

# Lawrence W Cheuk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6381512/publications.pdf>

Version: 2024-02-01

16  
papers

3,112  
citations

623734

14  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

2365  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-Injection Spectroscopy of a Spin-Orbit Coupled Fermi Gas. Physical Review Letters, 2012, 109, 095302.	7.8	798
2	Revealing the Superfluid Lambda Transition in the Universal Thermodynamics of a Unitary Fermi Gas. Science, 2012, 335, 563-567.	12.6	554
3	Quantum-Gas Microscope for Fermionic Atoms. Physical Review Letters, 2015, 114, 193001.	7.8	285
4	Observation of spatial charge and spin correlations in the 2D Fermi-Hubbard model. Science, 2016, 353, 1260-1264.	12.6	254
5	An optical tweezer array of ultracold molecules. Science, 2019, 365, 1156-1158.	12.6	200
6	Laser cooling of optically trapped molecules. Nature Physics, 2018, 14, 890-893.	16.7	172
7	Evolution of Fermion Pairing from Three to Two Dimensions. Physical Review Letters, 2012, 108, 045302.	7.8	166
8	Heavy solitons in a fermionic superfluid. Nature, 2013, 499, 426-430.	27.8	142
9	Motion of a Solitonic Vortex in the BEC-BCS Crossover. Physical Review Letters, 2014, 113, 065301.	7.8	119
10	Spin transport in a Mott insulator of ultracold fermions. Science, 2019, 363, 383-387.	12.6	106
11	$\hat{I}$ -Enhanced Imaging of Molecules in an Optical Trap. Physical Review Letters, 2018, 121, 083201.	7.8	93
12	Observation of 2D Fermionic Mott Insulators of $K$ with Single-Site Resolution. Physical Review Letters, 2016, 116, 235301.	7.8	77
13	Observation of Collisions between Two Ultracold Ground-State CaF Molecules. Physical Review Letters, 2020, 125, 043401.	7.8	65
14	A scalable quantum computing platform using symmetric-top molecules. New Journal of Physics, 2019, 21, 093049.	2.9	62
15	Molecular Laser Cooling in a Dynamically Tunable Repulsive Optical Trap. Physical Review Letters, 2022, 128, .	7.8	13
16	Synthesizing optical spectra using computer-generated holography techniques. New Journal of Physics, 2021, 23, 033028.	2.9	6