

Daniel E Sheehy

List of Publications by Year in descending order

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27
papers

1,293
citations

687363

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h-index

580821

25
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all docs

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docs citations

27
times ranked

1074
citing authors

#	ARTICLE	IF	CITATIONS
1	Andreev spectroscopy of nonhelical spin textures in topological insulators. <i>Physical Review B</i> , 2022, 105, .	3.2	3
2	Inflationary dynamics and particle production in a toroidal Bose-Einstein condensate. <i>Physical Review A</i> , 2021, 103, .	2.5	6
3	Hartree-Fock-Bogoliubov theory of trapped one-dimensional imbalanced Fermi systems. <i>Physical Review A</i> , 2020, 101, .	2.5	3
4	Renormalization-group approach to the normal phase of two-dimensional Fermi gases. <i>Physical Review A</i> , 2020, 101, .	2.5	0
5	Volkov-Pankratov states in topological superconductors. <i>Physical Review Research</i> , 2020, 2, .	3.6	13
6	Microcanonical analysis of Boltzmann and Gibbs entropies in trapped cold atomic gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 536, 122547.	2.6	1
7	Topological phases of topological-insulator thin films. <i>Physical Review B</i> , 2018, 97, .	3.2	18
8	Proximity-induced superconductivity at nonhelical topological insulator interfaces. <i>Physical Review B</i> , 2018, 98, .	3.2	4
9	Elastic response of the electron fluid in intrinsic graphene: The collisionless regime. <i>Physical Review B</i> , 2018, 98, .	3.2	24
10	Trapped imbalanced fermionic superfluids in one dimension: A variational approach. <i>Physical Review A</i> , 2017, 95, .	2.5	2
11	Interface symmetry and spin control in topological-insulator-semiconductor heterostructures. <i>Physical Review B</i> , 2017, 95, .	3.2	13
12	Universal collisionless transport of graphene. <i>Physical Review B</i> , 2016, 93, .	3.2	44
13	Fulde-Ferrell-Larkin-Ovchinnikov state of two-dimensional imbalanced Fermi gases. <i>Physical Review A</i> , 2015, 92, .	2.5	21
14	Phase diagram of a strongly interacting spin-imbalanced Fermi gas. <i>Physical Review A</i> , 2015, 92, .	2.5	27
15	Pairing correlations in a trapped one-dimensional Fermi gas. <i>Physical Review A</i> , 2015, 91, .	2.5	4
16	Self-consistent Hartree-Fock approach for interacting bosons in optical lattices. <i>Physical Review A</i> , 2014, 90, .	2.5	0
17	Density profiles and collective modes of a Bose-Einstein condensate with light-induced spin-orbit coupling. <i>Physical Review A</i> , 2013, 88, .	2.5	17
18	Induced superfluidity of imbalanced Fermi gases near unitarity. <i>Physical Review A</i> , 2012, 85, .	2.5	3

#	ARTICLE	IF	CITATIONS
19	Response to dynamical modulation of the optical lattice for fermions in the Hubbard model. Physical Review A, 2011, 84, .	2.5	12
20	Oscillatory pairing of fermions in spin-split traps. Physical Review A, 2011, 83, .	2.5	13
21	Imbalanced Feshbach-resonant Fermi gases. Reports on Progress in Physics, 2010, 73, 076501.	20.1	168
22	Optical transparency of graphene as determined by the fine-structure constant. Physical Review B, 2009, 80, .	3.2	176
23	Kondo-lattice screening in ad-wave superconductor. Physical Review B, 2008, 77, .	3.2	3
24	Quantum Critical Scaling in Graphene. Physical Review Letters, 2007, 99, 226803.	7.8	207
25	BEC-BCS crossover, phase transitions and phase separation in polarized resonantly-paired superfluids. Annals of Physics, 2007, 322, 1790-1924.	2.8	196
26	BEC-BCS Crossover in δ -Magnetized Feshbach-Resonantly Paired Superfluids. Physical Review Letters, 2006, 96, 060401.	7.8	298
27	Quantum Decoupling Transition in a One-Dimensional Feshbach-Resonant Superfluid. Physical Review Letters, 2005, 95, 130401.	7.8	17