

Piranavan Kumaravadivel

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

673
citations

777949

13
h-index

889612

19
g-index

19
all docs

19
docs citations

19
times ranked

1913
citing authors

#	ARTICLE	IF	CITATIONS
1	Out-of-equilibrium criticalities in graphene superlattices. <i>Science</i> , 2022, 375, 430-433.	6.0	34
2	Graphene's non-equilibrium fermions reveal Doppler-shifted magnetophonon resonances accompanied by Mach supersonic and Landau velocity effects. <i>Nature Communications</i> , 2021, 12, 6392.	5.8	5
3	Long-range ballistic transport of Brown-Zak fermions in graphene superlattices. <i>Nature Communications</i> , 2020, 11, 5756.	5.8	25
4	Control of electron-electron interaction in graphene by proximity screening. <i>Nature Communications</i> , 2020, 11, 2339.	5.8	46
5	Minibands in twisted bilayer graphene probed by magnetic focusing. <i>Science Advances</i> , 2020, 6, eaay7838.	4.7	21
6	Strong magnetophonon oscillations in extra-large graphene. <i>Nature Communications</i> , 2019, 10, 3334.	5.8	25
7	Magnetophonon spectroscopy of Dirac fermion scattering by transverse and longitudinal acoustic phonons in graphene. <i>Physical Review B</i> , 2019, 100, .	1.1	16
8	Giant oscillations in a triangular network of one-dimensional states in marginally twisted graphene. <i>Nature Communications</i> , 2019, 10, 4008.	5.8	67
9	Micromagnetometry of two-dimensional ferromagnets. <i>Nature Electronics</i> , 2019, 2, 457-463.	13.1	93
10	Dislocation-driven SnTe surface defects during chemical vapor deposition growth. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 128, 351-359.	1.9	8
11	Direct Synthesis of Large-scale WTe ₂ Thin Films with Low Thermal Conductivity. <i>Advanced Functional Materials</i> , 2017, 27, 1605928.	7.8	86
12	Ultrathin dendrimer-graphene oxide composite film for stable cycling lithium-sulfur batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3578-3583.	3.3	90
13	Magnetic field suppression of Andreev conductance at superconductor-graphene interface. <i>2D Materials</i> , 2017, 4, 045011.	2.0	4
14	Synthesis and superconductivity of In-doped SnTe nanostructures. <i>APL Materials</i> , 2017, 5, .	2.2	11
15	Suppression of Magnetoresistance in Thin WTe ₂ Flakes by Surface Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23175-23180.	4.0	47
16	Signatures of evanescent transport in ballistic suspended graphene-superconductor junctions. <i>Scientific Reports</i> , 2016, 6, 24274.	1.6	13
17	Tuning strain in flexible graphene nanoelectromechanical resonators. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	20
18	Bolometric response in graphene based superconducting tunnel junctions. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	60