

# Maciej Lewenstein

## List of Publications by Citations

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652  
papers

40,262  
citations

99  
h-index

183  
g-index

729  
ext. papers

45,169  
ext. citations

4.7  
avg, IF

7.46  
L-index

#	Paper	IF	Citations
652	Theory of high-harmonic generation by low-frequency laser fields. <i>Physical Review A</i> , <b>1994</b> , 49, 2117-2132	32.6	2845
651	Ultracold atomic gases in optical lattices: mimicking condensed matter physics and beyond. <i>Advances in Physics</i> , <b>2007</b> , 56, 243-379	18.4	1495
650	Dark Solitons in Bose-Einstein Condensates. <i>Physical Review Letters</i> , <b>1999</b> , 83, 5198-5201	7.4	1121
649	The physics of dipolar bosonic quantum gases. <i>Reports on Progress in Physics</i> , <b>2009</b> , 72, 126401	14.4	1030
648	Volume of the set of separable states. <i>Physical Review A</i> , <b>1998</b> , 58, 883-892	2.6	895
647	Quantum Games and Quantum Strategies. <i>Physical Review Letters</i> , <b>1999</b> , 83, 3077-3080	7.4	587
646	Ultracold Atoms in Optical Lattices <b>2012</b> ,		566
645	Quantum optics of dielectric media. <i>Physical Review A</i> , <b>1991</b> , 43, 467-491	2.6	534
644	Feynman's path-integral approach for intense-laser-atom interactions. <i>Science</i> , <b>2001</b> , 292, 902-5	33.3	533
643	Attosecond Pulse Trains Using High-Order Harmonics. <i>Physical Review Letters</i> , <b>1996</b> , 77, 1234-1237	7.4	532
642	Bose-einstein condensation in trapped dipolar gases. <i>Physical Review Letters</i> , <b>2000</b> , 85, 1791-4	7.4	506
641	Optimization of entanglement witnesses. <i>Physical Review A</i> , <b>2000</b> , 62,	2.6	480
640	Quantum simulation of frustrated classical magnetism in triangular optical lattices. <i>Science</i> , <b>2011</b> , 333, 996-9	33.3	468
639	Tunable gauge potential for neutral and spinless particles in driven optical lattices. <i>Physical Review Letters</i> , <b>2012</b> , 108, 225304	7.4	461
638	Quantum phases of dipolar bosons in optical lattices. <i>Physical Review Letters</i> , <b>2002</b> , 88, 170406	7.4	456
637	Phase of the atomic polarization in high-order harmonic generation. <i>Physical Review A</i> , <b>1995</b> , 52, 4747-4754	7.4	401
636	Roton-maxon spectrum and stability of trapped dipolar Bose-Einstein condensates. <i>Physical Review Letters</i> , <b>2003</b> , 90, 250403	7.4	389

635	Classification of mixed three-qubit states. <i>Physical Review Letters</i> , <b>2001</b> , 87, 040401	7.4	385
634	Coherence control of high-order harmonics. <i>Physical Review Letters</i> , <b>1995</b> , 74, 3776-3779	7.4	375
633	Synthetic gauge fields in synthetic dimensions. <i>Physical Review Letters</i> , <b>2014</b> , 112, 043001	7.4	341
632	Cold atoms in non-Abelian gauge potentials: from the Hofstadter "moth" to lattice gauge theory. <i>Physical Review Letters</i> , <b>2005</b> , 95, 010403	7.4	341
631	Quantum superposition states of Bose-Einstein condensates. <i>Physical Review A</i> , <b>1998</b> , 57, 1208-1218	2.6	331
630	Low Energy Excitations of a Bose-Einstein Condensate: A Time-Dependent Variational Analysis. <i>Physical Review Letters</i> , <b>1996</b> , 77, 5320-5323	7.4	310
629	Experimental detection of multipartite entanglement using witness operators. <i>Physical Review Letters</i> , <b>2004</b> , 92, 087902	7.4	306
628	Artificial honeycomb lattices for electrons, atoms and photons. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 625-33	28.7	297
627	Quantum correlations in two-fermion systems. <i>Physical Review A</i> , <b>2001</b> , 64,	2.6	293
626	Dynamics of Bose-Einstein condensates: Variational solutions of the Gross-Pitaevskii equations. <i>Physical Review A</i> , <b>1997</b> , 56, 1424-1432	2.6	282
625	Quantum Phase Diffusion of a Bose-Einstein Condensate. <i>Physical Review Letters</i> , <b>1996</b> , 77, 3489-3493	7.4	275
624	Disordered quantum gases under control. <i>Nature Physics</i> , <b>2010</b> , 6, 87-95	16.2	269
623	Generalized phase-matching conditions for high harmonics: The role of field-gradient forces. <i>Physical Review A</i> , <b>1997</b> , 55, 3204-3210	2.6	259
622	Study of The Spatial and Temporal Coherence of High-Order Harmonics. <i>Advances in Atomic, Molecular and Optical Physics</i> , <b>1999</b> , 41, 83-142	1.7	258
621	Quantum Correlations in Systems of Indistinguishable Particles. <i>Annals of Physics</i> , <b>2002</b> , 299, 88-127	2.5	254
620	Atomic Bose and Anderson glasses in optical lattices. <i>Physical Review Letters</i> , <b>2003</b> , 91, 080403	7.4	254
619	Realistic time-reversal invariant topological insulators with neutral atoms. <i>Physical Review Letters</i> , <b>2010</b> , 105, 255302	7.4	249
618	Non-abelian gauge fields and topological insulators in shaken optical lattices. <i>Physical Review Letters</i> , <b>2012</b> , 109, 145301	7.4	248

