

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	Stability and breakdown of Fermi polarons in a strongly interacting Fermi-Bose mixture. Physical Review A, 2021, 103, .	2.5	25
2	Measurement of the dynamic polarizability of Dy atoms near the 626-nm intercombination line. Physical Review A, 2021, 104, .	2.5	3
3	Observation of interspecies Feshbach resonances in an ultracold Fermi Mixture of K and Cs . Physical Review A, 2017, 95, .	7.8	27
4	Breathing mode of a Bose-Einstein condensate repulsively interacting with a fermionic reservoir. Physical Review A, 2019, 99, .	2.5	19
5	Production of a degenerate Fermi-Fermi mixture of dysprosium and potassium atoms. Physical Review A, 2018, 98, .	2.5	51
6	Accurate Determination of the Dynamical Polarizability of Dysprosium. Physical Review Letters, 2018, 120, 223001.	7.8	29
7	Probing the Interface of a Phase-Separated State in a Repulsive Bose-Fermi Mixture. Physical Review Letters, 2018, 120, 243403.	7.8	51
8	Observation of interspecies Feshbach resonances in an ultracold K and Cs mixture and refinement of interaction potentials. Physical Review A, 2017, 95, .	2.5	24
9	Bloch oscillations in the absence of a lattice. Science, 2017, 356, 945-948.	12.6	97
10	Degenerate Raman sideband cooling of K . Physical Review A, 2017, 95, .	2.5	16
11	Methods, analysis, and the treatment of systematic errors for the electron electric dipole moment search in thorium monoxide. New Journal of Physics, 2017, 19, 073029.	2.9	47
12	Stimulated Raman adiabatic passage preparation of a coherent superposition of ThO $^3\hat{I}^1$ states for an improved electron electric-dipole-moment measurement. Physical Review A, 2016, 93, .	2.5	23
13	A new quantum gas apparatus for ultracold mixtures of K and Cs and KCs ground-state molecules. Journal of Modern Optics, 2016, 63, 1829-1839.	1.3	39
14	Compact, robust, and spectrally pure diode-laser system with a filtered output and a tunable copy for absolute referencing. Applied Physics B: Lasers and Optics, 2015, 119, 233-240.	2.2	4
15	Interaction-Induced Quantum Phase Revivals and Evidence for the Transition to the Quantum Chaotic Regime in 1D Atomic Bloch Oscillations. Physical Review Letters, 2014, 112, 193003.	7.8	58
16	Zeeman-Tuned Rotational Level-Crossing Spectroscopy in a Diatomic Free Radical. Physical Review Letters, 2014, 112, 163002.	7.8	40
17	Order of Magnitude Smaller Limit on the Electric Dipole Moment of the Electron. Science, 2014, 343, 269-272.	12.6	820
18	Observation of many-body dynamics in long-range tunneling after a quantum quench. Science, 2014, 344, 1259-1262.	12.6	75

#	ARTICLE	IF	CITATIONS
19	Shot-noise-limited spin measurements in a pulsed molecular beam. Physical Review A, 2013, 88, .	2.5	20
20	Quantum Quench in an Atomic One-Dimensional Ising Chain. Physical Review Letters, 2013, 111, 053003.	7.8	168
21	Search for the electron electric dipole moment using \hat{I}° -doublet levels in PbO. Physical Review A, 2013, 87, .	2.5	41
22	Advanced cold molecule electron EDM. EPJ Web of Conferences, 2013, 57, 02004.	0.3	7
23	Magnetic and electric dipole moments of the H°	2.5	35
24	2-photon ionization for efficient seeding and trapping of strontium ions. European Physical Journal D, 2009, 54, 683-691.	1.3	5
25	Sonoluminescence from a Single Bubble Driven at 1 MHz. Physical Review Letters, 2004, 92, 124301.	7.8	51