

Yafis Barlas

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

814
citations

840776

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1687
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning Spin Transport in a Graphene Antiferromagnetic Insulator. <i>Physical Review Applied</i> , 2022, 18, .	3.8	1
2	Substrate-Dependent Band Structures in Trilayer Graphene/h ^ν BN Heterostructures. <i>Physical Review Letters</i> , 2020, 125, 246401.	7.8	3
3	Synthetic antiferromagnet-based spin Josephson oscillator. <i>Applied Physics Letters</i> , 2020, 116, 132409.	3.3	5
4	Topological Braiding of Non-Abelian Midgap Defects in Classical Metamaterials. <i>Physical Review Letters</i> , 2020, 124, 146801.	7.8	12
5	Quantum parity Hall effect in Bernal-stacked trilayer graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10286-10290.	7.1	9
6	Tunable Lifshitz Transitions and Multiband Transport in Tetralayer Graphene. <i>Physical Review Letters</i> , 2018, 120, 096802.	7.8	25
7	Topological classification table implemented with classical passive metamaterials. <i>Physical Review B</i> , 2018, 98, .	3.2	19
8	Topology of the valley-Chern effect. <i>Physical Review B</i> , 2018, 98, .	3.2	55
9	Counterpropagating Fractional Hall States in Mirror-Symmetric Dirac Semimetals. <i>Physical Review Letters</i> , 2018, 121, 066602.	7.8	4
10	Long-distance spin transport through a graphene quantum Hall antiferromagnet. <i>Nature Physics</i> , 2018, 14, 907-911.	16.7	70
11	Interlayer transport through a graphene/rotated boron nitride/graphene heterostructure. <i>Physical Review B</i> , 2017, 95, .	3.2	12
12	Effect of intervalley interaction on band topology of commensurate graphene/EuO heterostructures. <i>Physical Review B</i> , 2017, 95, .	3.2	26
13	Exciton condensate in bilayer transition metal dichalcogenides: Strong coupling regime. <i>Physical Review B</i> , 2017, 96, .	3.2	43
14	Spin-Josephson effects in exchange coupled antiferromagnetic insulators. <i>Physical Review B</i> , 2016, 94, .	3.2	9
15	Tunable Symmetries of Integer and Fractional Quantum Hall Phases in Heterostructures with Multiple Dirac Bands. <i>Physical Review Letters</i> , 2016, 117, 076807.	7.8	19
16	Natural Regulation of Energy Flow in a Green Quantum Photocell. <i>Nano Letters</i> , 2016, 16, 7461-7466.	9.1	11
17	Proximity-Induced Ferromagnetism in Graphene Revealed by the Anomalous Hall Effect. <i>Physical Review Letters</i> , 2015, 114, 016603.	7.8	428
18	Thermopower of quantum Hall states in Corbino geometry as a measure of quasiparticle entropy. <i>Physical Review B</i> , 2012, 85, .	3.2	27

#	ARTICLE	IF	CITATIONS
19	Quantum Hall to Charge-Density-Wave Phase Transitions in A - B - C -Trilayer Graphene. Physical Review Letters, 2012, 109, 126804.	7.8	20
20	Phase diagram of insulating crystal and quantum Hall states in ABC-stacked trilayer graphene. Physical Review B, 2012, 86, .	3.2	13