

# Julian Struck

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9873308/publications.pdf>

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13  
papers

2,503  
citations

840776

11  
h-index

1125743

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g-index

13  
all docs

13  
docs citations

13  
times ranked

1974  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Simulation of Frustrated Classical Magnetism in Triangular Optical Lattices. <i>Science</i> , 2011, 333, 996-999.	12.6	543
2	Tunable Gauge Potential for Neutral and Spinless Particles in Driven Optical Lattices. <i>Physical Review Letters</i> , 2012, 108, 225304.	7.8	523
3	Non-Abelian Gauge Fields and Topological Insulators in Shaken Optical Lattices. <i>Physical Review Letters</i> , 2012, 109, 145301.	7.8	287
4	Engineering Ising-XY spin-models in a triangular lattice using tunable artificial gauge fields. <i>Nature Physics</i> , 2013, 9, 738-743.	16.7	286
5	Multi-component quantum gases in spin-dependent hexagonal lattices. <i>Nature Physics</i> , 2011, 7, 434-440.	16.7	275
6	Homogeneous Atomic Fermi Gases. <i>Physical Review Letters</i> , 2017, 118, 123401.	7.8	188
7	Quantum phase transition to unconventional multi-orbital superfluidity in optical lattices. <i>Nature Physics</i> , 2012, 8, 71-75.	16.7	144
8	Boiling a Unitary Fermi Liquid. <i>Physical Review Letters</i> , 2019, 122, 093401.	7.8	90
9	Spectral Response and Contact of the Unitary Fermi Gas. <i>Physical Review Letters</i> , 2019, 122, 203402.	7.8	61
10	Spin-orbit coupling in periodically driven optical lattices. <i>Physical Review A</i> , 2014, 90, .	2.5	54
11	Universal sound diffusion in a strongly interacting Fermi gas. <i>Science</i> , 2020, 370, 1222-1226.	12.6	46
12	<i>In Situ</i> Thermometry of Fermionic Cold-Atom Quantum Wires. <i>Physical Review Letters</i> , 2021, 127, 113602.	7.8	5
13	Tunable gauge potential for spinless particles in driven lattices. <i>EPJ Web of Conferences</i> , 2013, 57, 01004.	0.3	1