

J R Wallbank

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

2,247
citations

623188

14
h-index

996533

15
g-index

15
all docs

15
docs citations

15
times ranked

3384
citing authors

#	ARTICLE	IF	CITATIONS
1	Excess resistivity in graphene superlattices caused by umklapp electron-electron scattering. Nature Physics, 2019, 15, 32-36.	6.5	46
2	Tunnel spectroscopy of localised electronic states in hexagonal boron nitride. Communications Physics, 2018, 1, .	2.0	33
3	Signatures of van Hove Singularities Probed by the Supercurrent in a Graphene-hBN Superlattice. Physical Review Letters, 2018, 121, 137701.	2.9	21
4	Tuning the valley and chiral quantum state of Dirac electrons in van der Waals heterostructures. Science, 2016, 353, 575-579.	6.0	88
5	Moiré miniband features in the angle-resolved photoemission spectra of graphene/hBN heterostructures. Physical Review B, 2016, 93, .	1.1	18
6	Zero-energy modes and valley asymmetry in the Hofstadter spectrum of bilayer graphene van der Waals heterostructures with hBN. Physical Review B, 2016, 94, .	1.1	6
7	Twist-controlled resonant tunnelling between monolayer and bilayer graphene. Applied Physics Letters, 2015, 107, .	1.5	19
8	Resonant tunnelling between the chiral Landau states of twisted graphene lattices. Nature Physics, 2015, 11, 1057-1062.	6.5	64
9	Dirac edges of fractal magnetic minibands in graphene with hexagonal moiré superlattices. Physical Review B, 2014, 89, .	1.1	42
10	Twist-controlled resonant tunnelling in graphene/boron nitride/graphene heterostructures. Nature Nanotechnology, 2014, 9, 808-813.	15.6	435
11	Heterostructures of bilayer graphene and h -BN: Interplay between misalignment, interlayer asymmetry, and trigonal warping. Physical Review B, 2013, 88, .	1.1	47
12	Moiré minibands in graphene heterostructures with almost commensurate $\sqrt{3}$ -hexagonal crystals. Physical Review B, 2013, 88, .	1.1	30
13	Generic miniband structure of graphene on a hexagonal substrate. Physical Review B, 2013, 87, .	1.1	259
14	Infrared absorption by graphene-hBN heterostructures. New Journal of Physics, 2013, 15, 123009.	1.2	32
15	Cloning of Dirac fermions in graphene superlattices. Nature, 2013, 497, 594-597.	13.7	1,107