

Gregory A Fiete

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2144218/gregory-a-fiete-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121
papers

3,931
citations

35
h-index

58
g-index

136
ext. papers

4,629
ext. citations

6.3
avg, IF

5.99
L-index

#	Paper	IF	Citations
121	Magnetic Control of Soft Chiral Phonons in PbTe.. <i>Physical Review Letters</i> , 2022 , 128, 075901	7.4	0
120	Magnons and magnetic fluctuations in atomically thin MnBiTe.. <i>Nature Communications</i> , 2022 , 13, 2527	17.4	1
119	Quantum materials out of equilibrium. <i>Physics Today</i> , 2022 , 75, 42-47	0.9	
118	Light-Driven Topological and Magnetic Phase Transitions in Thin Layer Antiferromagnets.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 4152-4158	6.4	2
117	PTCDA Molecular Monolayer on Pb Thin Films: An Unusual π Electron Kondo System and Its Interplay with a Quantum-Confined Superconductor. <i>Physical Review Letters</i> , 2021 , 127, 186805	7.4	2
116	Low-frequency and Moiré Floquet engineering: A review. <i>Annals of Physics</i> , 2021 , 168434	2.5	9
115	Electron-Phonon and Spin-Lattice Coupling in Atomically Thin Layers of MnBiTe. <i>Nano Letters</i> , 2021 , 21, 6139-6145	11.5	5
114	Floquet engineering of topological transitions in a twisted transition metal dichalcogenide homobilayer. <i>Physical Review B</i> , 2021 , 103,	3.3	8
113	Influence of Nanosize Hole Defects and their Geometric Arrangements on the Superfluid Density in Atomically Thin Single Crystals of Indium Superconductor. <i>Physical Review Letters</i> , 2021 , 127, 127003	7.4	1
112	Strongly correlated and topological states in [111] grown transition metal oxide thin films and heterostructures. <i>APL Materials</i> , 2020 , 8, 050904	5.7	10
111	Pure Spin Current and Magnon Chemical Potential in a Nonequilibrium Magnetic Insulator. <i>Physical Review X</i> , 2020 , 10,	9.1	5
110	Effective Floquet Hamiltonians for periodically driven twisted bilayer graphene. <i>Physical Review B</i> , 2020 , 101,	3.3	16
109	Floquet engineering of interlayer couplings: Tuning the magic angle of twisted bilayer graphene at the exit of a waveguide. <i>Physical Review B</i> , 2020 , 101,	3.3	16
108	Discovery of the soft electronic modes of the trimeron order in magnetite. <i>Nature Physics</i> , 2020 , 16, 541-545	15.4	13
107	Effective Floquet Hamiltonian in the low-frequency regime. <i>Physical Review B</i> , 2020 , 101,	3.3	14
106	Floquet engineering of twisted double bilayer graphene. <i>Physical Review Research</i> , 2020 , 2,	3.9	12
105	Resummation of the Holstein-Primakoff expansion and differential equation approach to operator square roots. <i>Physical Review Research</i> , 2020 , 2,	3.9	4

104	Rare earths in a nutshell. <i>Physics Today</i> , 2020 , 73, 66-67	0.9	4
103	Longitudinal spin Seebeck effect in pyrochlore iridates with bulk and interfacial Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , 2020 , 101,	3.3	2
102	Group theory study of the vibrational modes and magnetic order in the topological antiferromagnet MnBi ₂ Te ₄ . <i>Physical Review B</i> , 2020 , 102,	3.3	3
101	Phonon-mediated dimensional crossover in bilayer CrI ₃ . <i>Physical Review B</i> , 2020 , 102,	3.3	11
100	Behavior of superconductivity in a Pb/Ag heterostructure. <i>Physical Review B</i> , 2019 , 100,	3.3	3
99	Flow Equation Approach to Periodically Driven Quantum Systems. <i>Physical Review X</i> , 2019 , 9,	9.1	27
98	New frontiers for the materials genome initiative. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	171
97	Analog of Hamilton-Jacobi theory for the time-evolution operator. <i>Physical Review A</i> , 2019 , 100,	2.6	7
96	Interfacial spin Seebeck effect in noncollinear magnetic systems. <i>Physical Review B</i> , 2019 , 99,	3.3	9
95	Terahertz Faraday and Kerr rotation spectroscopy of Bi _{1-x} Sb _x films in high magnetic fields up to 30 tesla. <i>Physical Review B</i> , 2019 , 100,	3.3	8
94	Momentum-space entanglement after a quench in one-dimensional disordered fermionic systems. <i>Physical Review B</i> , 2019 , 100,	3.3	2
93	Microscopic investigation of Bi _{2-x} Sb _x Te _{3-y} Se _y systems: On the origin of a robust intrinsic topological insulator. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 128, 251-257	3.9	9
92	Mixing of t _{2g} and e _g orbitals in 4d and 5d transition metal oxides. <i>Physical Review B</i> , 2018 , 97,	3.3	34
91	Dynamical recovery of SU(2) symmetry in the mass-quenched Hubbard model. <i>Physical Review B</i> , 2018 , 97,	3.3	1
90	Floquet band structure of a semi-Dirac system. <i>Physical Review B</i> , 2018 , 97,	3.3	18
89	Floquet topological transitions in extended Kane-Mele models with disorder. <i>Physical Review B</i> , 2018 , 98,	3.3	4
88	Floquet Hofstadter butterfly on the kagome and triangular lattices. <i>Physical Review B</i> , 2018 , 98,	3.3	5
87	Magnon thermal Hall effect in kagome antiferromagnets with Dzyaloshinskii-Moriya interactions. <i>Physical Review B</i> , 2018 , 98,	3.3	32

