

Fengcheng Wu

List of Publications by Year in descending order

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47
papers

4,492
citations

230014

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252626

46
g-index

48
all docs

48
docs citations

48
times ranked

5243
citing authors

#	ARTICLE	IF	CITATIONS
19	Three-dimensional topological twistrionics. Physical Review Research, 2020, 2, .	1.3	32
20	Giant anomalous Hall effect in quasi-two-dimensional layered antiferromagnet $\text{Co}_2\text{V}_2\text{O}_7$. Physical Review Research, 2020, 2, .	1.3	36
21	Band topology, Hubbard model, Heisenberg model, and Dzyaloshinskii-Moriya interaction in twisted bilayer WSe_2 . Physical Review Research, 2020, 2, .	1.3	95
22	Hofstadter butterfly and Floquet topological insulators in minimally twisted bilayer graphene. Physical Review Research, 2020, 2, .	1.3	17
23	Orbital-flop Induced Magnetoresistance Anisotropy in Rare Earth Monopnictide CeSb. Nature Communications, 2019, 10, 2875.	5.8	17
24	Identification of superconducting pairing symmetry in twisted bilayer graphene using in-plane magnetic field and strain. Physical Review B, 2019, 99, .	1.1	35
25	Topological chiral superconductivity with spontaneous vortices and supercurrent in twisted bilayer graphene. Physical Review B, 2019, 99, .	1.1	49
26	Topological Insulators in Twisted Transition Metal Dichalcogenide Homobilayers. Physical Review Letters, 2019, 122, 086402.	2.9	333
27	Phonon-induced giant linear-in- T resistivity in magic angle twisted bilayer graphene: Ordinary strangeness and exotic superconductivity. Physical Review B, 2019, 99, .	1.1	140
28	Evidence for moiré excitons in van der Waals heterostructures. Nature, 2019, 567, 71-75.	13.7	933
29	Theory of optical absorption by interlayer excitons in transition metal dichalcogenide heterobilayers. Physical Review B, 2018, 97, .	1.1	199
30	Theory of Phonon-Mediated Superconductivity in Twisted Bilayer Graphene. Physical Review Letters, 2018, 121, 257001.	2.9	355
31	Ferroelectric quantum Hall phase revealed by visualizing Landau level wavefunction interference. Nature Physics, 2018, 14, 796-800.	6.5	11
32	Hubbard Model Physics in Transition Metal Dichalcogenide Moiré Bands. Physical Review Letters, 2018, 121, 026402.	2.9	413
33	Nematic and chiral superconductivity induced by odd-parity fluctuations. Physical Review B, 2017, 96, .	1.1	30
34	Majorana Kramers pair in a nematic vortex. Physical Review B, 2017, 95, .	1.1	15
35	Topological Exciton Bands in Moiré Heterojunctions. Physical Review Letters, 2017, 118, 147401.	2.9	248
36	Trion valley coherence in monolayer semiconductors. 2D Materials, 2017, 4, 025105.	2.0	34

#	ARTICLE	IF	CITATIONS
37	Trion Valley Coherence in Transition Metal Dichalcogenides. , 2017, , .		0
38	Microscopic theory of equilibrium polariton condensates. Physical Review B, 2016, 94, .	1.1	10
39	Moiré assisted fractional quantum Hall state spectroscopy. Physical Review B, 2016, 94, .	1.1	1
40	Observation of a nematic quantum Hall liquid on the surface of bismuth. Science, 2016, 354, 316-321.	6.0	72
41	Direct measurement of exciton valley coherence in monolayer WSe ₂ . Nature Physics, 2016, 12, 677-682.	6.5	223
42	SU(3) and SU(4) Singlet Quantum Hall States at $\nu = \frac{1}{2}$ and $\nu = \frac{3}{2}$. Physical Review Letters, 2015, 115, 166805.	2.9	8
43	Theory of two-dimensional spatially indirect equilibrium exciton condensates. Physical Review B, 2015, 92, .	1.1	84
44	Exciton band structure of monolayer MoS ₂ . Physical Review B, 2015, 91, .	1.1	246
45	SO(5) symmetry in the quantum Hall effect in graphene. Physical Review B, 2014, 90, .	1.1	39
46	Phase diagram of the toric code model in a parallel magnetic field. Physical Review B, 2012, 85, .	1.1	49
47	Quantum efficiency of intermediate-band solar cells based on non-compensated n-p codoped TiO ₂ . Journal of Chemical Physics, 2012, 137, 104702.	1.2	11