

Mark H Fischer

List of Publications by Year in descending order

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59
papers

4,432
citations

257450

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144013

57
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61
all docs

61
docs citations

61
times ranked

5192
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulating a ring-like Hubbard system with a quantum computer. Physical Review Research, 2022, 4, .	3.6	10
2	Role of topology and symmetry for the edge currents of a two-dimensional superconductor. Physical Review Research, 2022, 4, .	3.6	1
3	Uniaxial pressure induced stripe order rotation in La1.88Sr0.12CuO4. Nature Communications, 2022, 13, 1795.	12.8	12
4	Unveiling Unequivocal Charge Stripe Order in a Prototypical Cuprate Superconductor. Physical Review Letters, 2022, 128, .	7.8	11
5	Magnetotransport of dirty-limit van Hove singularity quasiparticles. Communications Physics, 2021, 4, .	5.3	73
6	Electronic reconstruction forming a C2-symmetric Dirac semimetal in Ca3Ru2O7. Npj Quantum Materials, 2021, 6, .	5.2	11
7	Unusual H - T phase diagram of CeRh_2As_2 : The role of staggered noncentrosymmetry. Physical Review Research, 2021, 3, .	3.6	25
8	Decoupling of lattice and orbital degrees of freedom in an iron-pnictide superconductor. Physical Review Research, 2021, 3, .	3.6	0
9	Flat bands with fragile topology through superlattice engineering on single-layer graphene. Physical Review Research, 2021, 3, .	3.6	7
10	Spin response and topology of a staggered-Rashba superconductor. Physical Review Research, 2021, 3, .	3.6	19
11	Exceptional topological insulators. Nature Communications, 2021, 12, 5681.	12.8	43
12	Nature of Unconventional Pairing in the Kagome Superconductors $A\text{V}_3\text{S}_7$		

#	ARTICLE	IF	CITATIONS
19	Atomic limit and inversion-symmetry indicators for topological superconductors. Physical Review Research, 2020, 2, .	3.6	44
20	Efficient learning of a one-dimensional density functional theory. Physical Review Research, 2020, 2, .	3.6	13
21	Superconducting gap anisotropy and topological singularities due to lattice translational symmetry and their thermodynamic signatures. Physical Review B, 2019, 100, .	3.2	4
22	Deviation from Fermi-liquid transport behavior in the vicinity of a Van Hove singularity. Physical Review B, 2019, 99, .	3.2	14
23	Dynamics of many-body localization in the presence of particle loss. Quantum Science and Technology, 2018, 3, 01LT02.	5.8	21
24	Pressure-induced rotational symmetry breaking in URu_2Si_2 . Physical Review B, 2018, 98, .	3.2	15
25	Statistical periodicity in driven quantum systems: General formalism and application to noisy Floquet topological chains. Physical Review B, 2018, 98, .	3.2	9
26	Superconductivity without Inversion and Time-Reversal Symmetries. Physical Review Letters, 2018, 121, 157003.	7.8	23
27	Particle statistics and lossy dynamics of ultracold atoms in optical lattices. Physical Review A, 2018, 97, .	2.5	4
28	Localization Counteracts Decoherence in Noisy Floquet Topological Chains. Physical Review Letters, 2018, 120, 216801.	7.8	17
29	Topological superconductivity in monolayer transition metal dichalcogenides. Nature Communications, 2017, 8, 14985.	12.8	148
30	Signatures of Many-Body Localization in a Controlled Open Quantum System. Physical Review X, 2017, 7, .	8.9	169
31	Dirac spin-orbit torques and charge pumping at the surface of topological insulators. Physical Review B, 2017, 96, .	3.2	70
32	Creating better superconductors by periodic nanopatterning. SciPost Physics, 2017, 3, .	4.9	6
33	Fluctuation and strain effects in a chiral p -wave superconductor. Physical Review B, 2016, 93, .	3.2	21
34	Dynamics of a Many-Body-Localized System Coupled to a Bath. Physical Review Letters, 2016, 116, 160401.	7.8	105
35	Spin-torque generation in topological insulator based heterostructures. Physical Review B, 2016, 93, .	3.2	54
36	Observation of semilocalized dispersive states in the strongly correlated electron-doped ferromagnet EuO . Physical Review B, 2016, 94, .	3.2	1