86	Thermal conductivity of local moment models with strong spin-orbit coupling. <i>Physical Review B</i> , 2017 , 95,	3-3	8
85	Quadratic band touching points and flat bands in two-dimensional topological Floquet systems. <i>Physical Review B</i> , 2017 , 95,	3-3	32
84	Spin-selective thermalization plateau in the mass-imbalanced Hubbard model. <i>Physical Review B</i> , 2017 , 96,	3-3	3
83	Topological Magnon Bands and Unconventional Superconductivity in Pyrochlore Iridate Thin Films. <i>Physical Review Letters</i> , 2017 , 118, 177201	7-4	37
82	Floquet states in (LaNiO ₃) ₂ /(LaAlO ₃) _N heterostructures grown along the (111) direction. <i>Physical Review B</i> , 2017 , 95,	3-3	4
81	Thermoelectric transport in double-Weyl semimetals. <i>Physical Review B</i> , 2016 , 93,	3-3	41
80	Universal entanglement spectra in critical spin chains. <i>Physical Review B</i> , 2016 , 94,	3-3	10
79	Disorder effects in correlated topological insulators. <i>Physical Review B</i> , 2016 , 94,	3-3	11
78	Nanoscale nuclear magnetic resonance depth imaging of topological insulators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E3645-50	11-5	15
77	First Principles Prediction of Topological Phases in Thin Films of Pyrochlore Iridates. <i>Scientific Reports</i> , 2015 , 5, 11072	4-9	26
76	Fractionalized topological insulators. <i>Nature Physics</i> , 2015 , 11, 385-388	16-2	66
75	Correlation effects in pyrochlore iridate thin films grown along the [111] direction. <i>Physical Review B</i> , 2015 , 92,	3-3	21
74	Electronic cooling in Weyl and Dirac semimetals. <i>Physical Review B</i> , 2015 , 92,	3-3	33
73	Topological phases in oxide heterostructures with light and heavy transition metal ions (invited). <i>Journal of Applied Physics</i> , 2015 , 117, 172602	2-5	12
72	Cellular dynamical mean-field theory study of an interacting topological honeycomb lattice model at finite temperature. <i>Physical Review B</i> , 2015 , 91,	3-3	19
71	Topological order in a correlated three-dimensional topological insulator. <i>Physical Review Letters</i> , 2014 , 112, 016404	7-4	41
70	Comparative DMFT study of the eg-orbital Hubbard model in thin films. <i>Physical Review B</i> , 2014 , 89,	3-3	4
69	Momentum-space entanglement spectrum of bosons and fermions with interactions. <i>Physical Review Letters</i> , 2014 , 113, 256404	7-4	34

