

# Yafis Barlas

## List of Publications by Year in descending order

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papers

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citations

840776

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docs citations

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times ranked

1687  
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#	ARTICLE	IF	CITATIONS
1	Proximity-Induced Ferromagnetism in Graphene Revealed by the Anomalous Hall Effect. Physical Review Letters, 2015, 114, 016603.	7.8	428
2	Long-distance spin transport through a graphene quantum Hall antiferromagnet. Nature Physics, 2018, 14, 907-911.	16.7	70
3	Topology of the valley-Chern effect. Physical Review B, 2018, 98, .	3.2	55
4	Exciton condensate in bilayer transition metal dichalcogenides: Strong coupling regime. Physical Review B, 2017, 96, .	3.2	43
5	Thermopower of quantum Hall states in Corbino geometry as a measure of quasiparticle entropy. Physical Review B, 2012, 85, .	3.2	27
6	Effect of intervalley interaction on band topology of commensurate graphene/EuO heterostructures. Physical Review B, 2017, 95, .	3.2	26
7	Tunable Lifshitz Transitions and Multiband Transport in Tetralayer Graphene. Physical Review Letters, 2018, 120, 096802.	7.8	25
8	Quantum Hall to Charge-Density-Wave Phase Transitions in $A</math>B</math>C</math>-Trilayer Graphene. Physical Review Letters, 2012, 109, 126804.$	7.8	20
9	Tunable Symmetries of Integer and Fractional Quantum Hall Phases in Heterostructures with Multiple Dirac Bands. Physical Review Letters, 2016, 117, 076807.	7.8	19
10	Topological classification table implemented with classical passive metamaterials. Physical Review B, 2018, 98, .	3.2	19
11	Phase diagram of insulating crystal and quantum Hall states in ABC-stacked trilayer graphene. Physical Review B, 2012, 86, .	3.2	13
12	Interlayer transport through a graphene/rotated boron nitride/graphene heterostructure. Physical Review B, 2017, 95, .	3.2	12
13	Topological Braiding of Non-Abelian Midgap Defects in Classical Metamaterials. Physical Review Letters, 2020, 124, 146801.	7.8	12
14	Natural Regulation of Energy Flow in a Green Quantum Photocell. Nano Letters, 2016, 16, 7461-7466.	9.1	11
15	Spin-Josephson effects in exchange coupled antiferromagnetic insulators. Physical Review B, 2016, 94, .	3.2	9
16	Quantum parity Hall effect in Bernal-stacked trilayer graphene. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10286-10290.	7.1	9
17	Synthetic antiferromagnet-based spin Josephson oscillator. Applied Physics Letters, 2020, 116, 132409.	3.3	5
18	Counterpropagating Fractional Hall States in Mirror-Symmetric Dirac Semimetals. Physical Review Letters, 2018, 121, 066602.	7.8	4

#	ARTICLE	IF	CITATIONS
19	Substrate-Dependent Band Structures in Trilayer Graphene/h <sup>∞</sup> BN Heterostructures. Physical Review Letters, 2020, 125, 246401.	7.8	3
20	Tuning Spin Transport in a Graphene Antiferromagnetic Insulator. Physical Review Applied, 2022, 18, .	3.8	1