617	Engineering Ising-XY spin-models in a triangular lattice using tunable artificial gauge fields. <i>Nature Physics</i> , <b>2013</b> , 9, 738-743	16.2	246
616	Multi-component quantum gases in spin-dependent hexagonal lattices. <i>Nature Physics</i> , <b>2011</b> , 7, 434-440	16.2	232
615	Quantum information processing and communication. <i>European Physical Journal D</i> , <b>2005</b> , 36, 203-228	1.3	228
614	Observation of phase fluctuations in elongated Bose-Einstein condensates. <i>Physical Review Letters</i> , <b>2001</b> , 87, 160406	7.4	227
613	Rings in above-threshold ionization: A quasiclassical analysis. <i>Physical Review A</i> , <b>1995</b> , 51, 1495-1507	2.6	222
612	Atomic Bose-Fermi mixtures in an optical lattice. <i>Physical Review Letters</i> , <b>2004</b> , 92, 050401	7.4	214
611	Attosecond physics at the nanoscale. <i>Reports on Progress in Physics</i> , <b>2017</b> , 80, 054401	14.4	201
610	Quantum phases of cold polar molecules in 2D optical lattices. <i>Physical Review Letters</i> , <b>2010</b> , 104, 125301	7.4	200
609	Routes towards Anderson-like localization of Bose-Einstein condensates in disordered optical lattices. <i>Physical Review Letters</i> , <b>2005</b> , 95, 170411	7.4	200
608	Dynamics of dark solitons in elongated Bose-Einstein condensates. <i>Physical Review Letters</i> , <b>2002</b> , 89, 110401	7.4	200
607	Entanglement as a precondition for secure quantum key distribution. <i>Physical Review Letters</i> , <b>2004</b> , 92, 217903	7.4	199
606	Trace-distance measure of coherence. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	192
605	Non-standard Hubbard models in optical lattices: a review. <i>Reports on Progress in Physics</i> , <b>2015</b> , 78, 066001	14.4	191
604	The quantum technologies roadmap: a European community view. <i>New Journal of Physics</i> , <b>2018</b> , 20, 080201	7.4	188
603	Creation of Dark Solitons and Vortices in Bose-Einstein Condensates. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2972-2975	7.4	183
602	Entangling operations and their implementation using a small amount of entanglement. <i>Physical Review Letters</i> , <b>2001</b> , 86, 544-7	7.4	181
601	Detection of entanglement with few local measurements. <i>Physical Review A</i> , <b>2002</b> , 66,	2.6	180
600	Assisted Distillation of Quantum Coherence. <i>Physical Review Letters</i> , <b>2016</b> , 116, 070402	7.4	174

