

Rajdeep Adhikari

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,169
citations

933447

10
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1875
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Cross-plane thermal conductivity of GaN/AlN superlattices. Applied Physics Letters, 2021, 118, . | 3.3 | 8 |
| 2 | Direct-ARPES and STM Investigation of FeSe Thin Film Growth by Nd:YAG Laser. Coatings, 2021, 11, 276. | 2.6 | 5 |
| 3 | Low temperature and high magnetic field performance of a commercial piezo-actuator probed via laser interferometry. Review of Scientific Instruments, 2021, 92, 035002. | 1.3 | 2 |
| 4 | Positive Magnetoresistance and Chiral Anomaly in Exfoliated Type-II Weyl Semimetal Td-WTe ₂ . Nanomaterials, 2021, 11, 2755. | 4.1 | 2 |
| 5 | Ferromagnetic phase transition in topological crystalline insulator thin films: Interplay of anomalous Hall angle and magnetic anisotropy. Physical Review B, 2019, 100, . | 3.2 | 11 |
| 6 | Magnetotransport in phase-separated (Ga,Fe)N with GaFe_4N nanocrystals. Physical Review B, 2019, 99, . | 3.2 | 10 |
| 7 | Influence of Mn co-doping on the magnetic properties of planar arrays of $\text{Ga}_x\text{Fe}_{4-x}\text{N}$ nanocrystals in a GaN matrix. Physical Chemistry Chemical Physics, 2018, 20, 25411-25420. | 2.8 | 6 |
| 8 | Controlling a three dimensional electron slab of graded $\text{Al}_x\text{Ga}_{1-x}\text{N}$. Applied Physics Letters, 2016, 108, . | 3.3 | 9 |
| 9 | Rashba semiconductor as spin Hall material: Experimental demonstration of spin pumping in wurtzite GaN:Si . Physical Review B, 2016, 94, . | 3.2 | 10 |
| 10 | Two-Probe Measurements of Electron Transport in $\text{GaN:Si}/(\text{Ga,Mn})\text{N}/\text{GaN:Si}$ Spin Filter Structures. Acta Physica Polonica A, 2016, 130, 1196-1198. | 0.5 | 2 |
| 11 | Upper bound for the integral in -(Ga,Mn)N:Si from magnetotransport studies. Physical Review B, 2015, 91, . | 3.2 | 8 |
| 12 | Mn as Surfactant for the Self-Assembling of $\text{Al}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ Layered Heterostructures. Crystal Growth and Design, 2015, 15, 587-592. | 3.0 | 14 |
| 13 | Experimental determination of Rashba spin-orbit coupling in wurtzite GaN:Si . Physical Review B, 2014, 89, . | 3.2 | 27 |
| 14 | Giant junction magnetoresistance effect in ferromagnet/semiconductor heterostructures. Journal of Applied Physics, 2013, 114, 154513. | 2.5 | 3 |
| 15 | Self-grown core/shell nanoparticles of cobalt: Correlation of structure, transport and magnetism. Journal of Magnetism and Magnetic Materials, 2013, 339, 20-29. | 2.3 | 5 |
| 16 | Correlation between the mechanical and magneto-transport properties of cobalt film on semiconducting substrate. Physica B: Condensed Matter, 2012, 407, 4148-4153. | 2.7 | 1 |
| 17 | The cantilever beam magnetometer: A simple teaching tool for magnetic characterization. American Journal of Physics, 2012, 80, 225-231. | 0.7 | 20 |
| 18 | Magnetic Schottky diode exploiting spin polarized transport in Co/p-Si heterostructure. Applied Physics Letters, 2012, 100, . | 3.3 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Magnetic diode exploiting giant positive magnetoresistance in ferrite/semiconductor heterostructures. Applied Physics Letters, 2011, 98, . | 3.3 | 14 |
| 20 | Gd-doped SnO ₂ nanoparticles: Structure and magnetism. Journal of Magnetism and Magnetic Materials, 2010, 322, 3631-3637. | 2.3 | 28 |
| 21 | LIGO: the Laser Interferometer Gravitational-Wave Observatory. Reports on Progress in Physics, 2009, 72, 076901. | 20.1 | 971 |