

# Sam Carr

## List of Publications by Year in descending order

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32  
papers

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citations

759233

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32  
all docs

32  
docs citations

32  
times ranked

470  
citing authors

#	ARTICLE	IF	CITATIONS
1	Local density of states of the interacting resonant level model at zero temperature. Physical Review B, 2022, 105, .	3.2	1
2	Quantum Spin-1/2 Dimers in a Low-Dimensional Tetrabromocuprate Magnet. Chemistry - A European Journal, 2022, 28, .	3.3	2
3	Exact equilibrium results in the interacting resonant level model. Physical Review B, 2019, 99, .	3.2	9
4	Interplay between intrinsic and emergent topological protection on interacting helical modes. Physical Review B, 2019, 99, .	3.2	2
5	Transmission through a potential barrier in Luttinger liquids with a topological spin gap. Physical Review B, 2018, 97, .	3.2	10
6	Interaction induced topological protection in one-dimensional conductors. Fortschritte Der Physik, 2017, 65, 1600054.	4.4	14
7	Phase diagram of two interacting helical states. Physical Review B, 2016, 93, .	3.2	10
8	Emergent topological properties in interacting one-dimensional systems with spin-orbit coupling. Physical Review B, 2015, 92, .	3.2	32
9	Helical quantum Hall edge modes in bilayer graphene: a realization of quantum spin-ladders. Physica Scripta, 2015, T165, 014019.	2.5	5
10	Full counting statistics in the not-so-long-time limit. Physica Scripta, 2015, T165, 014009.	2.5	13
11	Berezinskii-Kosterlitz-Thouless-Type Transitions in $d=2$ Quantum $O(2)$ and $O(2) \tilde{\leftarrow} O(2)$ Nonlinear Sigma Models. , 2014, , .		1
12	Effect of paramagnetic fluctuations on a Fermi-surface topological transition in two dimensions. Physical Review B, 2014, 90, .	3.2	7
13	Transport through nanostructures: Finite time versus finite size. Physical Review B, 2014, 89, .	3.2	9
14	Superfluid-insulator transition of quantum Hall domain walls in bilayer graphene. Physical Review B, 2014, 89, .	3.2	8
15	Conductivity of a generic helical liquid. Physical Review B, 2014, 90, .	3.2	97
16	Spinful fermionic ladders at incommensurate filling: Phase diagram, local perturbations, and ionic potentials. Annals of Physics, 2013, 339, 22-80.	2.8	17
17	Transport via double constrictions in integer and fractional topological insulators. Physical Review B, 2013, 88, .	3.2	10
18	Weak localization and magnetoresistance in a two-leg ladder model. Physical Review B, 2012, 86, .	3.2	2

#	ARTICLE	IF	CITATIONS
19	Unbinding of Giant Vortices in States of Competing Order. Physical Review Letters, 2012, 109, 155703.	7.8	9
20	Effect of a Local Perturbation in a Fermionic Ladder. Physical Review Letters, 2011, 106, 126805.	7.8	10
21	Superfluid, solid, and supersolid phases of dipolar bosons in a quasi-one-dimensional optical lattice. Physical Review A, 2011, 84, .	2.5	12
22	Full Counting Statistics in the Self-Dual Interacting Resonant Level Model. Physical Review Letters, 2011, 107, 206801.	7.8	40
23	Lifshitz transitions and crystallization of fully polarized dipolar fermions in an anisotropic two-dimensional lattice. Physical Review B, 2010, 82, .	3.2	21
24	Metanematic, smectic, and crystalline phases of dipolar fermions in an optical lattice. Physical Review A, 2009, 79, .	2.5	45
25	DECONFINEMENT AND QUANTUM LIQUID CRYSTALLINE STATES OF DIPOLAR FERMIONS IN OPTICAL LATTICES. International Journal of Modern Physics B, 2009, 23, 4074-4086.	2.0	5
26	DECONFINEMENT AND QUANTUM LIQUID CRYSTALLINE STATES OF DIPOLAR FERMIONS IN OPTICAL LATTICES. , 2009, , .		0
27	STRONG CORRELATION EFFECTS IN SINGLE-WALL CARBON NANOTUBES. International Journal of Modern Physics B, 2008, 22, 5235-5260.	2.0	3
28	Interaction induced dimerization in zigzag single wall carbon nanotubes. Physical Review B, 2007, 76, .	3.2	11
29	Spinless fermionic ladders in a magnetic field: Phase diagram. Physical Review B, 2006, 73, .	3.2	61
30	Fractional charge excitations in fermionic ladders. Physical Review B, 2005, 71, .	3.2	30
31	Spectrum and Correlation Functions of a Quasi-One-Dimensional Quantum Ising Model. Physical Review Letters, 2003, 90, 177206.	7.8	23
32	Superconductivity and charge-density waves in a quasi-one-dimensional spin-gap system. Physical Review B, 2002, 65, .	3.2	43