599	Atomic quantum gases in Kagomel lattices. <i>Physical Review Letters</i> , <b>2004</b> , 93, 030601	7.4	172
598	Can one trust quantum simulators?. <i>Reports on Progress in Physics</i> , <b>2012</b> , 75, 082401	14.4	171
597	Optical generation of vortices in trapped Bose-Einstein condensates. <i>Physical Review A</i> , <b>1999</b> , 60, R3381-R3384	2.6	171
596	High-order Harmonic-generation cutoff. <i>Physical Review A</i> , <b>1993</b> , 48, R3433-R3436	2.6	167
595	Quantum simulation of an extra dimension. <i>Physical Review Letters</i> , <b>2012</b> , 108, 133001	7.4	163
594	Separability and Entanglement of Composite Quantum Systems. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2261-2264	2.6	162
593	Theory of high-order harmonic generation by an elliptically polarized laser field. <i>Physical Review A</i> , <b>1996</b> , 53, 1725-1745	2.6	159
592	Non-Abelian optical lattices: anomalous quantum Hall effect and Dirac fermions. <i>Physical Review Letters</i> , <b>2009</b> , 103, 035301	7.4	153
591	Separability properties of three-mode Gaussian states. <i>Physical Review A</i> , <b>2001</b> , 64,	2.6	150
590	Detection of Zak phases and topological invariants in a chiral quantum walk of twisted photons. <i>Nature Communications</i> , <b>2017</b> , 8, 15516	17.4	148
589	Schmidt-number witnesses and bound entanglement. <i>Physical Review A</i> , <b>2001</b> , 63,	2.6	145
588	Spin squeezing inequalities and entanglement of N qubit states. <i>Physical Review Letters</i> , <b>2005</b> , 95, 120502	7.4	144
587	Distillability and partial transposition in bipartite systems. <i>Physical Review A</i> , <b>2000</b> , 61,	2.6	142
586	Statistical mechanics of social impact. <i>Physical Review A</i> , <b>1992</b> , 45, 763-776	2.6	139
585	Creation of a dipolar superfluid in optical lattices. <i>Physical Review Letters</i> , <b>2003</b> , 90, 110401	7.4	136
584	Optical Abelian lattice gauge theories. <i>Annals of Physics</i> , <b>2013</b> , 330, 160-191	2.5	135
583	Entanglement percolation in quantum networks. <i>Nature Physics</i> , <b>2007</b> , 3, 256-259	16.2	133
582	Entanglement criteria for all bipartite Gaussian states. <i>Physical Review Letters</i> , <b>2001</b> , 87, 167904	7.4	132

- 581 Quantum non-demolition detection of strongly correlated systems. *Nature Physics*, **2008**, 4, 50-54 16.2 131
- 580 Entanglement entropy for the long-range Ising chain in a transverse field. *Physical Review Letters*, **2012**, 109, 267203 7.4 129
- 579 Mott-insulator States of ultracold atoms in optical resonators. *Physical Review Letters*, **2008**, 100, 050401 7.4 127
- 578 Direct imaging of topological edge states in cold-atom systems. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 6736-41 11.5 125
- 577 Characterization of separable states and entanglement witnesses. *Physical Review A*, **2001**, 63, 2.6 123
- 576 Nonergodic subdiffusion from Brownian motion in an inhomogeneous medium. *Physical Review Letters*, **2014**, 112, 150603 7.4 121
- 575 Separability in 2N composite quantum systems. *Physical Review A*, **2000**, 61, 2.6 121
- 574 Simulation of non-Abelian gauge theories with optical lattices. *Nature Communications*, **2013**, 4, 2615 17.4 120
- 573 Wilson fermions and axion electrodynamics in optical lattices. *Physical Review Letters*, **2010**, 105, 190404 7.4 120
- 572 Dynamical suppression of spontaneous emission. *Physical Review Letters*, **1987**, 59, 775-778 7.4 120
- 571 Enhancement of high harmonic generation by confining electron motion in plasmonic nanostructures. *Optics Express*, **2012**, 20, 26261-74 3.3 118
- 570 Frustrated quantum antiferromagnetism with ultracold bosons in a triangular lattice. *Europhysics Letters*, **2010**, 89, 10010 1.6 118
- 569 Inhibition of Coherence in Trapped Bose-Einstein Condensates. *Physical Review Letters*, **1997**, 78, 2511-2514 7.4 118
- 568 High-order-harmonic generation from inhomogeneous fields. *Physical Review A*, **2012**, 85, 2.6 117
- 567 Stabilization of atoms in superintense laser fields: Is it real?. *Physical Review Letters*, **1991**, 66, 1038-1041 7.4 116
- 566 A unified theory of high-harmonic generation: Application to polarization properties of the harmonics. *Physical Review A*, **1997**, 56, 645-656 2.6 114
- 565 Reflections upon separability and distillability. *Journal of Modern Optics*, **2002**, 49, 1399-1418 1.1 113
- 564 Ultracold Dipolar Gases ? a Challenge for Experiments and Theory. *Physica Scripta*, **2002**, T102, 74 2.6 112

