Eslam Khalaf

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9614644/publications.pdf

Version: 2024-02-01

17 papers	1,829 citations	623574 14 h-index	887953 17 g-index
17 all docs	17 docs citations	17 times ranked	1083 citing authors

#	Article	IF	Citations
1	Tunable spin-polarized correlated states in twisted double bilayer graphene. Nature, 2020, 583, 221-225.	13.7	385
2	Electric fieldâ€“tunable superconductivity in alternating-twist magic-angle trilayer graphene. Science, 2021, 371, 1133-1138.	6.0	261
3	Ground State and Hidden Symmetry of Magic-Angle Graphene at Even Integer Filling. Physical Review X, 2020, 10, .	2.8	184
4	Theory of correlated insulating behaviour and spin-triplet superconductivity in twisted double bilayer graphene. Nature Communications, 2019, 10, 5333.	5.8	171
5	Fractional Chern insulators in magic-angle twisted bilayer graphene. Nature, 2021, 600, 439-443.	13.7	158
6	Magic angle hierarchy in twisted graphene multilayers. Physical Review B, 2019, 100, .	1.1	156
7	Charged skyrmions and topological origin of superconductivity in magic-angle graphene. Science Advances, 2021, 7, .	4.7	109
8	Nematic topological semimetal and insulator in magic-angle bilayer graphene at charge neutrality. Physical Review Research, 2021, 3, .	1.3	93
9	Unconventional sequence of correlated Chern insulators in magic-angle twisted bilayer graphene. Nature Physics, 2021, 17, 1210-1215.	6.5	78
10	Boundary-obstructed topological phases. Physical Review Research, 2021, 3, .	1.3	76
11	Shift Insulators: Rotation-Protected Two-Dimensional Topological Crystalline Insulators. Physical Review X, 2019, 9, .	2.8	56
12	Fermionic MonteÂCarlo Study of a Realistic Model of Twisted Bilayer Graphene. Physical Review X, 2022, 12, .	2.8	31
13	Family of Ideal Chern Flatbands with Arbitrary Chern Number in Chiral Twisted Graphene Multilayers. Physical Review Letters, 2022, 128, 176404.	2.9	31
14	Strong coupling theory of magic-angle graphene: A pedagogical introduction. Annals of Physics, 2021, 435, 168646.	1.0	27
15	Symmetry constraints on superconductivity in twisted bilayer graphene: Fractional vortices, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>e</mml:mi></mml:mrow></mml condensates, or nonunitary pairing. Physical Review B, 2022, 105, .	1.1	8
16	Mesoscopic conductance fluctuations and noise in disordered Majorana wires. Physical Review B, 2020, 102, .	1.1	3
17	Search for correlation-induced adiabatic paths between distinct topological insulators. Physical Review Research, 2020, 2, .	1.3	2