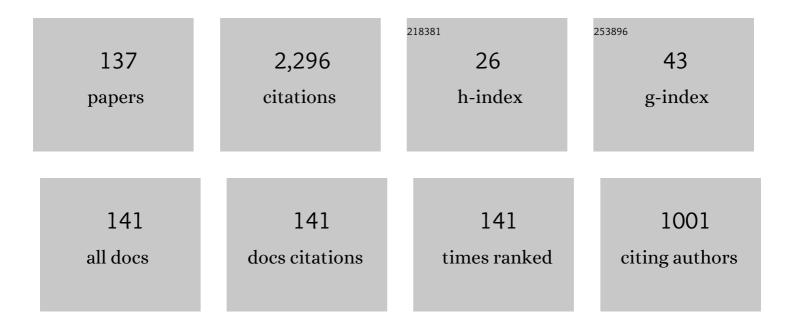
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Field-induced effects of narrowing of photoelectron spectra and stabilisation of Rydberg atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 1988, 21, L155-L158.	0.6	157
2	Interference suppression of photoionization of Rydberg atoms in a strong electromagnetic field. Journal of the Optical Society of America B: Optical Physics, 1989, 6, 928.	0.9	109
3	Packet narrowing and quantum entanglement in photoionization and photodissociation. Physical Review A, 2004, 69, .	1.0	97
4	INTERACTION OF INTENSE OPTICAL RADIATION WITH FREE ELECTRONS (NONRELATIVISTIC CASE). Uspekhi Fizicheskikh Nauk, 1973, 15, 416-435.	0.3	93
5	Anisotropically and High Entanglement of Biphoton States Generated in Spontaneous Parametric Down-Conversion. Physical Review Letters, 2007, 99, 063901.	2.9	84
6	Biphoton wave packets in parametric down-conversion: Spectral and temporal structure and degree of entanglement. Physical Review A, 2008, 78, .	1.0	81
7	Isolated Attosecond Pulses from Laser-Driven Synchrotron Radiation. Physical Review Letters, 2012, 109, 245005.	2.9	68
8	Short-pulse or strong-field breakup processes: a route to study entangled wave packets. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S467-S483.	0.6	65
9	Spontaneous emission of a photon: Wave-packet structures and atom-photon entanglement. Physical Review A, 2005, 72, .	1.0	63
10	Spontaneous parametric down-conversion: Anisotropical and anomalously strong narrowing of biphoton momentum correlation distributions. Physical Review A, 2008, 77, .	1.0	57
11	Gaussian modelling and Schmidt modes of SPDC biphoton states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 175503.	0.6	53
12	Packet spreading, stabilization, and localization in superstrong fields. Physical Review Letters, 1992, 68, 2592-2595.	2.9	52
13	Intensity-dependent phase-matching effects in harmonic generation. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 863.	0.9	52
14	Observation of Nonspreading Wave Packets in an Imaginary Potential. Physical Review Letters, 2005, 95, 110405.	2.9	50
15	Spectrum of light scattered coherently or incoherently by a collection of atoms. Physical Review A, 1992, 45, 4706-4712.	1.0	46
16	Coherence and interference in a Rydberg atom in a strong laser field: excitation, ionization, and emission of light. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 569.	0.9	44
17	New effects in the multiphoton ionization of atoms. Uspekhi Fizicheskikh Nauk, 1989, 32, 500-520.	0.3	39
18	Strong-field photoionisation of an initially excited hydrogen atom: Formation of Rydberg wavepacket, its structure and trapping of population at Rydberg levels. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, 2245S-2257S.	0.6	38

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19	Characterization of spectral entanglement of spontaneous parametric-down conversion biphotons in femtosecond pulsed regime. Europhysics Letters, 2009, 87, 64003.	0.7	38
20	Freeâ€electron laser based on the effect of channeling in an intense standing light wave. Applied Physics Letters, 1988, 53, 353-354.	1.5	37
21	Spectrum of light scattered by a strongly driven atom. Physical Review A, 1993, 47, 1327-1335.	1.0	37
22	e-e scattering in the presence of an external field. Journal of Physics A, 1981, 14, 2305-2315.	1.6	34
23	Resonance interaction of autoionising states with an intense electromagnetic field. Journal of Physics B: Atomic and Molecular Physics, 1982, 15, 2851-2858.	1.6	30
24	Wavepacket spreading and electron localization in strong-field ionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 1993, 26, 1181-1195.	0.6	29
25	Interference stabilization of Rydberg atoms: numerical calculations and physical models. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 2907-2924.	0.6	29
26	Entanglement of biphoton states: qutrits and ququarts. New Journal of Physics, 2011, 13, 083004.	1.2	26
