

# 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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794141

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20  
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20  
docs citations

20  
times ranked

436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Composite super-moiré lattices in double-aligned graphene heterostructures. Science Advances, 2019, 5, eaay8897.	4.7	74
2	Tunable Valley Splitting due to Topological Orbital Magnetic Moment in Bilayer Graphene Quantum Point Contacts. Physical Review Letters, 2020, 124, 126802.	2.9	46
3	Topologically Nontrivial Valley States in Bilayer Graphene Quantum Point Contacts. Physical Review Letters, 2018, 121, 257702.	2.9	39
4	Influence of minivalleys and Berry curvature on electrostatically induced quantum wires in gapped bilayer graphene. Physical Review B, 2018, 98, .	1.1	37
5	Tunable Valley Splitting and Bipolar Operation in Graphene Quantum Dots. Nano Letters, 2021, 21, 1068-1073.	4.5	35
6	Quartet states in two-electron quantum dots in bilayer graphene. Physical Review B, 2020, 101, .	1.1	30
7	Kondo effect and spin-orbit coupling in graphene quantum dots. Nature Communications, 2021, 12, 6004.	5.8	27
8	Shell Filling and Trigonal Warping in Graphene Quantum Dots. Physical Review Letters, 2021, 126, 147703.	2.9	22
9	Minibands in twisted bilayer graphene probed by magnetic focusing. Science Advances, 2020, 6, eaay7838.	4.7	21
10	Engineering of the topological magnetic moment of electrons in bilayer graphene using strain and electrical bias. Physical Review B, 2020, 101, .	1.1	17
11	Coherent Jetting from a Gate-Defined Channel in Bilayer Graphene. Physical Review Letters, 2021, 127, 046801.	2.9	17
12	Edge structure of graphene monolayers in the $\nu = \pm 1/2$ Hall state. Physical Review B, 2015, 92, .	1.1	10
13	Probing Two-Electron Multiplets in Bilayer Graphene Quantum Dots. Physical Review Letters, 2021, 127, 256802.	2.9	15
14	Phase diagram of a graphene bilayer in the zero-energy Landau level. Physical Review B, 2016, 94, .	1.1	9
15	Tunneling theory for a bilayer graphene quantum dot's single- and two-electron states. New Journal of Physics, 2022, 24, 043003.	1.2	7
16	Flux conservation in coherent backscattering and weak localization of light. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 315101.	0.7	5
17	Semimetallic features in quantum transport through a gate-defined point contact in bilayer graphene. Physical Review B, 2019, 100, .	1.1	5
18	Kagome network of miniband-edge states in double-aligned graphene hexagonal boron nitride structures. Physical Review B, 2022, 105, .	1.1	5

#	ARTICLE	IF	CITATIONS
19	Frequency correlations in reflection from random media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 305.	0.8	1