68	Short-ranged interaction effects on Z2 topological phase transitions. <i>Physical Review B</i> , 2014 , 90,	3-3	5
67	Thermoelectric properties of Weyl and Dirac semimetals. <i>Physical Review B</i> , 2014 , 90,	3-3	143
66	Interaction effects on topological phase transitions via numerically exact quantum Monte Carlo calculations. <i>Physical Review B</i> , 2014 , 89,	3-3	33
65	Heterointerface engineered electronic and magnetic phases of NdNiO ₃ thin films. <i>Nature Communications</i> , 2013 , 4, 2714	17.4	136
64	NMR probe of metallic states in nanoscale topological insulators. <i>Physical Review Letters</i> , 2013 , 110, 026602	7-4	40
63	Topological crystalline insulators in transition metal oxides. <i>Physical Review Letters</i> , 2013 , 110, 156403	7-4	80
62	Sum rule violation in self-consistent hybridization expansions. <i>Physical Review B</i> , 2013 , 87,	3-3	15
61	Lattice distortion effects on topological phases in (LaNiO ₃) ₂ /(LaAlO ₃) _N heterostructures grown along the [111] direction. <i>Physical Review B</i> , 2013 , 88,	3-3	41
60	Topological phase transition in a generalized Kane-Mele-Hubbard model: A combined quantum Monte Carlo and Green's function study. <i>Physical Review B</i> , 2013 , 87,	3-3	43
59	Multiorbital effects on thermoelectric properties of strongly correlated materials. <i>Physical Review B</i> , 2013 , 88,	3-3	7
58	Topological insulators and quantum spin liquids. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 845-859	3	23
57	Topological order and semions in a strongly correlated quantum spin Hall insulator. <i>Physical Review Letters</i> , 2012 , 108, 046401	7-4	85
56	Entanglement entropy and spectra of the one-dimensional Kugel-Khomskii model. <i>Physical Review B</i> , 2012 , 86,	3-3	37
55	Electronic structure of (LaNiO ₃) ₂ /(LaAlO ₃) _N heterostructures grown along [111]. <i>Physical Review B</i> , 2012 , 85,	3-3	63
54	Visualization of geometric influences on proximity effects in heterogeneous superconductor thin films. <i>Nature Physics</i> , 2012 , 8, 464-469	16.2	60
53	Exact chiral spin liquids and mean-field perturbations of gamma matrix models on the ruby lattice. <i>New Journal of Physics</i> , 2012 , 14, 115029	2-9	4
52	Unusual magnetic phases in the strong interaction limit of two-dimensional topological band insulators in transition metal oxides. <i>Physical Review B</i> , 2012 , 86,	3-3	30
51	Spatially anisotropic kagome antiferromagnet with Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , 2012 , 85,	3-3	3

50	Topological phases in layered pyrochlore oxide thin films along the [111] direction. <i>Physical Review B</i> , 2012 , 86,	3-3	45
49	Physics. How do you want that insulator?. <i>Science</i> , 2011 , 332, 546-7	33-3	7
48	Doping the Kane-Mele-Hubbard model: A slave-boson approach. <i>Physical Review B</i> , 2011 , 84,	3-3	26
47	Fractionally charged topological point defects on the kagome lattice. <i>Physical Review B</i> , 2011 , 83,	3-3	31
46	Exact chiral spin liquid with stable spin Fermi surface on the kagome lattice. <i>Physical Review B</i> , 2011 , 83,	3-3	30
45	Competing exotic topological insulator phases in transition-metal oxides on the pyrochlore lattice with distortion. <i>Physical Review B</i> , 2011 , 83,	3-3	92
44	Spontaneous quantum Hall states in chirally stacked few-layer graphene systems. <i>Physical Review Letters</i> , 2011 , 106, 156801	7-4	326
43	Spin-incoherent behavior in the ground state of strongly correlated systems. <i>Physical Review Letters</i> , 2011 , 106, 146401	7-4	12
42	Exactly solvable topological chiral spin liquid with random exchange. <i>Physical Review B</i> , 2011 , 84,	3-3	13
41	Non-Fermi-liquid quantum impurity physics from non-Abelian quantum Hall states. <i>Physical Review B</i> , 2011 , 84,	3-3	2
40	Universal quenching of the superconducting state of two-dimensional nanosize Pb-island structures. <i>Physical Review B</i> , 2011 , 84,	3-3	18
39	Topological insulators from complex orbital order in transition-metal oxides heterostructures. <i>Physical Review B</i> , 2011 , 84,	3-3	140
38	Topological insulators and fractional quantum Hall effect on the ruby lattice. <i>Physical Review B</i> , 2011 , 84,	3-3	69
37	Exotic resonant level models in non-Abelian quantum Hall states coupled to quantum dots. <i>Physical Review B</i> , 2010 , 82,	3-3	11
36	Coulomb drag between helical edge states. <i>Physical Review B</i> , 2010 , 82,	3-3	20
35	Visualizing quantum well state perturbations of metallic thin films near stacking fault defects. <i>Physical Review B</i> , 2010 , 81,	3-3	5
34	Spectral properties of a spin-incoherent Luttinger liquid. <i>Physical Review B</i> , 2010 , 81,	3-3	29
33	Physics. Seeing quantum fractals. <i>Science</i> , 2010 , 327, 652-3	33-3	2