27	Interference Stabilization Revisited. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 42-53.	1.9	26
28	Semiclassical matrix elements, essential-states models and perturbation theory of above-threshold ionisation. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, 1193-1205.	0.6	25
29	Ponderomotive forces and stimulated Compton scattering of free electrons in a laser field. Physical Review E, 1997, 55, 1015-1027.	0.8	25
30	Wave packets, probabilities of transitions, and multiphoton excitation of atoms. Journal of the Optical Society of America B: Optical Physics, 1988, 5, 850.	0.9	23
31	Strong-field photoionization and emission of light in the wave-packet-spreading regime. Physical Review A, 1995, 52, 504-513.	1.0	23
32	Ac Stark effect and trapping of population on Rydberg levels in a strong ionizing field. Journal of the Optical Society of America B: Optical Physics, 1989, 6, 1504.	0.9	22
33	Resonant ionisation of atoms and switching-on of the interaction. Journal of Physics B: Atomic and Molecular Physics, 1977, 10, 2573-2582.	1.6	21
34	Photodetachment of an electron from a negative ion in the near-threshold region. I. Suddenly switching-on interaction. Journal of Physics B: Atomic and Molecular Physics, 1983, 16, 3641-3652.	1.6	21
35	Photodetachment of an electron from a negative ion in the near-threshold region. II. Pulses of radiation with smooth time envelopes. Journal of Physics B: Atomic and Molecular Physics, 1983, 16, 3653-3666.	1.6	20
36	Three-photon generation by means of third-order spontaneous parametric down-conversion in bulk crystals. Laser Physics Letters, 2015, 12, 115404.	0.6	20

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37	Strong-field short-pulse photoionization of Rydberg atoms: Interference stabilization and distribution of the photoelectron density in space and time. Physical Review A, 1998, 58, 1322-1334.	1.0	19
38	Interference stabilization of Rydberg atoms: Quasiclassical analytical theory and exact three-dimensional numerical simulations. Physical Review A, 1999, 60, R749-R752.	1.0	18
39	An electron in a quantized plane wave and in a constant magnetic field. Zeitschrift Für Physik A, 1973, 261, 191-202.	0.9	17
40	Influence of a strong electromagnetic wave on stimulated bremsstrahlung of electrons. Soviet Journal of Quantum Electronics, 1977, 7, 1260-1266.	0.1	17
41	Stimulated bremsstrahlung in the presence of an intense electromagnetic wave. Journal of Physics A, 1976, 9, L103-L106.	1.6	16
42	Comparison of quasiclassical and exact dipole moments for bound-free transitions in hydrogen. Physical Review A, 1995, 52, 125-129.	1.0	16
43	Relativistic ponderomotive forces. Journal of Experimental and Theoretical Physics, 1999, 89, 640-646.	0.2	16
44	Azimuthal entanglement and multichannel Schmidt-type decomposition of noncollinear biphotons. Physical Review A, 2016, 93, .	1.0	16
45	Free-Electron Laser without Inversion: Gain Optimization and Implementation Scheme. Physical Review Letters, 2000, 85, 4510-4513.	2.9	14
46	L. V. Keldysh's "lonization in the Field of a Strong Electromagnetic Wave―and modern physics of atomic interaction with a strong laser field. Journal of Experimental and Theoretical Physics, 2016, 122, 449-455.	0.2	14
47	Quasiclassical atomic electron in a strong light field. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 4145-4167.	0.6	13
48	Two-color interference stabilization of atoms. Physical Review A, 2004, 69, .	1.0	13
49	Interaction of atoms with supershort laser pulses and the generation of the supercontinuum. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, 2505-2520.	0.6	12
50	Wavepacket theory of the Kapitza-Dirac effect. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 4535-4550.	0.6	12
51	The Schmidt modes of biphoton qutrits: Poincaré-sphere representation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 095502.	0.6	12
52	Semiclassical dynamics of strongly driven systems. Physical Review A, 1998, 58, R793-R796.	1.0	11
