

# Adrian Kantian

## List of Publications by Year in descending order

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26  
papers

3,217  
citations

516561

16  
h-index

580701

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolayer CrCl <sub>3</sub> as an Ideal Test Bed for the Universality Classes of 2D Magnetism. Physical Review Letters, 2021, 127, 037204.	2.9	23
2	Dimensional crossover and phase transitions in coupled chains: Density matrix renormalization group results. Physical Review B, 2020, 102, .	1.1	7
3	Dynamics of a mobile impurity in a two-leg bosonic ladder. Physical Review A, 2019, 100, .	1.0	11
4	Understanding repulsively mediated superconductivity of correlated electrons via massively parallel density matrix renormalization group. Physical Review B, 2019, 100, .	1.1	16
5	Dynamical Disentangling and Cooling of Atoms in Bilayer Optical Lattices. Physical Review Letters, 2018, 120, 060401.	2.9	19
6	True Bilayer Exciton Condensate of One-Dimensional Electrons. Physical Review Letters, 2017, 119, 037601.	2.9	4
7	Lattice-Assisted Spectroscopy: A Generalized Scanning Tunneling Microscope for Ultracold Atoms. Physical Review Letters, 2015, 115, 165301.	2.9	13
8	Minimizing nonadiabaticities in optical-lattice loading. Physical Review A, 2015, 91, .	1.0	14
9	Matrix product state applications for the ALPS project. Computer Physics Communications, 2014, 185, 3430-3440.	3.0	76
10	Competing Regimes of Motion of 1D Mobile Impurities. Physical Review Letters, 2014, 113, 070601.	2.9	25
11	Dynamics of an impurity in a one-dimensional lattice. New Journal of Physics, 2013, 15, 045018.	1.2	34
12	Quantum dynamics of a mobile spin impurity. Nature Physics, 2013, 9, 235-241.	6.5	418
13	Probing Real-Space and Time-Resolved Correlation Functions with Many-Body Ramsey Interferometry. Physical Review Letters, 2013, 111, 147205.	2.9	104
14	Quantum dynamics of a single, mobile spin impurity. , 2013, , .		0
15	Quantum dynamics of impurities in a one-dimensional Bose gas. Physical Review A, 2012, 85, .	1.0	270
16	$\hat{\Gamma}$ -Condensate of Fermionic Atom Pairs via Adiabatic State Preparation. Physical Review Letters, 2010, 104, 240406.	2.9	18
17	Atomic Color Superfluid via Three-Body Loss. Physical Review Letters, 2009, 103, 240401.	2.9	55
18	Quantum states and phases in driven open quantum systems with cold atoms. Nature Physics, 2008, 4, 878-883.	6.5	911

#	ARTICLE	IF	CITATIONS
19	Preparation of entangled states by quantum Markov processes. <i>Physical Review A</i> , 2008, 78, .	1.0	540
20	Physical replicas and the Bose glass in cold atomic gases. <i>New Journal of Physics</i> , 2008, 10, 073032.	1.2	20
21	Atomic lattice excitons: from condensates to crystals. <i>New Journal of Physics</i> , 2007, 9, 407-407.	1.2	10
22	Repulsively Bound Atom Pairs: Overview, Simulations and Links. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	1
23	Repulsively bound atom pairs in an optical lattice. <i>Nature</i> , 2006, 441, 853-856.	13.7	491
24	Strongly correlated Fermi-Bose mixtures in disordered optical lattices. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, S121-S134.	0.6	8
25	Disordered ultracold atomic gases in optical lattices: A case study of Fermi-Bose mixtures. <i>Physical Review A</i> , 2005, 72, .	1.0	56
26	Atomic Fermi-Bose Mixtures in Inhomogeneous and Random Lattices: From Fermi Glass to Quantum Spin Glass and Quantum Percolation. <i>Physical Review Letters</i> , 2004, 93, 040401.	2.9	73