J R Wallbank

List of Publications by Year in descending order

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15 papers	2,247 citations	623734 14 h-index	996975 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 electronâ€“electron scattering. Nature Physics, 2019, 15, 32-36.	16.7	46
2	Tunnel spectroscopy of localised electronic states in hexagonal boron nitride. Communications Physics, 2018, 1, .	5.3	33
3	Signatures of van Hove Singularities Probed by the Supercurrent in a Graphene-hBN Superlattice. Physical Review Letters, 2018, 121, 137701.	7.8	21
4	Tuning the valley and chiral quantum state of Dirac electrons in van der Waals heterostructures. Science, 2016, 353, 575-579.	12.6	88
5	MoirÃ© miniband features in the angle-resolved photoemission spectra of graphene/hBNheterostructures. Physical Review B, 2016, 93, .	3.2	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, .	3.2	6
7	Twist-controlled resonant tunnelling between monolayer and bilayer graphene. Applied Physics Letters, 2015, 107, .	3.3	19
8	Resonant tunnelling between the chiral Landau states of twisted graphene lattices. Nature Physics, 2015, 11, 1057-1062.	16.7	64
9	Dirac edges of fractal magnetic minibands in graphene with hexagonal moirÃ© superlattices. Physical Review B, 2014, 89, .	3.2	42
10	Twist-controlled resonant tunnelling in graphene/boron nitride/graphene heterostructures. Nature Nanotechnology, 2014, 9, 808-813.	31.5	435
11	Heterostructures of bilayer graphene and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>h</mml:mi></mml:math>-BN: Interplay between misalignment, interlayer asymmetry, and trigonal warping. Physical Review B, 2013, 88, .	3.2	47
12	MoirÃ© minibands in graphene heterostructures with almost commensurate3Ã—3hexagonal crystals. Physical Review B, 2013, 88, .	3.2	30
13	Generic miniband structure of graphene on a hexagonal substrate. Physical Review B, 2013, 87, .	3.2	259
14	Infrared absorption by grapheneâ€“hBN heterostructures. New Journal of Physics, 2013, 15, 123009.	2.9	32
15	Cloning of Dirac fermions in graphene superlattices. Nature, 2013, 497, 594-597.	27.8	1,107