53	Classical and quantum versions of the Kapitza-Dirac effect. Journal of Experimental and Theoretical Physics, 1999, 89, 460-467.	0.2	11
54	Suppression of interference in e-e scattering by the field of a strong electromagnetic wave. Journal of Physics A, 1984, 17, 3143-3149.	1.6	10

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55	Phase control of the degree of ionization of Rydberg atoms by a strong laser field. Journal of Experimental and Theoretical Physics, 2000, 90, 794-804.	0.2	10
56	Diverging light pulses in vacuum: Lorentz-invariant mass and mean propagation speed. Laser Physics, 2017, 27, 036202.	0.6	9
57	Interaction of electrons with the electromagnetic field in free electron lasers. Uspekhi Fizicheskikh Nauk, 1981, 24, 801-814.	0.3	8
58	Qutrits and ququarts in spontaneous parametric down-conversion, correlations and entanglement. Journal of Experimental and Theoretical Physics, 2012, 115, 15-35.	0.2	8
59	Schmidt decomposition for non-collinear biphoton angular wave functions. Physica Scripta, 2015, 90, 074048.	1.2	8
60	Free-electron laser exploiting a superlattice-like medium. Optics Express, 1998, 3, 162.	1.7	7
61	Rotational quasienergy states and alignment of molecules in a strong laser field. Journal of Experimental and Theoretical Physics, 1999, 89, 837-844.	0.2	7
62	Dynamics of spontaneous radiation of atoms scattered by a resonance standing light wave. Journal of Experimental and Theoretical Physics, 2003, 97, 522-538.	0.2	7
63	Spatial amplification of a laser wave and the transverse spread of electrons in an undulator with a noncollinear configuration. Laser Physics, 2007, 17, 1213-1216.	0.6	7
64	Single biphoton ququarts as either pure or mixed states. Physical Review A, 2011, 84, .	1.0	7
65	Spectral Entanglement in Parametric Down-Conversion with Nondegenerate Frequencies. Advanced Science Letters, 2009, 2, 511-516.	0.2	7
66	Near threshold photodetachment of electrons from negative ions and its dependence on the shape of the laser pulse envelope. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 3469-3480.	1.6	6
67	Grobe and Fedorov reply. Physical Review Letters, 1993, 70, 1562-1562.	2.9	6
68	Stabilization and structure of wave packets in Rydberg atoms ionized by a strong light field. Optics Express, 1998, 3, 271.	1.7	6
69	Coherent control of strong-field two-pulse ionization of Rydberg atoms. Optics Express, 2000, 6, 117.	1.7	6
70	Calculations of photodissociation in intense laser fields: Validity of the adiabatic elimination of the continuum. International Journal of Quantum Chemistry, 2004, 99, 452-459.	1.0	6
71	Three-photon polarization ququarts: polarization, entanglement and Schmidt decompositions. Laser Physics, 2015, 25, 035204.	0.6	6
72	Luminescence in germania–silica fibers in a 1–2Âμm region. Optics Letters, 2017, 42, 2874.	1.7	6

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73	Packet Spreading, Stabilization, and Localization in Superstrong Fields. Physical Review Letters, 1992, 69, 3591-3591.	2.9	5
74	Competition between <font face="Symbol">L</font> - and V-type transitions in interference stabilization of Rydberg atoms. Optics Express, 1998, 2, 51.	1.7	5
75	Interference stabilization of molecules with respect to photodissociation by a strong laser field. Physical Review A, 2002, 65, .	1.0	5
76	Potential scattering of electron wave packets by large-size targets. Physical Review A, 2002, 65, .	1.0	5
77	Temporal interference effects in noncollinear and frequency-nondegenerate spontaneous parametric down-conversion. Physical Review A, 2018, 98, .	1.0	5
78	Entanglement of multiphoton states in polarization and quadrature variables. Laser Physics, 2019, 29, 124006.	0.6	5
79	Laser-induced collective binding in two-electron systems. Physical Review A, 1984, 30, 658-660.	1.0	4
80	Light amplification and electron acceleration by a noncollinear Compton process. Journal of the Optical Society of America B: Optical Physics, 1987, 4, 1109.	0.9	4