32	Topological phases and phase transitions on the square-octagon lattice. <i>Physical Review B</i> , 2010 , 82,	3-3	64
31	Interaction-driven topological insulators on the kagome and the decorated honeycomb lattices. <i>Physical Review B</i> , 2010 , 82,	3-3	124
30	Topological insulators on the decorated honeycomb lattice. <i>Physical Review B</i> , 2010 , 81,	3-3	42
29	Junctions of spin-incoherent Luttinger liquids with ferromagnets and superconductors. <i>Physical Review B</i> , 2009 , 79,	3-3	1
28	Singular responses of spin-incoherent Luttinger liquids. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 193201	1.8	4
27	Tunneling density of states, pair correlation, and Josephson current in spin-incoherent Luttinger-liquid/superconductor hybrid systems. <i>Physical Review B</i> , 2008 , 77,	3-3	4
26	Quantum Hall states at $\mathbb{Z}2k+2$: Analysis of the particle-hole conjugates of the general level- k Read-Rezayi states. <i>Physical Review B</i> , 2008 , 77,	3-3	28
25	Multichannel Kondo models in non-Abelian quantum Hall droplets. <i>Physical Review Letters</i> , 2008 , 101, 176801	7-4	23
24	Colloquium: The spin-incoherent Luttinger liquid. <i>Reviews of Modern Physics</i> , 2007 , 79, 801-820	40.5	102
23	Effective Hamiltonians for some highly frustrated magnets. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 145204	1.8	6
22	Nonequilibrium charge noise and dephasing from a spin-incoherent Luttinger liquid. <i>Physical Review B</i> , 2007 , 75,	3-3	3
21	Degenerate perturbation theory of quantum fluctuations in a pyrochlore antiferromagnet. <i>Physical Review B</i> , 2007 , 75,	3-3	23
20	Universal periods in quantum Hall droplets. <i>Physical Review Letters</i> , 2007 , 99, 166805	7-4	12
19	Fourier transform of the $2kF$ Luttinger liquid density correlation function with different spin and charge velocities. <i>Physical Review B</i> , 2007 , 75,	3-3	23
18	Fermi-edge singularity in a spin-incoherent Luttinger liquid. <i>Physical Review Letters</i> , 2006 , 97, 256403	7-4	13
17	Models of degeneracy breaking in pyrochlore antiferromagnets. <i>Physical Review B</i> , 2006 , 74,	3-3	57
16	Coulomb drag between two spin-incoherent Luttinger liquids. <i>Physical Review B</i> , 2006 , 73,	3-3	47
15	Ordering in a frustrated pyrochlore antiferromagnet proximate to a spin liquid. <i>Physical Review B</i> , 2006 , 73,	3-3	39

14	Quantum effects in a half-polarized pyrochlore antiferromagnet. <i>Physical Review Letters</i> , 2006 , 96, 097207	4	55
13	Theory of momentum resolved tunneling into a short quantum wire. <i>Physical Review B</i> , 2005 , 72,	3-3	42
12	Transport in a spin-incoherent Luttinger liquid. <i>Physical Review B</i> , 2005 , 72,	3-3	28
11	Positional disorder, spin-orbit coupling, and frustration in Ga _{1-x} Mn _x As. <i>Physical Review B</i> , 2005 , 71,	3-3	20
10	Disorder, spin-orbit, and interaction effects in dilute Ga _{1-x} Mn _x As. <i>Physical Review B</i> , 2005 , 72,	3-3	13
9	Disorder-induced local-density-of-states oscillations on narrow Ag(111) terraces. <i>Physical Review B</i> , 2005 , 71,	3-3	12
8	Mean-field magnetization relaxation in conducting ferromagnets. <i>Applied Physics Letters</i> , 2004 , 84, 5234-5236	3-4	67
7	Green's function for magnetically incoherent interacting electrons in one dimension. <i>Physical Review Letters</i> , 2004 , 93, 226401	7-4	67
6	Colloquium: Theory of quantum corrals and quantum mirages. <i>Reviews of Modern Physics</i> , 2003 , 75, 933-948	1-5	181
5	Semiclassical theory of coherence and decoherence. <i>Physical Review A</i> , 2003 , 68,	2-6	49
4	Effective Hamiltonian for Ga _{1-x} Mn _x As in the dilute limit. <i>Physical Review Letters</i> , 2003 , 91, 097202	7-4	36
3	Kondo effect and STM spectra through ferromagnetic nanoclusters. <i>Physical Review B</i> , 2002 , 66,	3-3	26
2	Scattering theory of Kondo mirages and observation of single Kondo atom phase shift. <i>Physical Review Letters</i> , 2001 , 86, 2392-5	7-4	77
1	Evidence of topological boundary modes with topological nodal-point superconductivity. <i>Nature Physics</i> ,	16.2	3