

J R Wallbank

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11191685/publications.pdf>

Version: 2024-02-01

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	Cloning of Dirac fermions in graphene superlattices. <i>Nature</i> , 2013, 497, 594-597.	27.8	1,107
2	Twist-controlled resonant tunnelling in graphene/boron nitride/graphene heterostructures. <i>Nature Nanotechnology</i> , 2014, 9, 808-813.	31.5	435
3	Generic miniband structure of graphene on a hexagonal substrate. <i>Physical Review B</i> , 2013, 87, .	3.2	259
4	Tuning the valley and chiral quantum state of Dirac electrons in van der Waals heterostructures. <i>Science</i> , 2016, 353, 575-579.	12.6	88
5	Resonant tunnelling between the chiral Landau states of twisted graphene lattices. <i>Nature Physics</i> , 2015, 11, 1057-1062.	16.7	64
6	Heterostructures of bilayer graphene and h -BN: Interplay between misalignment, interlayer asymmetry, and trigonal warping. <i>Physical Review B</i> , 2013, 88, .	3.2	47
7	Excess resistivity in graphene superlattices caused by umklapp electron-electron scattering. <i>Nature Physics</i> , 2019, 15, 32-36.	16.7	46
8	Dirac edges of fractal magnetic minibands in graphene with hexagonal moiré superlattices. <i>Physical Review B</i> , 2014, 89, .	3.2	42
9	Tunnel spectroscopy of localised electronic states in hexagonal boron nitride. <i>Communications Physics</i> , 2018, 1, .	5.3	33
10	Infrared absorption by graphene-hBN heterostructures. <i>New Journal of Physics</i> , 2013, 15, 123009.	2.9	32
11	Moiré minibands in graphene heterostructures with almost commensurate 3-3 hexagonal crystals. <i>Physical Review B</i> , 2013, 88, .	3.2	30
12	Signatures of van Hove Singularities Probed by the Supercurrent in a Graphene-hBN Superlattice. <i>Physical Review Letters</i> , 2018, 121, 137701.	7.8	21
13	Twist-controlled resonant tunnelling between monolayer and bilayer graphene. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	19
14	Moiré miniband features in the angle-resolved photoemission spectra of graphene/hBN heterostructures. <i>Physical Review B</i> , 2016, 93, .	3.2	18
15	Zero-energy modes and valley asymmetry in the Hofstadter spectrum of bilayer graphene van der Waals heterostructures with hBN. <i>Physical Review B</i> , 2016, 94, .	3.2	6