Marc Bockrath

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5745871/publications.pdf

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20	890	759233 12	713466 21
papers	citations	h-index	g-index

21	21	21	2078
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gate tunable quantum oscillations in air-stable and high mobility few-layer phosphorene heterostructures. 2D Materials, 2015, 2, 011001.	4.4	209
2	Correlated insulating and superconducting states in twisted bilayer graphene below the magic angle. Science Advances, 2019, 5, eaaw9770.	10.3	138
3	Tunable spinâ€“orbit coupling and symmetry-protected edge states in graphene/WS ₂. 2D Materials, 2016, 3, 031012.	4.4	135
4	Raman Spectroscopy, Photocatalytic Degradation, and Stabilization of Atomically Thin Chromium Tri-iodide. Nano Letters, 2018, 18, 4214-4219.	9.1	131
5	Quantum Hall Effect Measurement of Spinâ€“Orbit Coupling Strengths in Ultraclean Bilayer Graphene/WSe₂ Heterostructures. Nano Letters, 2019, 19, 7028-7034.	9.1	43
6	Quantum Wires and Waveguides Formed in Graphene by Strain. Nano Letters, 2018, 18, 64-69.	9.1	37
7	Approaching quantum anomalous Hall effect in proximity-coupled YIG/graphene/h-BN sandwich structure. APL Materials, 2018, 6, .	5.1	35
8	Surface transport and quantum Hall effect in ambipolar black phosphorus double quantum wells. Science Advances, 2017, 3, e1603179.	10.3	27
9	Nanoscale pressure sensors realized from suspended graphene membrane devices. Applied Physics Letters, 2015, 106, .	3.3	25
10	Superior Current Carrying Capacity of Boron Nitride Encapsulated Carbon Nanotubes with Zero-Dimensional Contacts. Nano Letters, 2015, 15, 6836-6840.	9.1	25
11	Topological Winding Number Change and Broken Inversion Symmetry in a Hofstadterâ€™s Butterfly. Nano Letters, 2015, 15, 6395-6399.	9.1	19
12	Layer- and gate-tunable spin-orbit coupling in a high-mobility few-layer semiconductor. Science Advances, 2021, 7, .	10.3	16
13	Gate-Tunable Magnetism and Giant Magnetoresistance in Suspended Rhombohedral-Stacked Few-Layer Graphene. Nano Letters, 2022, 22, 5094-5099.	9.1	12
14	Strange metal behavior of the Hall angle in twisted bilayer graphene. Physical Review B, 2021, 103, .	3.2	9
15	Unprecedented Charge State Control in Graphene Quantum Dots. Nano Letters, 2020, 20, 2937-2938.	9.1	7
16	Enhancing Perpendicular Magnetic Anisotropy in Garnet Ferrimagnet by Interfacing with Few-Layer WTe₂. Nano Letters, 2022, 22, 1115-1121.	9.1	7
17	Gate-Tunable Transport in Quasi-One-Dimensional Î±-Bi₄I₄ Field Effect Transistors. Nano Letters, 2022, 22, 1151-1158.	9.1	5
18	Fractional and Symmetry-Broken Chern Insulators in Tunable MoirÃ© Superlattices. Nano Letters, 2019, 19, 4321-4326.	9.1	3

#	Article	IF	Citations
19	Substrate-Dependent Band Structures in Trilayer Graphene/hâ^'BN Heterostructures. Physical Review Letters, 2020, 125, 246401.	7.8	3
20	Spin-orbit coupling and interactions in quantum Hall states of graphene/ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> heterobilayers. Physical Review B, 2021, 104, .	3.2	3