563	Ultracold Bose Gases in 1D Disorder: From Lifshits Glass to Bose-Einstein Condensate. <i>Physical Review Letters</i> , <b>2007</b> , 98,	7.4	111
562	Operational criterion and constructive checks for the separability of low-rank density matrices. <i>Physical Review A</i> , <b>2000</b> , 62,	2.6	110
561	Three-level atom optics via the tunneling interaction. <i>Physical Review A</i> , <b>2004</b> , 70,	2.6	109
560	Fractional quantum Hall states in ultracold rapidly rotating dipolar fermi gases. <i>Physical Review Letters</i> , <b>2005</b> , 94, 070404	7.4	109
559	An optical-lattice-based quantum simulator for relativistic field theories and topological insulators. <i>New Journal of Physics</i> , <b>2012</b> , 14, 015007	2.9	108
558	Coherent Evolution of Bouncing Bose-Einstein Condensates. <i>Physical Review Letters</i> , <b>1999</b> , 83, 3577-3580	7.4	107
557	Metastable states of a gas of dipolar bosons in a 2D optical lattice. <i>Physical Review Letters</i> , <b>2007</b> , 98, 235301	7.4	106
556	Beyond carbon K-edge harmonic emission using a spatial and temporal synthesized laser field. <i>Physical Review Letters</i> , <b>2013</b> , 110, 053001	7.4	101
555	Entanglement spectrum, critical exponents, and order parameters in quantum spin chains. <i>Physical Review Letters</i> , <b>2012</b> , 109, 237208	7.4	100
554	Entropic uncertainty relations and entanglement. <i>Physical Review A</i> , <b>2004</b> , 70,	2.6	100
553	Quantum nonlocality. Detecting nonlocality in many-body quantum states. <i>Science</i> , <b>2014</b> , 344, 1256-8	33.3	97
552	Entanglement in spin chains and lattices with long-range Ising-type interactions. <i>Physical Review Letters</i> , <b>2005</b> , 94, 097203	7.4	97
551	Ultracold dipolar gases in optical lattices. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2011</b> , 44, 193001	1.3	93
550	Distributed quantum dense coding. <i>Physical Review Letters</i> , <b>2004</b> , 93, 210501	7.4	93
549	Quantum field theory of atoms interacting with photons: Foundations. <i>Physical Review A</i> , <b>1994</b> , 50, 2207-2231	33.3	93
548	Temporal and Spectral Tailoring of High-Order Harmonics. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5544-5547	7.4	90
547	Generation of extreme-ultraviolet beams with time-varying orbital angular momentum. <i>Science</i> , <b>2019</b> , 364,	33.3	89
546	Entanglement and Coherence in Quantum State Merging. <i>Physical Review Letters</i> , <b>2016</b> , 116, 240405	7.4	88

