

# Piranavan Kumaravadivel

## List of Publications by Year in descending order

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18  
papers

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687335  
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all docs

19  
docs citations

19  
times ranked

1650  
citing authors

#	ARTICLE	IF	CITATIONS
1	Out-of-equilibrium criticalities in graphene superlattices. Science, 2022, 375, 430-433.	12.6	34
2	Graphene's non-equilibrium fermions reveal Doppler-shifted magnetophonon resonances accompanied by Mach supersonic and Landau velocity effects. Nature Communications, 2021, 12, 6392.	12.8	5
3	Long-range ballistic transport of Brown-Zak fermions in graphene superlattices. Nature Communications, 2020, 11, 5756.	12.8	25
4	Control of electron-electron interaction in graphene by proximity screening. Nature Communications, 2020, 11, 2339.	12.8	46
5	Minibands in twisted bilayer graphene probed by magnetic focusing. Science Advances, 2020, 6, eaay7838.	10.3	21
6	Strong magnetophonon oscillations in extra-large graphene. Nature Communications, 2019, 10, 3334.	12.8	25
7	Magnetophonon spectroscopy of Dirac fermion scattering by transverse and longitudinal acoustic phonons in graphene. Physical Review B, 2019, 100, .	3.2	16
8	Giant oscillations in a triangular network of one-dimensional states in marginally twisted graphene. Nature Communications, 2019, 10, 4008.	12.8	67
9	Micromagnetometry of two-dimensional ferromagnets. Nature Electronics, 2019, 2, 457-463.	26.0	93
10	Dislocation-driven SnTe surface defects during chemical vapor deposition growth. Journal of Physics and Chemistry of Solids, 2019, 128, 351-359.	4.0	8
11	Direct Synthesis of Large-scale WTe <sub>2</sub> Thin Films with Low Thermal Conductivity. Advanced Functional Materials, 2017, 27, 1605928.	14.9	86
12	Ultrathin dendrimer-graphene oxide composite film for stable cycling lithium-sulfur batteries. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3578-3583.	7.1	90
13	Magnetic field suppression of Andreev conductance at superconductor-graphene interface. 2D Materials, 2017, 4, 045011.	4.4	4
14	Synthesis and superconductivity of In-doped SnTe nanostructures. APL Materials, 2017, 5, .	5.1	11
15	Suppression of Magnetoresistance in Thin WTe <sub>2</sub> Flakes by Surface Oxidation. ACS Applied Materials & Interfaces, 2017, 9, 23175-23180.	8.0	47
16	Signatures of evanescent transport in ballistic suspended graphene-superconductor junctions. Scientific Reports, 2016, 6, 24274.	3.3	13
17	Tuning strain in flexible graphene nanoelectromechanical resonators. Applied Physics Letters, 2015, 107, .	3.3	20
18	Bolometric response in graphene based superconducting tunnel junctions. Applied Physics Letters, 2012, 100, .	3.3	60