

Rasanga L Samaraweera

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

99
citations

1478505

6
h-index

1372567

10
g-index

16
all docs

16
docs citations

16
times ranked

72
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable electron heating induced giant magnetoresistance in the high mobility GaAs/AlGaAs 2D electron system. Scientific Reports, 2016, 6, 38516.	3.3	23
2	Mutual influence between current-induced giant magnetoresistance and radiation-induced magnetoresistance oscillations in the GaAs/AlGaAs 2DES. Scientific Reports, 2017, 7, 5074.	3.3	19
3	Coherent backscattering in quasi-ballistic ultra-high mobility GaAs/AlGaAs 2DES. Scientific Reports, 2018, 8, 10061.	3.3	13
4	Angular phase shift in polarization-angle dependence of microwave-induced magnetoresistance oscillations. Physical Review B, 2016, 94, .	3.2	8
5	Strain relaxation in different shapes of single crystal graphene grown by chemical vapor deposition on copper. Carbon, 2020, 168, 684-690.	10.3	8
6	Millimeter wave radiation-induced magnetoresistance oscillations in the high quality GaAs/AlGaAs 2D electron system under bichromatic excitation. Physical Review B, 2017, 95, .	3.2	7
7	Electron heating induced by microwave photoexcitation in the GaAs/AlGaAs two-dimensional electron system. Physical Review B, 2018, 98, .	3.2	5
8	Cyclotron resonance in the high mobility GaAs/AlGaAs 2D electron system over the microwave, mm-wave, and terahertz- bands. Scientific Reports, 2019, 9, 2409.	3.3	5
9	Effects of Long-Time Current Annealing to the Hysteresis in CVD Graphene on SiO ₂ . MRS Advances, 2019, 4, 3319-3326.	0.9	4
10	Electron heating induced by an ac-bias current in the regime of Shubnikov-de Haas oscillation in the high mobility GaAs/Al _x Ga _{1-x} As two-dimensional electron system. Journal of Physics Condensed Matter, 2018, 30, 315701.	1.8	3
11	Study of narrow negative magnetoresistance effect in ultra-high mobility GaAs/AlGaAs 2DES under microwave photo-excitation. Scientific Reports, 2020, 10, 781.	3.3	3
12	Influence of Microwave Excitation Power on the Narrow Negative Magnetoresistance Effect Around B ₀ = 0 T in the Ultra-High Mobility GaAs/AlGaAs 2DES. Physica Status Solidi (B): Basic Research, 2019, 256, 1800610.	1.5	1
13	Extraction of overlapping radiation-induced magnetoresistance oscillations and bell-shaped giant magnetoresistance in the GaAs/AlGaAs 2DES using a multiconduction model. Journal of Physics: Conference Series, 2017, 864, 012050.	0.4	0
14	Evolution of the frequency-dependent polarization-angle phase-shift in the microwave radiation-induced magnetoresistance oscillations. Journal of Physics: Conference Series, 2017, 864, 012056.	0.4	0
15	Behaviour of Bichromatic Microwave Induced Magnetoresistance Oscillations in the High Mobility GaAs/AlGaAs 2D electron System. Journal of Physics: Conference Series, 2017, 864, 012055.	0.4	0
16	Influence of microwave photo-excitation on the transport properties of the high mobility GaAs/AlGaAs 2D electron system. MRS Advances, 2019, 4, 3347-3352.	0.9	0