4</sub> and Its Nanocomposites with CuO and $\hat{\pm}$ -Bi <sub>2</sub> O <sub>3</sub> . Journal of Physical Chemistry C, 2017, 121, 8252-8261.	3.1	55
24	Effect of Molybdenum Incorporation on the Structure and Magnetic Properties of Cobalt Ferrite. Journal of Physical Chemistry C, 2017, 121, 25463-25471.	3.1	25
25	Processing of MnBi bulk magnets with enhanced energy product. AIP Advances, 2016, 6, .	1.3	48
26	Mesoporous iron oxide nanowires: synthesis, magnetic and photocatalytic properties. RSC Advances, 2016, 6, 90537-90546.	3.6	45
27	Ferromagnetic FePt/Au Core/Shell Nanoparticles Prepared by Solvothermal Annealing. IEEE Magnetics Letters, 2016, 7, 1-5.	1.1	3
28	FeCo Coating on SmCo <sub>5</sub> Nanochips by a Sonochemical Method. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	5
29	Synthesis and characterization of FeCo nanowires with high coercivity. Nanotechnology, 2015, 26, 075601.	2.6	36
30	Synthesis and characterization of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles with high coercivity. Journal of Applied Physics, 2015, 117, .	2.5	66
31	Anisotropic SmCo <sub>5</sub> /FeCo core/shell nanocomposite chips prepared via electroless coating. AIMS Materials Science, 2015, 2, 294-302.	1.4	9
32	Preparation and magnetic properties of MnBi-based hard/soft composite magnets. Journal of Applied Physics, 2014, 115, .	2.5	29
33	High Energy Product Developed from Cobalt Nanowires. Scientific Reports, 2014, 4, 5345.	3.3	146
34	Effect of $\{m RuCl\}_3$ on Morphology and Magnetic Properties of CoNi Nanowires. IEEE Transactions on Magnetics, 2013, 49, 3273-3276.	2.1	17