

# Ming Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7577142/publications.pdf>

Version: 2024-02-01

24  
papers

380  
citations

840776

11  
h-index

794594

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g-index

24  
all docs

24  
docs citations

24  
times ranked

441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient arbitrary simultaneously entangling gates on a trapped-ion quantum computer. Nature Communications, 2020, 11, 2963.	12.8	53
2	Extending Rotational Coherence of Interacting Polar Molecules in a Spin-Decoupled Magic Trap. Physical Review Letters, 2018, 121, 253401.	7.8	50
3	$-Wave\ Three-Body\ Recombination\ within\ Fermi-Fermi\ Mixtures\ of\ Open-Shell$	8.9	33
4	Photoassociative production of ultracold heteronuclear $Li^{+}YbLi$ molecular ions. Physical Review A, 2016, 94, .	2.5	17
5	Efficient Stabilized Two-Qubit Gates on a Trapped-Ion Quantum Computer. Physical Review Letters, 2021, 126, 220503.	7.8	20
6	Quantum-defect theory of resonant charge exchange. Physical Review A, 2012, 86, .	2.5	18
7	Emulating optical cycling centers in polyatomic molecules. Communications Physics, 2019, 2, .	5.3	18
8	Tune-Out and Magic Wavelengths for Ground-State $Na^{+}K$ molecular ions. Physical Review Letters, 2021, 127, 015301.	7.8	18
9	Realizing Hopf Insulators in Dipolar Spin Systems. Physical Review Letters, 2021, 127, 015301.	7.8	18
10	Multichannel quantum-defect theory for ion-atom interactions. Physical Review A, 2014, 89, .	2.5	17
11	Floquet engineering ultracold polar molecules to simulate topological insulators. Physical Review A, 2021, 103, .	2.5	13
12	Resource-Optimized Fermionic Local-Hamiltonian Simulation on a Quantum Computer for Quantum Chemistry. Quantum - the Open Journal for Quantum Science, 0, 5, 509.	0.0	12
13	Two-photon photoassociation spectroscopy of the $Li^{+}YbLi$ molecular ground state. Physical Review A, 2019, 89, .	2.5	11
14	Universal Scattering of Ultracold Atoms and Molecules in Optical Potentials. Atoms, 2019, 7, 36.	1.6	9
15	Excitation-assisted nonadiabatic charge-transfer reaction in a mixed atom-ion system. Physical Review A, 2019, 99, .	2.5	9
16	Engineering Excited-State Interactions at Ultracold Temperatures. Physical Review Letters, 2019, 122, 233401.	7.8	8
17	Proton-hydrogen collisions at low temperatures. Physical Review A, 2015, 91, .	2.5	7
18	Pendular trapping conditions for ultracold polar molecules enforced by external electric fields. Physical Review A, 2017, 95, .	2.5	7

#	ARTICLE	IF	CITATIONS
19	Fractal universality in near-threshold magnetic lanthanide dimers. <i>Science Advances</i> , 2018, 4, eaap8308.	10.3	7
20	Photon-mediated charge exchange reactions between $^{39}\text{K}$ atoms and $^{40}\text{Ca}^+$ ions in a hybrid trap. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 10870-10881.	2.8	7
21	Relativistic aspects of orbital and magnetic anisotropies in the chemical bonding and structure of lanthanide molecules. <i>New Journal of Physics</i> , 2021, 23, 085007.	2.9	7
22	Orbital quantum magnetism in spin dynamics of strongly interacting magnetic lanthanide atoms. <i>Physical Review A</i> , 2018, 97, .	2.5	6
23	Generalized Hamiltonian to describe imperfections in ion-light interaction. <i>Physical Review A</i> , 2020, 102, .	2.5	4
24	Effects of conical intersections on hyperfine quenching of hydroxyl OH in collision with an ultracold Sr atom. <i>Scientific Reports</i> , 2020, 10, 14130.	3.3	1