81	Laser temporal and spatial effects on ionization suppression. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 1234.	0.9	4
82	Nonstationary theory of wave-packet potential scattering. Physical Review A, 1998, 58, 1195-1203.	1.0	4
83	Interference stabilization of molecules with respect to photodissociation by a strong laser field. Journal of Modern Optics, 2003, 50, 513-527.	0.6	4
84	Invariant Mass and Propagation Speed of Light Pulses in Vacuum. Journal of Physics: Conference Series, 2017, 826, 012025.	0.3	4
85	Hong–Ou–Mandel effect in terms of the temporal biphoton wave function with two arrival-time variables. Laser Physics Letters, 2018, 15, 035206.	0.6	4
86	High resource of azimuthal entanglement in terms of Cartesian variables of noncollinear biphotons. Physical Review A, 2018, 97, .	1.0	4
87	Entanglement of multiphoton two-mode polarization Fock states and of their superpositions. Laser Physics Letters, 2020, 17, 035209.	0.6	4
88	Comments on "Multiphoton processes in homopolar diatomic molecules," "Perturbation theory in closed form for heteronuclear diatomic molecules," and "Multiphoton processes in heteropolar diatomic molecules". Physical Review A, 1975, 11, 1763-1764.	1.0	3
89	Polarization of photoelectrons in the ionization of unpolarized atoms. Uspekhi Fizicheskikh Nauk, 1979, 22, 252-269.	0.3	3
90	Non-stationary scattering of wave-packets. Optics Express, 1998, 2, 404.	1.7	3

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91	Experimental observation of double-peak structure of coincidence spectra in ultrafast spontaneous parametric down-conversion. Physical Review A, 2013, 87, .	1.0	3
92	Diffraction as a reason for slowing down light pulses in vacuum. Europhysics Letters, 2017, 117, 64001.	0.7	3
93	Stabilization of a Rydberg atom and competition between the $\hat{\bf b}$ and V transition channels. Journal of Experimental and Theoretical Physics, 1998, 87, 445-453.	0.2	2
94	Interference stabilisation of Rydberg atoms in a strong laser field. Quantum Electronics, 1999, 29, 578-590.	0.3	2
95	Einstein localization in entangled light scattering. Journal of Modern Optics, 2004, 51, 1779-1786.	0.6	2
96	Strong-field interference stabilization of Rydberg atoms and the pulse-propagation problem. Laser Physics, 2006, 16, 948-956.	0.6	2
97	Modulation and correlation of the radial and angular motions of a Rydberg electron in a resonance microwave field. Quantum Electronics, 2006, 36, 713-719.	0.3	2
98	The threshold conditions for an FELWI. Physica Scripta, 2010, T140, 014058.	1.2	2
99	Biphoton ququarts as either pure or mixed states, features and reconstruction from coincidence measurements. European Physical Journal D, 2013, 67, 1.	0.6	2
100	Features of three-photon polarization states: Entanglement and polarization. International Journal of Quantum Information, 2014, 12, 1560009.	0.6	2
101	On a possible definition of the concept of â€~mass density' for a classical electromagnetic field in vacuum. Laser Physics Letters, 2015, 12, 096201.	0.6	2
102	Schmidt-mode analysis of quadrature entanglement in superpositions of two-mode multiphoton states. Physica Scripta, 2020, 95, 064001.	1.2	2
103	Resonant interaction between intense electromagnetic waves during ionization of an atom. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1978, 21, 49-55.	0.0	1
104	Resonance ionization of atoms in a strong spatially inhomogeneous electromagnetic field. Soviet Journal of Quantum Electronics, 1980, 10, 454-461.	0.1	1
105	Inverse noncollinear Compton laser as a device for acceleration of electrons. Applied Physics Letters, 1986, 49, 1668-1669.	1.5	1
106	Photon echo formed by exciting pulses with smooth envelopes. Journal of the Optical Society of America B: Optical Physics, 1989, 6, 1314.	0.9	1
107	On amplification of electromagnetic radiation in a free-electron beam passing through an atomic gas. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, 4181-4184.	0.6	1
