

Peter Domokos

List of Publications by Year in descending order

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17
papers

1,594
citations

687363

13
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1144
citing authors

#	ARTICLE	IF	CITATIONS
1	Cold atoms in cavity-generated dynamical optical potentials. <i>Reviews of Modern Physics</i> , 2013, 85, 553-601.	45.6	664
2	Collective Cooling and Self-Organization of Atoms in a Cavity. <i>Physical Review Letters</i> , 2002, 89, 253003.	7.8	327
3	Mechanical effects of light in optical resonators. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 1098.	2.1	160
4	Elimination of the A-Square Problem from Cavity QED. <i>Physical Review Letters</i> , 2014, 112, 073601.	7.8	85
5	Semiclassical theory of cavity-assisted atom cooling. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 187-198.	1.5	77
6	Prospects for the cavity-assisted laser cooling of molecules. <i>Physical Review A</i> , 2008, 77, .	2.5	70
7	Scattering theory of cooling and heating in optomechanical systems. <i>Physical Review A</i> , 2009, 79, .	2.5	49
8	Correlated motion of two atoms trapped in a single-mode cavity field. <i>Physical Review A</i> , 2004, 70, .	2.5	37
9	Dissipative motion of an atom with transverse coherent driving in a cavity with many degenerate modes. <i>Physical Review A</i> , 2002, 66, .	2.5	25
10	Entanglement assisted fast reordering of atoms in an optical lattice within a cavity at $T=0$. <i>Optics Communications</i> , 2007, 273, 446-450.	2.1	24
11	Optomechanical Cooling with Generalized Interferometers. <i>Physical Review Letters</i> , 2010, 105, 013602.	7.8	22
12	Anomalous Doppler-Effect and Polariton-Mediated Cooling of Two-Level Atoms. <i>Physical Review Letters</i> , 2004, 92, 103601.	7.8	19
13	Theory of a single-atom laser including light forces. <i>Physical Review A</i> , 2005, 72, .	2.5	14
14	Bistability effect in the extreme strong coupling regime of the Jaynes-Cummings model. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	11
15	Collective Cooling of Atoms in a Ring Cavity. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2006, 26, 141-148.	0.4	5
16	Quantum noise in a transversely-pumped-cavity Bose-Hubbard model. <i>Physical Review A</i> , 2018, 97, .	2.5	5
17	Collection efficiency of optical photons generated from microwave excitations of a Bose-Einstein condensate. <i>Physical Review A</i> , 2022, 105, .	2.5	0