

Emil K Kirilov

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,775
citations

394421

19
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1821
citing authors

#	ARTICLE	IF	CITATIONS
1	Order of Magnitude Smaller Limit on the Electric Dipole Moment of the Electron. <i>Science</i> , 2014, 343, 269-272.	12.6	820
2	Quantum Quench in an Atomic One-Dimensional Ising Chain. <i>Physical Review Letters</i> , 2013, 111, 053003.	7.8	168
3	Bloch oscillations in the absence of a lattice. <i>Science</i> , 2017, 356, 945-948.	12.6	97
4	Observation of many-body dynamics in long-range tunneling after a quantum quench. <i>Science</i> , 2014, 344, 1259-1262.	12.6	75
5	Interaction-Induced Quantum Phase Revivals and Evidence for the Transition to the Quantum Chaotic Regime in 1D Atomic Bloch Oscillations. <i>Physical Review Letters</i> , 2014, 112, 193003.	7.8	58
6	Sonoluminescence from a Single Bubble Driven at 1ÂMegahertz. <i>Physical Review Letters</i> , 2004, 92, 124301.	7.8	51
7	Production of a degenerate Fermi-Fermi mixture of dysprosium and potassium atoms. <i>Physical Review A</i> , 2018, 98, .	2.5	51
8	Probing the Interface of a Phase-Separated State in a Repulsive Bose-Fermi Mixture. <i>Physical Review Letters</i> , 2018, 120, 243403.	7.8	51
9	Methods, analysis, and the treatment of systematic errors for the electron electric dipole moment search in thorium monoxide. <i>New Journal of Physics</i> , 2017, 19, 073029.	2.9	47
10	Search for the electron electric dipole moment using \hat{I}° -doublet levels in PbO. <i>Physical Review A</i> , 2013, 87, .	2.5	41
11	Zeeman-Tuned Rotational Level-Crossing Spectroscopy in a Diatomic Free Radical. <i>Physical Review Letters</i> , 2014, 112, 163002.	7.8	40
12	A new quantum gas apparatus for ultracold mixtures of K and Cs and KCs ground-state molecules. <i>Journal of Modern Optics</i> , 2016, 63, 1829-1839.	1.3	39
13	Magnetic and electric dipole moments of the H molecule ion H^+ .	2.5	35
14	Accurate Determination of the Dynamical Polarizability of Dysprosium. <i>Physical Review Letters</i> , 2018, 120, 223001.	7.8	29
15	Observation of interspecies Feshbach resonances in an ultracold K and Cs mixture and stimulated Raman adiabatic passage preparation of a coherent superposition of ThO states for an improved electron electric-dipole-moment measurement. <i>Physical Review A</i> , 2016, 93, .	7.8	27
16	Stability and breakdown of Fermi polarons in a strongly interacting Fermi-Bose mixture. <i>Physical Review A</i> , 2021, 103, .	2.5	25
17	Observation of interspecies Feshbach resonances in an ultracold K and Cs mixture and stimulated Raman adiabatic passage preparation of a coherent superposition of ThO states for an improved electron electric-dipole-moment measurement. <i>Physical Review A</i> , 2016, 93, .	2.5	24
18	Stability and breakdown of Fermi polarons in a strongly interacting Fermi-Bose mixture. <i>Physical Review A</i> , 2021, 103, .	2.5	23

#	ARTICLE	IF	CITATIONS
19	Shot-noise-limited spin measurements in a pulsed molecular beam. <i>Physical Review A</i> , 2013, 88, .	2.5	20
20	Breathing mode of a Bose-Einstein condensate repulsively interacting with a fermionic reservoir. <i>Physical Review A</i> , 2019, 99, .	2.5	19
21	Degenerate Raman sideband cooling of K . <i>Physical Review A</i> , 2017, 95, .	2.5	16
22	Advanced cold molecule electron EDM. <i>EPJ Web of Conferences</i> , 2013, 57, 02004.	0.3	7
23	2-photon ionization for efficient seeding and trapping of strontium ions. <i>European Physical Journal D</i> , 2009, 54, 683-691.	1.3	5
24	Compact, robust, and spectrally pure diode-laser system with a filtered output and a tunable copy for absolute referencing. <i>Applied Physics B: Lasers and Optics</i> , 2015, 119, 233-240.	2.2	4
25	Measurement of the dynamic polarizability of Dy atoms near the 626-nm intercombination line. <i>Physical Review A</i> , 2021, 104, .	2.5	3