

Peter Rickhaus

List of Publications by Year in descending order

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papers

1,508
citations

331259

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docs citations

34
times ranked

1724
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabry-Pérot cavities and quantum dot formation at gate-defined interfaces in twisted double bilayer graphene. 2D Materials, 2022, 9, 014003.	2.0	2
2	Scattering between Minivalleys in Twisted Double Bilayer Graphene. Physical Review Letters, 2022, 128, 057702.	2.9	11
3	Quantum capacitive coupling between large-angle twisted graphene layers. 2D Materials, 2022, 9, 025013.	2.0	2
4	Electron transport in dual-gated three-layer MoS_2 . Physical Review Research, 2021, 3, .	1.3	7
5	Gate-defined Josephson junctions in magic-angle twisted bilayer graphene. Nature Nanotechnology, 2021, 16, 760-763.	15.6	51
6	Correlated electron-hole state in twisted double-bilayer graphene. Science, 2021, 373, 1257-1260.	6.0	41
7	Tailoring the Band Structure of Twisted Double Bilayer Graphene with Pressure. Nano Letters, 2021, 21, 8777-8784.	4.5	19
8	Combined Minivalley and Layer Control in Twisted Double Bilayer Graphene. Physical Review Letters, 2020, 125, 176801.	2.9	15
9	Fully Automated Identification of Two-Dimensional Material Samples. Physical Review Applied, 2020, 13, .	1.5	16
10	Tunable Valley Splitting due to Topological Orbital Magnetic Moment in Bilayer Graphene Quantum Point Contacts. Physical Review Letters, 2020, 124, 126802.	2.9	46
11	The electronic thickness of graphene. Science Advances, 2020, 6, eaay8409.	4.7	35
12	Coulomb dominated cavities in bilayer graphene. Physical Review Research, 2020, 2, .	1.3	5
13	Charge Detection in Gate-Defined Bilayer Graphene Quantum Dots. Nano Letters, 2019, 19, 5216-5221.	4.5	45
14	Gap Opening in Twisted Double Bilayer Graphene by Crystal Fields. Nano Letters, 2019, 19, 8821-8828.	4.5	39
15	GHz nanomechanical resonator in an ultraclean suspended graphene p-n junction. Nanoscale, 2019, 11, 4355-4361.	2.8	34
16	Edge channel confinement in a bilayer graphene quantum dot. New Journal of Physics, 2018, 20, 013013.	1.2	4
17	Electrostatically Induced Quantum Point Contacts in Bilayer Graphene. Nano Letters, 2018, 18, 553-559.	4.5	83
18	Topologically Nontrivial Valley States in Bilayer Graphene Quantum Point Contacts. Physical Review Letters, 2018, 121, 257702.	2.9	39

#	ARTICLE	IF	CITATIONS
19	Interactions and Magnetotransport through Spin-Valley Coupled Landau Levels in Monolayer MoS_2 . Physical Review Letters, 2018, 121, 247701.	2.9	80
20	Transport Through a Network of Topological Channels in Twisted Bilayer Graphene. Nano Letters, 2018, 18, 6725-6730.	4.5	109
21	Spin and Valley States in Gate-Defined Bilayer Graphene Quantum Dots. Physical Review X, 2018, 8, .	2.8	83
22	Coupled Quantum Dots in Bilayer Graphene. Nano Letters, 2018, 18, 5042-5048.	4.5	64
23	Fabry-Pérot Resonances in a Graphene/hBN Moiré Superlattice. Nano Letters, 2017, 17, 328-333.	4.5	32
24	Giant Valley-Isospin Conductance Oscillations in Ballistic Graphene. Nano Letters, 2017, 17, 5389-5393.	4.5	20
25	Signatures of single quantum dots in graphene nanoribbons within the quantum Hall regime. Nanoscale, 2016, 8, 11480-11486.	2.8	10
26	Microwave Photodetection in an Ultraclean Suspended Bilayer Graphene p-n Junction. Nano Letters, 2016, 16, 6988-6993.	4.5	26
27	Gate-controlled conductance enhancement from quantum Hall channels along graphene p-n junctions. Nanoscale, 2016, 8, 19910-19916.	2.8	10
28	Gate tuneable beamsplitter in ballistic graphene. Applied Physics Letters, 2015, 107, .	1.5	44
29	Scalable Tight-Binding Model for Graphene. Physical Review Letters, 2015, 114, 036601.	2.9	74
30	Snake trajectories in ultraclean graphene p-n junctions. Nature Communications, 2015, 6, 6470.	5.8	93
31	Guiding of Electrons in a Few-Mode Ballistic Graphene Channel. Nano Letters, 2015, 15, 5819-5825.	4.5	64
32	Fabrication of ballistic suspended graphene with local-gating. Carbon, 2014, 79, 486-492.	5.4	21
33	Ballistic interferences in suspended graphene. Nature Communications, 2013, 4, 2342.	5.8	185
34	Quantum Hall Effect in Graphene with Superconducting Electrodes. Nano Letters, 2012, 12, 1942-1945.	4.5	99