

# Ariel T Sommer

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

3,271  
citations

623734

14  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

2498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport of spin and mass at normal-superfluid interfaces in the unitary Fermi gas. <i>Physical Review Research</i> , 2022, 4, .	3.6	3
2	Theory of interacting cavity Rydberg polaritons. <i>Quantum Science and Technology</i> , 2019, 4, 014005.	5.8	9
3	Photons and polaritons in a broken-time-reversal nonplanar resonator. <i>Physical Review A</i> , 2018, 97, .	2.5	9
4	A strongly interacting polaritonic quantum dot. <i>Nature Physics</i> , 2018, 14, 550-554.	16.7	56
5	Long-Lived Ultracold Molecules with Electric and Magnetic Dipole Moments. <i>Physical Review Letters</i> , 2017, 119, 143001.	7.8	157
6	Observation and characterization of cavity Rydberg polaritons. <i>Physical Review A</i> , 2016, 93, .	2.5	51
7	Engineering photonic Floquet Hamiltonians through Fabry-Pérot resonators. <i>New Journal of Physics</i> , 2016, 18, 035008.	2.9	22
8	Synthetic Landau levels for photons. <i>Nature</i> , 2016, 534, 671-675.	27.8	152
9	Time- and Site-Resolved Dynamics in a Topological Circuit. <i>Physical Review X</i> , 2015, 5, .	8.9	199
10	Heavy solitons in a fermionic superfluid. <i>Nature</i> , 2013, 499, 426-430.	27.8	142
11	Evolution of Fermion Pairing from Three to Two Dimensions. <i>Physical Review Letters</i> , 2012, 108, 045302.	7.8	166
12	Spin-Injection Spectroscopy of a Spin-Orbit Coupled Fermi Gas. <i>Physical Review Letters</i> , 2012, 109, 095302.	7.8	798
13	Feynman diagrams versus Fermi-gas Feynman emulator. <i>Nature Physics</i> , 2012, 8, 366-370.	16.7	175
14	Revealing the Superfluid Lambda Transition in the Universal Thermodynamics of a Unitary Fermi Gas. <i>Science</i> , 2012, 335, 563-567.	12.6	554
15	Universal spin transport in a strongly interacting Fermi gas. <i>Nature</i> , 2011, 472, 201-204.	27.8	237
16	Spin transport in polaronic and superfluid Fermi gases. <i>New Journal of Physics</i> , 2011, 13, 055009.	2.9	51
17	Observation of Fermi Polarons in a Tunable Fermi Liquid of Ultracold Atoms. <i>Physical Review Letters</i> , 2009, 102, 230402.	7.8	486
18	Inducing Transparency with a Magnetic Field. <i>Physics Magazine</i> , 0, 10, .	0.1	4