V I Romanenko

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36 papers	306 citations	9 h-index	16 g-index
51 ext. papers	333 ext. citations	1.4 avg, IF	2.79 L-index

#	Paper	IF	Citations
36	Performance of a229Thorium solid-state nuclear clock. *New Journal of Physics*, **2012**, 14, 083019	2.9	64
35	Stimulated Raman adiabatic passage with partially coherent laser fields. *Physical Review A*, **2002**, 65,	2.6	32
34	Adiabatic population transfer in the three-level system: two-photon lineshape. *Optics Communications*, **1997**, 140, 231-236	2	29
33	Landau-Zener transitions and population transfer in a three-level system driven by two delayed laser pulses. *Optics Communications*, **1994**, 109, 462-466	2	28
32	Simple mechanical analogs of rapid adiabatic passage in atomic physics. *American Journal of Physics*, **2009**, 77, 1183-1194	0.7	19
31	Two-photon excitation of the metastable 2s state of hydrogen assisted by laser-induced chirped Stark shifts and continuum structure. *Physical Review A*, **2005**, 71,	2.6	14
30	Strong optical forces in frequency-modulated light. *Physical Review A*, **2001**, 64,	2.6	13
29	New methods of isotope separation. *Uspekhi Fizicheskikh Nauk*, **1977**, 20, 209-225		13
28	Theory of one-dimensional trapping of atoms by counterpropagating short pulse trains. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2011**, 44, 115305	1.3	12
27	Cooling and trapping of atoms and molecules by counterpropagating pulse trains. *Physical Review A* , **2014**, 90,	2.6	8
26	Influence of the atomic-wall collision elasticity on the coherent population trapping resonance shape. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2011**, 44, 235401	1.3	8
25	Scattering of atoms in a bichromatic field of oppositely propagating light pulses. *Journal of Experimental and Theoretical Physics*, **2000**, 90, 407-414	1	8
24	Laser stimulated chemical reactions and isotope separation. *Soviet Journal of Quantum Electronics*, **1975**, 5, 510-514		8
23	Asymmetry of the scattering amplitude of atoms in the field of short counterpropagating light pulses. *JETP Letters*, **1996**, 63, 968-972	1.2	5
22	Trapping of atoms by the counter-propagating stochastic light waves. *Optics Communications*, **2017**, 392, 239-246	2	4
21	Laser control of atomic and molecular motion by sequences of counterpropagating light pulses. *Journal of Modern Optics*, **2014**, 61, 839-844	1.1	4
20	Dark resonances in the field of frequency-shifted feedback laser radiation. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2010**, 43, 215402	1.3	4

19	Emission of surface electromagnetic waves in the case of resonance tunneling of electrons. *Soviet Journal of Quantum Electronics*, **1987**, 17, 1348-1352		4
18	An Optical Trap for Atoms on the Basis of Counter-Propagating Bichromatic Light Waves. *Ukrainian Journal of Physics*, **2016**, 61, 309-324	0.4	4
17	Stimulated Raman adiabatic passage in fields with stochastic amplitudes. *Journal of Experimental and Theoretical Physics*, **2005**, 101, 788-794	1	3
16	Atoms in the counter-propagating frequency-modulated waves: splitting, cooling, confinement. *European Physical Journal D*, **2017**, 71, 1	1.3	2
15	Stimulated radiation pressure acting on an atom nonadiabatically interacting with the field of counterpropagating frequency-modulated waves. *JETP Letters*, **2008**, 86, 756-760	1.2	2
14	Forces exerted on atoms by stochastic laser fields. *Optics Communications*, **2006**, 268, 121-132	2	2
13	Coherent momentum transfer due to interaction between three-level atoms and counterpropagating laser pulses. *Journal of Experimental and Theoretical Physics*, **2005**, 100, 242-255	1	2
12	Harmonic generation in metal□barrier□metal junctions. *Soviet Journal of Quantum Electronics*, **1981**, 11, 237-239		2
11	Rates of chemical reactions stimulated by laser radiation. *Soviet Journal of Quantum Electronics*, **1975**, 5, 883-885		2
10	Storage and retrieval of coherent optical information in atomic populations. *Optics Communications* , **2011**, 284, 5710-5718	2	1
9	Magneto-optical CPT resonances in rubidium excited by femtosecond laser comb **2010**,		1
8	Interference of polarized beams near the isotropic point of the CdS crystal. *Semiconductors*, **2001**, 35, 1147-1150	0.7	1
7	Atomic Momentum Diffusion in the Field of Counter-Propagating Stochastic Light Waves. *Ukrainian Journal of Physics*, **2018**, 63, 616	0.4	1
6	On the Accuracy of Error Propagation Calculations by Analytic Formulas Obtained for the Inverse Transformation. *Ukrainian Journal of Physics*, **2019**, 64, 217	0.4	1
5	Evolution of the velocity distribution of atoms under the action of the bichromatic force. *Physical Review A*, **2021**, 103,	2.6	1
4	Integrated automatic control system for blast-furnace production. *Steel in Translation*, **2009**, 39, 837-841	0.4	
3	Scattering of atoms in the field of counterpropagating light waves. Effect of initial conditions. *Journal of Experimental and Theoretical Physics*, **1998**, 86, 312-317	1	
2	Spatial Distribution of Atoms in the Field of Intersecting Standing Bichromatic Light Waves. *Ukrainian Journal of Physics*, **2019**, 64, 109	0.4	

1 Expansion and compression of the momentum distribution of atoms in the field of the counter-propagating frequency-modulated waves. *European Physical Journal D*, **2021**, 75, 1 1.3