

John Birkbeck

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

778
citations

759233

12
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

1511
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualizing Poiseuille flow of hydrodynamic electrons. Nature, 2019, 576, 75-79.	27.8	170
2	Micromagnetometry of two-dimensional ferromagnets. Nature Electronics, 2019, 2, 457-463.	26.0	93
3	Edge currents shunt the insulating bulk in gapped graphene. Nature Communications, 2017, 8, 14552.	12.8	77
4	Composite super-moiré lattices in double-aligned graphene heterostructures. Science Advances, 2019, 5, eaay8897.	10.3	74
5	Unusual Suppression of the Superconducting Energy Gap and Critical Temperature in Atomically Thin NbSe ₂ . Nano Letters, 2018, 18, 2623-2629.	9.1	70
6	Imaging resonant dissipation from individual atomic defects in graphene. Science, 2017, 358, 1303-1306.	12.6	66
7	Simultaneous voltage and current density imaging of flowing electrons in two dimensions. Nature Nanotechnology, 2019, 14, 480-487.	31.5	55
8	Imaging work and dissipation in the quantum Hall state in graphene. Nature, 2019, 575, 628-633.	27.8	50
9	Excess resistivity in graphene superlattices caused by umklapp electron-electron scattering. Nature Physics, 2019, 15, 32-36.	16.7	46
10	Nacre-nanomimetics: Strong, Stiff, and Plastic. ACS Applied Materials & Interfaces, 2015, 7, 26783-26791.	8.0	28
11	Strong magnetophonon oscillations in extra-large graphene. Nature Communications, 2019, 10, 3334.	12.8	25
12	Enhanced Superconductivity in Few-Layer TaS ₂ due to Healing by Oxygenation. Nano Letters, 2020, 20, 3808-3818.	9.1	23