A I Berdyugin

List of Publications by Citations

14 papers	377 citations	9 h-index	15 g-index
15 ext. papers	630 ext. citations	22.7 avg, IF	3.31 L-index

#	Paper	IF	Citations
14	Measuring Hall viscosity of grapheneis electron fluid. *Science*, **2019**, 364, 162-165	33.3	97
13	Fluidity onset in graphene. *Nature Communications*, **2018**, 9, 4533	17.4	70
12	Micromagnetometry of two-dimensional ferromagnets. *Nature Electronics*, **2019**, 2, 457-463	28.4	46
11	Giant photoeffect in proton transport through graphene membranes. *Nature Nanotechnology*, **2018** , 13, 300-303	28.7	41
10	Giant oscillations in a triangular network of one-dimensional states in marginally twisted graphene. *Nature Communications*, **2019**, 10, 4008	17.4	36
9	Electronic phase separation in multilayer rhombohedral graphite. *Nature*, **2020**, 584, 210-214	50.4	31
8	Control of electron-electron interaction in graphene by proximity screenings. *Nature Communications*, **2020**, 11, 2339	17.4	17
7	Strong magnetophonon oscillations in extra-large graphene. *Nature Communications*, **2019**, 10, 3334	17.4	14
6	Long-range ballistic transport of Brown-Zak fermions in graphene superlattices. *Nature Communications*, **2020**, 11, 5756	17.4	10
5	Minibands in twisted bilayer graphene probed by magnetic focusing. *Science Advances*, **2020**, 6, eaay7838	14.3	8
4	Out-of-Plane Dielectric Susceptibility of Graphene in Twistronic and Bernal Bilayers. *Nano Letters*, **2021**, 21, 6678-6683	11.5	6
3	Out-of-equilibrium criticalities in graphene superlattices.. *Science*, **2022**, 375, 430-433	33.3	1
2	Grapheneis non-equilibrium fermions reveal Doppler-shifted magnetophonon resonances accompanied by Mach supersonic and Landau velocity effects. *Nature Communications*, **2021**, 12, 6392	17.4	0
1	Magnetization Signature of Topological Surface States in a Non-Symmorphic Superconductor. *Advanced Materials*, **2021**, 33, e2103257	24	