

Angelika Knothe

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

428
citations

686830

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h-index

794141

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20
all docs

20
docs citations

20
times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunneling theory for a bilayer graphene quantum dot's single- and two-electron states. <i>New Journal of Physics</i> , 2022, 24, 043003.	1.2	7
2	Kagome network of miniband-edge states in double-aligned graphene-hexagonal boron nitride structures. <i>Physical Review B</i> , 2022, 105, .	1.1	5
3	Tunable Valley Splitting and Bipolar Operation in Graphene Quantum Dots. <i>Nano Letters</i> , 2021, 21, 1068-1073.	4.5	35
4	Shell Filling and Trigonal Warping in Graphene Quantum Dots. <i>Physical Review Letters</i> , 2021, 126, 147703.	2.9	22
5	Coherent Jetting from a Gate-Defined Channel in Bilayer Graphene. <i>Physical Review Letters</i> , 2021, 127, 046801.	2.9	17
6	Kondo effect and spin-orbit coupling in graphene quantum dots. <i>Nature Communications</i> , 2021, 12, 6004.	5.8	27
7	Probing Two-Electron Multiplets in Bilayer Graphene Quantum Dots. <i>Physical Review Letters</i> , 2021, 127, 256802.	2.9	15
8	Quartet states in two-electron quantum dots in bilayer graphene. <i>Physical Review B</i> , 2020, 101, .	1.1	30
9	Tunable Valley Splitting due to Topological Orbital Magnetic Moment in Bilayer Graphene Quantum Point Contacts. <i>Physical Review Letters</i> , 2020, 124, 126802.	2.9	46
10	Engineering of the topological magnetic moment of electrons in bilayer graphene using strain and electrical bias. <i>Physical Review B</i> , 2020, 101, .	1.1	17
11	Minibands in twisted bilayer graphene probed by magnetic focusing. <i>Science Advances</i> , 2020, 6, eaay7838.	4.7	21
12	Semimetallic features in quantum transport through a gate-defined point contact in bilayer graphene. <i>Physical Review B</i> , 2019, 100, .	1.1	5
13	Composite super-moiré lattices in double-aligned graphene heterostructures. <i>Science Advances</i> , 2019, 5, eaay8897.	4.7	74
14	Topologically Nontrivial Valley States in Bilayer Graphene Quantum Point Contacts. <i>Physical Review Letters</i> , 2018, 121, 257702.	2.9	39
15	Influence of minivalleys and Berry curvature on electrostatically induced quantum wires in gapped bilayer graphene. <i>Physical Review B</i> , 2018, 98, .	1.1	37
16	Phase diagram of a graphene bilayer in the zero-energy Landau level. <i>Physical Review B</i> , 2016, 94, .	1.1	9
17	Edge structure of graphene monolayers in the $\nu = 1/2$ Hall state. <i>Physical Review B</i> , 2015, 92, .	1.1	10
18	Frequency correlations in reflection from random media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015, 32, 305.	0.8	1

#	ARTICLE	IF	CITATIONS
19	Flux conservation in coherent backscattering and weak localization of light. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 315101.	0.7	5