

# Frank Schlawin

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,476  
citations

361413

20  
h-index

315739

38  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear optical signals and spectroscopy with quantum light. <i>Reviews of Modern Physics</i> , 2016, 88, .	45.6	234
2	Cavity-Mediated Electron-Photon Superconductivity. <i>Physical Review Letters</i> , 2019, 122, 133602.	7.8	149
3	Roadmap on quantum light spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 072002.	1.5	101
4	Entangled Two-Photon Absorption Spectroscopy. <i>Accounts of Chemical Research</i> , 2018, 51, 2207-2214.	15.6	88
5	Evidence for metastable photo-induced superconductivity in K3C60. <i>Nature Physics</i> , 2021, 17, 611-618.	16.7	80
6	Suppression of population transport and control of exciton distributions by entangled photons. <i>Nature Communications</i> , 2013, 4, 1782.	12.8	78
7	Cavity quantum materials. <i>Applied Physics Reviews</i> , 2022, 9, .	11.3	65
8	Photomolecular High-Temperature Superconductivity. <i>Physical Review X</i> , 2020, 10, .	8.9	59
9	Entangled photon spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 203001.	1.5	53
10	Manipulating quantum materials with quantum light. <i>Physical Review B</i> , 2019, 99, .	3.2	46
11	Photoinduced Electron Pairing in a Driven Cavity. <i>Physical Review Letters</i> , 2020, 125, 053602.	7.8	37
12	Stimulated Raman Spectroscopy with Entangled Light: Enhanced Resolution and Pathway Selection. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2843-2849.	4.6	36
13	Manipulation of two-photon-induced fluorescence spectra of chromophore aggregates with entangled photons: A simulation study. <i>Physical Review A</i> , 2012, 86, .	2.5	34
14	Pump-probe spectroscopy using quantum light with two-photon coincidence detection. <i>Physical Review A</i> , 2016, 93, .	2.5	33
15	Theory of coherent control with quantum light. <i>New Journal of Physics</i> , 2017, 19, 013009.	2.9	32
16	Quantum Transport on Disordered and Noisy Networks: An Interplay of Structural Complexity and Uncertainty. <i>Annual Review of Condensed Matter Physics</i> , 2016, 7, 223-248.	14.5	30
17	Dynamical Order and Superconductivity in a Frustrated Many-Body System. <i>Physical Review Letters</i> , 2020, 125, 137001.	7.8	29
18	Cavity-Mediated Unconventional Pairing in Ultracold Fermionic Atoms. <i>Physical Review Letters</i> , 2019, 123, 133601.	7.8	27

#	ARTICLE	IF	CITATIONS
19	Two-photon spectroscopy of excitons with entangled photons. <i>Journal of Chemical Physics</i> , 2013, 139, 244110.	3.0	24
20	Photon Correlation Spectroscopy as a Witness for Quantum Coherence. <i>Physical Review Letters</i> , 2020, 124, 203601.	7.8	23
21	Nonlinear spectroscopy of controllable many-body quantum systems. <i>New Journal of Physics</i> , 2014, 16, 092001.	2.9	21
22	Coherence turned on by incoherent light. <i>New Journal of Physics</i> , 2018, 20, 113040.	2.9	19
23	Mott polaritons in cavity-coupled quantum materials. <i>New Journal of Physics</i> , 2019, 21, 073066.	2.9	19
24	Photon statistics of intense entangled photon pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 175502.	1.5	14
25	Nonlinear spectroscopy of trapped ions. <i>Physical Review A</i> , 2014, 90, .	2.5	14
26	Terahertz field control of interlayer transport modes in cuprate superconductors. <i>Physical Review B</i> , 2017, 96, .	3.2	13
27	Quantum metrology of two-photon absorption. <i>Physical Review Research</i> , 2021, 3, .	3.6	13
28	Bunching and anti-bunching of localised particles in disordered media. <i>Europhysics Letters</i> , 2012, 99, 14001.	2.0	12
29	Multidimensional four-wave mixing signals detected by quantum squeezed light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	11
30	Multidimensional four-wave-mixing spectroscopy with squeezed light. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	10
31	Higgs mode stabilization by photoinduced long-range interactions in a superconductor. <i>Physical Review B</i> , 2021, 104, .	3.2	10
32	Analytical solution for the steady states of the driven Hubbard model. <i>Physical Review B</i> , 2021, 103, .	3.2	9
33	How to optimize the absorption of two entangled photons. <i>SciPost Physics Core</i> , 2021, 4, .	2.8	7
34	Optimization of selective two-photon absorption in cavity polaritons. <i>Journal of Chemical Physics</i> , 2021, 154, 214114.	3.0	6
35	Lieb's Theorem and Maximum Entropy Condensates. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 5, 610.	0.0	6
36	Matter correlations induced by coupling to quantum light. <i>Physical Review A</i> , 2014, 89, .	2.5	5

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37	Probing polariton dynamics in trapped ions with phase-coherent two-dimensional spectroscopy. Journal of Chemical Physics, 2015, 142, 212439.	3.0	5
38	Continuously Parametrized Quantum Simulation of Molecular Electron-Transfer Reactions. PRX Quantum, 2021, 2, .	9.2	5
39	Detection of photon statistics and multimode field correlations by Raman processes. Journal of Chemical Physics, 2021, 154, 104116.	3.0	4
40	Direct detection of odd-frequency superconductivity via time- and angle-resolved photoelectron fluctuation spectroscopy. Physical Review Research, 2021, 3, .	3.6	4
41	Polarization-Entangled Two-Photon Absorption in Inhomogeneously Broadened Ensembles. Frontiers in Physics, 2022, 10, .	2.1	3
42	Quantum-Enhanced Nonlinear Spectroscopy. Springer Theses, 2017, , .	0.1	1
43	Optical control of the current-voltage relation in stacked superconductors. Physical Review B, 2019, 100, .	3.2	1
44	Nonlinear spectroscopy of chromophore aggregates with entangled photon pulses. EPJ Web of Conferences, 2013, 41, 12006.	0.3	0
45	Excited State Distributions and Fluorescence Signals. Springer Theses, 2017, , 93-142.	0.1	0
46	Pump-Probe Measurements with Entangled Photons. Springer Theses, 2017, , 143-165.	0.1	0
47	Interferometric Setups. Springer Theses, 2017, , 167-189.	0.1	0
48	Trapped Ion Spectroscopy. Springer Theses, 2017, , 205-232.	0.1	0
49	Multidimensional spectroscopy with entangled light; A novel pulse scanning protocol. , 2014, , .		0
50	The role of quantum correlations in entangled two-photon absorption. , 2020, , .		0