

Kinjal H Gandha

List of Publications by Year in descending order

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34
papers

841
citations

471509
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501196
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34
docs citations

34
times ranked

1151
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | High Energy Product Developed from Cobalt Nanowires. Scientific Reports, 2014, 4, 5345. | 3.3 | 146 |
| 2 | Additive manufacturing of anisotropic hybrid NdFeB-SmFeN nylon composite bonded magnets. Journal of Magnetism and Magnetic Materials, 2018, 467, 8-13. | 2.3 | 68 |
| 3 | Synthesis and characterization of CoFe ₂ O ₄ nanoparticles with high coercivity. Journal of Applied Physics, 2015, 117, . | 2.5 | 66 |
| 4 | Solution Combustion Synthesis, Characterization, and Photocatalytic Activity of CuBi ₂ O ₄ and Its Nanocomposites with CuO and Bi ₂ O ₃ . Journal of Physical Chemistry C, 2017, 121, 8252-8261. | 3.1 | 55 |
| 5 | Processing of MnBi bulk magnets with enhanced energy product. AIP Advances, 2016, 6, . | 1.3 | 48 |
| 6 | Mesoporous iron oxide nanowires: synthesis, magnetic and photocatalytic properties. RSC Advances, 2016, 6, 90537-90546. | 3.6 | 45 |
| 7 | Magnetic and electrocatalytic properties of transition metal doped MoS ₂ nanocrystals. Journal of Applied Physics, 2018, 124, . | 2.5 | 42 |
| 8 | Synthesis and characterization of FeCo nanowires with high coercivity. Nanotechnology, 2015, 26, 075601. | 2.6 | 36 |
| 9 | Additive manufacturing of highly dense anisotropic Nd-Fe-B bonded magnets. Scripta Materialia, 2020, 183, 91-95. | 5.2 | 30 |
| 10 | Preparation and magnetic properties of MnBi-based hard/soft composite magnets. Journal of Applied Physics, 2014, 115, . | 2.5 | 29 |
| 11 | Coherent magnetization reversal and high magnetic coercivity in Co nanowire assemblies. Journal of Magnetism and Magnetic Materials, 2017, 438, 41-45. | 2.3 | 29 |
| 12 | Sustainable Urban Mining of Critical Elements from Magnet and Electronic Wastes. ACS Sustainable Chemistry and Engineering, 2020, 8, 1455-1463. | 6.7 | 28 |
| 13 | Recycled Sm-Co bonded magnet filaments for 3D printing of magnets. AIP Advances, 2018, 8, . | 1.3 | 26 |
| 14 | 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 |
| 15 | Additive Manufacturing of Isotropic NdFeB PPS Bonded Permanent Magnets. Materials, 2020, 13, 3319. | 2.9 | 23 |
| 16 | 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 |
| 17 | Effect of $[m RuCl]_3$ on Morphology and Magnetic Properties of CoNi Nanowires. IEEE Transactions on Magnetics, 2013, 49, 3273-3276. | 2.1 | 17 |
| 18 | Recycling of additively printed rare-earth bonded magnets. Waste Management, 2019, 90, 94-99. | 7.4 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Rapid Assessment of the Ce-Co-Fe-Cu System for Permanent Magnetic Applications. <i>Jom</i> , 2018, 70, 872-878. | 1.9 | 13 |
| 20 | Magnetic Properties of Co/CoO Core-Shell Nanowires: Roles of Antiferromagnetic Grain Size Distribution and Interfacial Spin Glass. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-6. | 2.1 | 11 |
| 21 | Morphology control of hexagonal strontium ferrite micro/nano-crystals. <i>AIP Advances</i> , 2017, 7, . | 1.3 | 10 |
| 22 | Anisotropic SmCo ₅ /FeCo core/shell nanocomposite chips prepared via electroless coating. <i>AIMS Materials Science</i> , 2015, 2, 294-302. | 1.4 | 9 |
| 23 | Enhanced coercivity in Co-doped \pm -Fe ₂ O ₃ cubic nanocrystal assemblies prepared via a magnetic field-assisted hydrothermal synthesis. <i>AIP Advances</i> , 2017, 7, . | 1.3 | 7 |
| 24 | Development of Mischmetal-Fe-Co-B Permanent Magnet Alloys via High-Throughput Methods. <i>ACS Combinatorial Science</i> , 2020, 22, 248-254. | 3.8 | 7 |
| 25 | 3D printing of anisotropic Sm-Fe-N nylon bonded permanent magnets. <i>Engineering Reports</i> , 2021, 3, e12478. | 1.7 | 6 |
| 26 | FeCo Coating on SmCo ₅ Nanochips by a Sonochemical Method. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4. | 2.1 | 5 |
| 27 | Cleaning of magnetic nanoparticle surfaces via cold plasmas treatments. <i>AIP Advances</i> , 2017, 7, 056233. | 1.3 | 5 |
| 28 | Enhancement in hard magnetic properties of (Nd, Pr)-Fe-B melt-spun ribbons. <i>Journal of Applied Physics</i> , 2020, 128, 153901. | 2.5 | 5 |
| 29 | Temperature-Dependent Magnetic Properties of Magnetorheological Elastomers. <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-5. | 2.1 | 4 |
| 30 | Alignment of magnetic particles in anisotropic Nd-Fe-B bonded magnets. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 315004. | 2.8 | 4 |
| 31 | Ferromagnetic FePt/Au Core/Shell Nanoparticles Prepared by Solvothermal Annealing. <i>IEEE Magnetics Letters</i> , 2016, 7, 1-5. | 1.1 | 3 |
| 32 | Exchange bias in La _{0.7} Sr _{0.3} CrO ₃ /La _{0.7} Sr _{0.3} MnO ₃ /La _{0.7} Sr _{0.3} CrO ₃ heterostructures. <i>AIP Advances</i> , 2020, 10, 015001. | 1.3 | 1 |
| 33 | Front Cover Image, Volume 3, Number 12, December 2021. <i>Engineering Reports</i> , 2021, 3, . | 1.7 | 0 |
| 34 | Microstructural evolutions, phase transformations and hard magnetic properties in polycrystalline Ce-Co-Fe-Cu alloys. <i>Materials Chemistry and Physics</i> , 2022, 286, 126179. | 4.0 | 0 |