

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	LIGO: the Laser Interferometer Gravitational-Wave Observatory. Reports on Progress in Physics, 2009, 72, 076901.	20.1	971
2	Gd-doped SnO ₂ nanoparticles: Structure and magnetism. Journal of Magnetism and Magnetic Materials, 2010, 322, 3631-3637.	2.3	28
3	Experimental determination of Rashba spin-orbit coupling in wurtzite GaN:Si. Physical Review B, 2014, 89, .	3.2	27
4	The cantilever beam magnetometer: A simple teaching tool for magnetic characterization. American Journal of Physics, 2012, 80, 225-231.	0.7	20
5	Magnetic diode exploiting giant positive magnetoresistance in ferrite/semiconductor heterostructures. Applied Physics Letters, 2011, 98, .	3.3	14
6	Mn as Surfactant for the Self-Assembling of Al _x Ga _{1-x} N/GaN Layered Heterostructures. Crystal Growth and Design, 2015, 15, 587-592.	3.0	14
7	Magnetic Schottky diode exploiting spin polarized transport in Co/p-Si heterostructure. Applied Physics Letters, 2012, 100, .	3.3	13
8	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
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	Magnetotransport in phase-separated (Ga,Fe)N with Ga _{1-x} Fe _{2x} N nanocrystals. Physical Review B, 2019, 99, .	3.2	10
11	Controlling a three dimensional electron slab of graded Al _x Ga _{1-x} N. Applied Physics Letters, 2016, 108, .	3.3	9
12	Upper bound for the integral in $\int_{-\infty}^{\infty} d\omega$ from magnetotransport studies. Physical Review B, 2015, 91, .	3.2	8
13	Cross-plane thermal conductivity of GaN/AlN superlattices. Applied Physics Letters, 2021, 118, .	3.3	8
14	Influence of Mn co-doping on the magnetic properties of planar arrays of Ga _x Fe _{4-x} N nanocrystals in a GaN matrix. Physical Chemistry Chemical Physics, 2018, 20, 25411-25420.	2.8	6
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	Direct-ARPES and STM Investigation of FeSe Thin Film Growth by Nd:YAG Laser. Coatings, 2021, 11, 276.	2.6	5
17	Giant junction magnetoresistance effect in ferromagnet/semiconductor heterostructures. Journal of Applied Physics, 2013, 114, 154513.	2.5	3
18	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

#	ARTICLE	IF	CITATIONS
19	Two-Probe Measurements of Electron Transport in GaN:Si/(Ga,Mn)N/GaN:Si Spin Filter Structures. Acta Physica Polonica A, 2016, 130, 1196-1198.	0.5	2
20	Positive Magnetoresistance and Chiral Anomaly in Exfoliated Type-II Weyl Semimetal Td-WTe ₂ . Nanomaterials, 2021, 11, 2755.	4.1	2
21	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