

Marc Bockrath

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Gate-Tunable Transport in Quasi-One-Dimensional $\hat{\pm}\text{Bi}_{4\text{I}_{4}}$ Field Effect Transistors. Nano Letters, 2022, 22, 1151-1158.	9.1	5
2	Enhancing Perpendicular Magnetic Anisotropy in Garnet Ferrimagnet by Interfacing with Few-Layer WTe_2 . Nano Letters, 2022, 22, 1115-1121.	9.1	7
3	Gate-Tunable Magnetism and Giant Magnetoresistance in Suspended Rhombohedral-Stacked Few-Layer Graphene. Nano Letters, 2022, 22, 5094-5099.	9.1	12
4	Layer- and gate-tunable spin-orbit coupling in a high-mobility few-layer semiconductor. Science Advances, 2021, 7, .	10.3	16
5	Strange metal behavior of the Hall angle in twisted bilayer graphene. Physical Review B, 2021, 103, .	3.2	9
6	Spin-orbit coupling and interactions in quantum Hall states of graphene/ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:msub}>\langle \text{mml:mi}>\text{WSe}\langle \text{mml:mi}>\langle \text{mml:mn}>2\langle \text{mml:msub}>\langle \text{mml:mclose}>\langle \text{mml:msub}>\langle \text{mml:mclose}>$ heterobilayers. Physical Review B, 2021, 104, .	10.2	3
7	Substrate-Dependent Band Structures in Trilayer Graphene/ \hat{h} BN Heterostructures. Physical Review Letters, 2020, 125, 246401.	7.8	3
8	Unprecedented Charge State Control in Graphene Quantum Dots. Nano Letters, 2020, 20, 2937-2938.	9.1	7
9	Quantum Hall Effect Measurement of Spin-Orbit Coupling Strengths in Ultraclean Bilayer Graphene/ WSe_2 Heterostructures. Nano Letters, 2019, 19, 7028-7034.	9.1	43
10	Correlated insulating and superconducting states in twisted bilayer graphene below the magic angle. Science Advances, 2019, 5, eaaw9770.	10.3	138
11	Fractional and Symmetry-Broken Chern Insulators in Tunable Moiré Superlattices. Nano Letters, 2019, 19, 4321-4326.	9.1	3
12	Approaching quantum anomalous Hall effect in proximity-coupled YIG/graphene/h-BN sandwich structure. APL Materials, 2018, 6, .	5.1	35
13	Quantum Wires and Waveguides Formed in Graphene by Strain. Nano Letters, 2018, 18, 64-69.	9.1	37
14	Raman Spectroscopy, Photocatalytic Degradation, and Stabilization of Atomically Thin Chromium Tri-iodide. Nano Letters, 2018, 18, 4214-4219.	9.1	131
15	Surface transport and quantum Hall effect in ambipolar black phosphorus double quantum wells. Science Advances, 2017, 3, e1603179.	10.3	27
16	Tunable spin-orbit coupling and symmetry-protected edge states in graphene/ WS_2 . 2D Materials, 2016, 3, 031012.	4.4	135
17	Nanoscale pressure sensors realized from suspended graphene membrane devices. Applied Physics Letters, 2015, 106, .	3.3	25
18	Gate tunable quantum oscillations in air-stable and high mobility few-layer phosphorene heterostructures. 2D Materials, 2015, 2, 011001.	4.4	209

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19	Topological Winding Number Change and Broken Inversion Symmetry in a Hofstadter's Butterfly. Nano Letters, 2015, 15, 6395-6399.	9.1	19
20	Superior Current Carrying Capacity of Boron Nitride Encapsulated Carbon Nanotubes with Zero-Dimensional Contacts. Nano Letters, 2015, 15, 6836-6840.	9.1	25