545	Spectral and statistical properties of strongly driven atoms coupled to frequency-dependent photon reservoirs. <i>Physical Review A</i> , <b>1988</b> , 37, 2048-2062	2.6	88
544	Weak Ergodicity Breaking of Receptor Motion in Living Cells Stemming from Random Diffusivity. <i>Physical Review X</i> , <b>2015</b> , 5,	9.1	87
543	Polarization of high-order harmonics. <i>Physical Review A</i> , <b>1997</b> , 55, 1314-1324	2.6	87
542	Dirac equation for cold atoms in artificial curved spacetimes. <i>New Journal of Physics</i> , <b>2011</b> , 13, 035002	2.9	86
541	Quantum-orbit analysis of high-order-harmonic generation by resonant plasmon field enhancement. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	84
540	Simulating lattice gauge theories within quantum technologies. <i>European Physical Journal D</i> , <b>2020</b> , 74, 1	1.3	84
539	Generation of attosecond pulses in macroscopic media. <i>Physical Review A</i> , <b>1997</b> , 56, 4960-4969	2.6	82
538	Spontaneous emission of atoms coupled to frequency-dependent reservoirs. <i>Physical Review A</i> , <b>1988</b> , 38, 808-819	2.6	81
537	Quantum random networks. <i>Nature Physics</i> , <b>2010</b> , 6, 539-543	16.2	80
536	Vacuum-field dressed-state pumping. <i>Physical Review Letters</i> , <b>1988</b> , 61, 1946-1949	7.4	77
535	Threshold effects in strong-field photodetachment. <i>Journal of Physics B: Atomic and Molecular Physics</i> , <b>1982</b> , 15, L661-L667		77
534	Tomography of band insulators from quench dynamics. <i>Physical Review Letters</i> , <b>2014</b> , 113, 045303	7.4	76
533	Reabsorption of Light by Trapped Atoms. <i>Physical Review Letters</i> , <b>1998</b> , 80, 5305-5308	7.4	74
532	Superfluidity of trapped dipolar fermi gases. <i>Physical Review Letters</i> , <b>2004</b> , 92, 250403	7.4	73
531	Macroscopic self-trapping in Bose-Einstein condensates: Analysis of a dynamical quantum phase transition. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	72
530	Ultracold atomic gases in non-Abelian gauge potentials: The case of constant Wilson loop. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	72
529	Relations between entanglement witnesses and Bell inequalities. <i>Physical Review A</i> , <b>2005</b> , 72,	2.6	71
528	Experimental detection of entanglement via witness operators and local measurements. <i>Journal of Modern Optics</i> , <b>2003</b> , 50, 1079-1102	1.1	70



527	Tensor Networks for Lattice Gauge Theories with Continuous Groups. <i>Physical Review X</i> , <b>2014</b> , 4,	9.1	69
526	Atomic fermi-bose mixtures in inhomogeneous and random lattices: from fermi glass to quantum spin glass and quantum percolation. <i>Physical Review Letters</i> , <b>2004</b> , 93, 040401	7.4	69
525	High-order-harmonic generation by enhanced plasmonic near-fields in metal nanoparticles. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	68
524	Order by disorder in spin-orbit-coupled Bose-Einstein condensates. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	68
523	Theory of dressed-state lasers. I. Effective Hamiltonians and stability properties. <i>Physical Review A</i> , <b>1991</b> , 44, 7717-7731	2.6	68
522	Evidence for a Bose-Einstein condensate of excitons. <i>Europhysics Letters</i> , <b>2014</b> , 107, 10012	1.6	67
521	Entangling strings of neutral atoms in 1D atomic pipeline structures. <i>Physical Review Letters</i> , <b>2003</b> , 91, 073601	7.4	67
520	Stabilization of atoms in ultrastrong laser fields: A classical approach. <i>Physical Review A</i> , <b>1992</b> , 46, 1638-1653	6.5	67
519	Few interacting fermions in a one-dimensional harmonic trap. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	66
518	Quantum anti-Zeno effect. <i>Physical Review A</i> , <b>2000</b> , 61,	2.6	66
517	Two-photon gain and lasing in strongly driven two-level atoms. <i>Physical Review Letters</i> , <b>1990</b> , 64, 3131-3134	3.4	66
516	Pair-supersolid phase in a bilayer system of dipolar lattice bosons. <i>Physical Review Letters</i> , <b>2009</b> , 103, 035304	7.4	65
515	Low-energy excitations of trapped Bose condensates. <i>Physical Review A</i> , <b>1997</b> , 55, R1581-R1584	2.6	65
514	Probing Bose-Einstein condensed atoms with short laser pulses. <i>Physical Review Letters</i> , <b>1993</b> , 71, 1339-1342	3.4	65
513	Exploring Interacting Topological Insulators with Ultracold Atoms: The Synthetic Creutz-Hubbard Model. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	64
512	Generalized spin-squeezing inequalities in N-qubit systems: Theory and experiment. <i>Physical Review A</i> , <b>2006</b> , 74,	2.6	64
511	Topological phase transitions in the non-Abelian honeycomb lattice. <i>New Journal of Physics</i> , <b>2010</b> , 12, 033041	2.9	63
510	Dipolar molecules in optical lattices. <i>Physical Review Letters</i> , <b>2012</b> , 108, 115301	7.4	63