108	Interference Stabilization in Atoms and Molecules. AIP Conference Proceedings, 2002, , .	0.3	1

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109	The influence of the surface electron layer on the energy spectrum of photoelectrons. Journal of Experimental and Theoretical Physics, 2002, 95, 705-709.	0.2	1
110	Cross-phase-modulation-induced instability and efficient parametric frequency conversion of ultrashort light pulses. Journal of Experimental and Theoretical Physics, 2006, 102, 707-711.	0.2	1
111	Coherent array of non-spreading atomic wave packets in absorptive optical potentials. Laser Physics Letters, 2006, 3, 31-36.	0.6	1
112	Resonant diffusive radiation in random multilayered systems. Laser Physics, 2007, 17, 1080-1084.	0.6	1
113	Peak doubling in spontaneous parametric down-conversion coincidence spectra with a short-pulse pump*. Physica Scripta, 2012, 85, 058105.	1.2	1
114	State entanglement of biphoton qutrits and ququarts. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 233-236.	0.1	1
115	Lorentz-invariant mass and entanglement of biphoton states. Laser Physics Letters, 2019, 16, 065203.	0.6	1
116	Strong-Field Interference Stabilization in Atoms and Molecules. NATO ASI Series Series B: Physics, 1993, , 245-259.	0.2	1
117	Entanglement Degree Characterization of Spontaneous Parametric-Down Conversion Biphotons in Frequency Domain. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 46-55.	0.2	1
118	Interference Stabilization. , 1996, , 11-21.		1
119	Einstein localization in entangled light scattering. , 0, .		1
120	Charge symmetry of wave functions for an electron in a quantized electromagnetic wave field. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1975, 18, 773-776.	0.0	0
121	Splitting of atomic levels in a strong magnetic field in the presence of an intense resonance wave. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1976, 19, 1624-1628.	0.0	Ο
122	Wave-Front Distortion of High-Order Harmonic Beams Caused by Intensity-Dependent Emission Phases. Journal of X-Ray Science and Technology, 1995, 5, 312-322.	0.7	0
123	STRONG-FIELD REGIMES OF PHOTOIONIZATION. Journal of Nonlinear Optical Physics and Materials, 1995, 04, 757-773.	1.1	Ο
124	Interference stabilization of Rydberg atoms induced by a strong laser field. , 1996, 2796, 2.		0
125	Introduction. Optics Express, 2001, 8, 351.	1.7	0
126	Delay-Dependent Amplification of a Probe Pulse via Stimulated Rayleigh Scattering. Physical Review Letters, 2002, 88, 213001.	2.9	0

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127	Formation of two-dimensional nonspreading atomic wave packets in the field of two standing light waves. Quantum Electronics, 2005, 35, 675-678.	0.3	Ο
128	Spectral Characterisation of Spontaneous Parametric-Down Conversion Entangled Photons Source in Femtosecond Pulsed Regime. , 2009, , .		0
129	The THz Radiation from Undulator. , 2010, , .		Ο
130	Azimuthal entanglement and multimode schmidt decompositions for noncollinear biphotons. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 755-759.	0.1	0
131	Three-photon spontaneous downconversion in highly nonlinear germania-silica optical fiber waveguides. , 2016, , .		0
132	Interference Stabilization: $\hat{i}$ -and V-Schemes, Dynamics of Ionization, Initial Coherent Population of Rydberg Levels and Quantum Phase Control of The Ionization Yield. , 2001, , 277-284.		0
133	Schmidt-mode and Stokes-vector representations of biphoton polarization qutrits. , 2013, , .		Ο
134	Photoionization and Stabilization of Rydberg Atoms with High Values of Orbital Momentum. , 1996, , 45-53.		0
135	Atoms, molecules, and electrons in strong light field. , 1999, , .		Ο
136	Strong field coheimce effects in the processes of photoionization from rydberg levels. , 1989, , 177-193.		0
137	Spontaneous parametric down-conversion: Revisiting the parameters of transverse entanglement outside the near zone. Physical Review A, 2022, 105, .	1.0	0