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37	Identifying the 'fingerprint' of antiferromagnetic spin fluctuations in iron pnictide superconductors. Nature Physics, 2015, 11, 177-182.	16.7	35
38	Observation of many-body localization of interacting fermions in a quasirandom optical lattice. Science, 2015, 349, 842-845.	12.6	1,222
39	Symmetry and Gap Classification of Non-Symmorphic SrPtAs. Journal of the Physical Society of Japan, 2015, 84, .	1.6	20
40	Nematic and spin-charge orders driven by hole-doping a charge-transfer insulator. New Journal of Physics, 2014, 16, 093057.	2.9	20
41	Superconducting proximity effect in topological metals. Physical Review B, 2014, 90, .	3.2	12
42	Chiral d -wave superconductivity in SrPtAs. Physical Review B, 2014, 89, .	3.2	139
43	Spin-transfer torque generated by a topological insulator. Nature, 2014, 511, 449-451.	27.8	1,134
44	Effects of surface-bulk hybridization in three-dimensional topological metals. Physical Review B, 2014, 89, .	3.2	13
45	Superconductors with Staggered Non-centrosymmetry. Journal of the Physical Society of Japan, 2014, 83, 061014.	1.6	46
46	Evidence for superconductivity with broken time-reversal symmetry in locally noncentrosymmetric SrPtAs. Physical Review B, 2013, 87, .	3.2	166
47	Spin-orbit coupling in $\text{LaAlO}_3/\text{SrTiO}_3$ interfaces: magnetism and orbital ordering. New Journal of Physics, 2013, 15, 023022.	2.9	25
48	Signatures of unconventional pairing in near-vortex electronic structure of LiFeAs. New Journal of Physics, 2013, 15, 053048.	2.9	3
49	Formation of heavy d -electron quasiparticles in $\text{Sr}_3\text{Ru}_2\text{O}_7$. New Journal of Physics, 2013, 15, 063029.	2.9	19
50	Gap symmetry and stability analysis in the multi-orbital Fe-based superconductors. New Journal of Physics, 2013, 15, 073006.	2.9	26
51	Possible pairing symmetries in SrPtAs with a local lack of inversion center. Physical Review B, 2012, 86, .	3.2	67
52	Role of strong spin-orbit coupling in the superconductivity of the hexagonal pnictide SrPtAs. Physical Review B, 2012, 85, .	3.2	64
53	Superconductivity and local noncentrosymmetry in crystal lattices. Physical Review B, 2011, 84, .	3.2	69
54	Mean-field analysis of intra-unit-cell order in the Emery model of the CuO d -wave superconductivity in SrPtAs plane. Physical Review B, 2011, 84, .	3.2	54

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55	Slave-boson mean-field study of the dimensional crossover in Sr_2RuO_4 . Journal of Physics: Conference Series, 2010, 200, 012034.	0.4	3
56	Effect of a staggered spin-orbit coupling on the occurrence of a nematic phase in $\text{Sr}_3\text{Ru}_2\text{O}_7$. Physical Review B, 2010, 81, .	3.2	24
57	Effects of spin-orbit coupling on the metamagnetic transition in $\text{Sr}_3\text{Ru}_2\text{O}_7$. , 2010, , .		0
58	Dimensional crossover in Sr_2RuO_4 within a slave-boson mean-field theory. Europhysics Letters, 2009, 85, 27011.	2.0	0
59	Algorithmic Error Mitigation Scheme for Current Quantum Processors. Quantum - the Open Journal for Quantum Science, 0, 5, 492.	0.0	24