509	Harmonic-generation control. <i>Physical Review A</i> , <b>1996</b> , 54, 4320-4326	2.6	63
508	Topological characterization of chiral models through their long time dynamics. <i>New Journal of Physics</i> , <b>2018</b> , 20, 013023	2.9	62
507	Exact isolated solutions for the class of quantum optical systems. <i>Journal of Physics A</i> , <b>1986</b> , 19, 305-318		60
506	Ground state structure in supersymmetric quantum mechanics. <i>Annals of Physics</i> , <b>1987</b> , 178, 313-329	2.5	58
505	Quantum computing with spatially delocalized qubits. <i>Physical Review Letters</i> , <b>2003</b> , 90, 147901	7.4	57
504	One- and two-dimensional quantum walks in arrays of optical traps. <i>Physical Review A</i> , <b>2005</b> , 72,	2.6	57
503	Generation of attosecond pulse trains during the reflection of a very intense laser on a solid surface. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1998</b> , 15, 1904	1.7	57
502	Generalized laws of thermodynamics in the presence of correlations. <i>Nature Communications</i> , <b>2017</b> , 8, 2180	17.4	56
501	Vortex nucleation as a case study of symmetry breaking in quantum systems. <i>Nature Physics</i> , <b>2009</b> , 5, 431-437	16.2	56
500	Bound entanglement and continuous variables. <i>Physical Review Letters</i> , <b>2000</b> , 85, 2657-60	7.4	56
499	Line shapes for light scattered from Bose-Einstein condensates. <i>Physical Review A</i> , <b>1994</b> , 50, R3565-R3568	6.6	56
498	Wannier-Bloch Approach to Localization in High-Harmonics Generation in Solids. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	55
497	High order harmonic generation in noble gases using plasmonic field enhancement. <i>Annalen Der Physik</i> , <b>2013</b> , 525, 97-106	2.6	54
496	Emerging bosons with three-body interactions from spin-1 atoms in optical lattices. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	54
495	Structural approximations to positive maps and entanglement-breaking channels. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	53
494	Quantum stability of Mott-insulator states of ultracold atoms in optical resonators. <i>New Journal of Physics</i> , <b>2008</b> , 10, 045002	2.9	53
493	Towards Resource Theory of Coherence in Distributed Scenarios. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	52
492	Entanglement distribution in pure-state quantum networks. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	52

491	Quantum gases in trimerized kagomel lattices. <i>Physical Review A</i> , <b>2005</b> , 72,	2.6	52
490	Disorder versus the Mermin-Wagner-Hohenberg effect: From classical spin systems to ultracold atomic gases. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	51
489	Three level atom optics in dipole traps and waveguides. <i>Optics Communications</i> , <b>2006</b> , 264, 264-270	2	51
488	Theory of fluorescence spectra induced by short laser pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1986</b> , 3, 22	1.7	51
487	Complete devil's staircase and crystal-superfluid transitions in a dipolar XXZ spin chain: a trapped ion quantum simulation. <i>New Journal of Physics</i> , <b>2010</b> , 12, 113037	2.9	50
486	Unified framework for correlations in terms of local quantum observables. <i>Physical Review Letters</i> , <b>2010</b> , 104, 140404	7.4	50
485	Disordered ultracold atomic gases in optical lattices: A case study of Fermi-Bose mixtures. <i>Physical Review A</i> , <b>2005</b> , 72,	2.6	50
484	Photon Spectrum in Laser-Induced Autoionization. <i>Physical Review Letters</i> , <b>1983</b> , 50, 417-420	7.4	50
483	Symphony on strong field approximation. <i>Reports on Progress in Physics</i> , <b>2019</b> , 82, 116001	14.4	49
482	Quantum phase transition of ultracold bosons in the presence of a non-Abelian synthetic gauge field. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	49
481	Classical and quantum-mechanical treatments of nonsequential double ionization with few-cycle laser pulses. <i>Physical Review A</i> , <b>2004</b> , 70,	2.6	49
480	Creation and mobility of discrete solitons in Bose-Einstein condensates. <i>Physical Review A</i> , <b>2004</b> , 69,	2.6	48
479	Quantum computing in optical microtraps based on the motional states of neutral atoms. <i>Physical Review A</i> , <b>2002</b> , 66,	2.6	48
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