

Nikolai L Manakov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electron interference in atomic ionization by two crossing polarized ultrashort pulses. Physical Review A, 2021, 103, .	2.5	6
2	Adiabatic expressions for the wave function of an electron in a finite-range potential and an intense low-frequency laser pulse. Physical Review A, 2021, 104, .	2.5	12
3	Circular Dichroism in the Photoionization of Unpolarized Atoms by Two Crossing Photon Beams. Atoms, 2021, 9, 108.	1.6	0
4	Attosecond-pulse metrology based on high-order harmonic generation. Physical Review A, 2020, 101, .	2.5	20
5	Analytic description of the above-threshold detachment in the adiabatic limit. Physical Review A, 2020, 102, .	2.5	4
6	Molecular Symmetry-Mixed Dichroism in Double Photoionization of H_2 . Physical Review Letters, 2019, 123, 143202.	7.8	2
7	Analytic description of high-order harmonic generation in the adiabatic limit with application to an initial s state in an intense bicircular laser pulse. Physical Review A, 2019, 99, .	2.5	17
8	XUV-assisted high-order-harmonic-generation spectroscopy. Physical Review A, 2018, 98, .	2.5	17
9	Dynamical electron vortices in attosecond double photoionization of H_2 . Physical Review A, 2018, 98, .	2.5	28
10	Control of Harmonic Generation by the Time Delay Between Two-Color, Bicircular Few-Cycle Mid-IR Laser Pulses. Physical Review Letters, 2018, 120, 263203.	7.8	33
11	Kinematical vortices in double photoionization of helium by attosecond pulses. Physical Review A, 2017, 96, .	2.5	40
12	Adiabatic-limit Coulomb factors for photoelectron and high-order-harmonic spectra. Physical Review A, 2017, 96, .	2.5	21
13	Ellipticity dependence of high harmonic yield in intense laser field: case of s-valence electron. Quantum Electronics, 2016, 46, 366-370.	1.0	0
14	Suppression of the contribution of short trajectories into above-threshold ionisation spectra by a two-colour laser field. Quantum Electronics, 2016, 46, 361-365.	1.0	1
15	Control of threshold enhancements in harmonic generation by atoms in a two-color laser field with orthogonal polarizations. Physical Review A, 2016, 93, .	2.5	14
16	Atomic photoionization experiment by harmonic-generation spectroscopy. Physical Review A, 2016, 93, .	2.5	12
17	Multistart spiral electron vortices in ionization by circularly polarized UV pulses. Physical Review A, 2016, 94, .	2.5	78
18	Scaling laws for high-order-harmonic generation with midinfrared laser pulses. Physical Review A, 2015, 92, .	2.5	20

#	ARTICLE	IF	CITATIONS
19	Electron Vortices in Photoionization by Circularly Polarized Attosecond Pulses. <i>Physical Review Letters</i> , 2015, 115, 113004.	7.8	141
20	Comment on "Universality of Returning Electron Wave Packet in High-Order Harmonic Generation with Midinfrared Laser Pulses". <i>Physical Review Letters</i> , 2015, 114, 069301.	7.8	6
21	Resonant electron-atom bremsstrahlung in an intense laser field. <i>Physical Review A</i> , 2014, 89, .	2.5	22
22	Nonlinear Dichroism in Back-to-Back Double Ionization of He by an Intense Elliptically Polarized Few-Cycle Extreme Ultraviolet Pulse. <i>Physical Review Letters</i> , 2014, 113, 223002.	7.8	29
23	Analytic model for the description of above-threshold ionization by an intense short laser pulse. <i>Physical Review A</i> , 2014, 89, .	2.5	20
24	Zero-range-potential model for strong-field molecular processes: Dynamic polarizability and photodetachment cross section. <i>Physical Review A</i> , 2013, 88, .	2.5	9
25	Harmonic generation spectroscopy with a two-colour laser field having orthogonal linear polarizations. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 231001.	1.5	21
26	Carrier-envelope-phase-induced asymmetries in double ionization of helium by an intense few-cycle XUV pulse. <i>Physical Review A</i> , 2013, 88, .	2.5	10
27	Analytic description of elastic electron-atom scattering in an elliptically polarized laser field. <i>Physical Review A</i> , 2013, 87, .	2.5	22
28	Control of atomic dynamics in laser-assisted electron-atom scattering through the driving-laser ellipticity. <i>Physical Review A</i> , 2013, 87, .	2.5	3
29	High-order-harmonic-generation spectroscopy with an elliptically polarized laser field. <i>Physical Review A</i> , 2012, 86, .	2.5	31
30	Analytic theory of high-order-harmonic generation by an intense few-cycle laser pulse. <i>Physical Review A</i> , 2012, 85, .	2.5	47
31	Validity of Factorization of the High-Energy Photoelectron Yield in Above-Threshold Ionization of an Atom by a Short Laser Pulse. <i>Physical Review Letters</i> , 2012, 108, 213002.	7.8	29
32	High-order harmonic generation by atoms in a few-cycle laser pulse: Carrier-envelope phase and many-electron effects. <i>Physical Review A</i> , 2011, 83, .	2.5	43
33	Plateau Structure in Resonant Laser-Assisted Electron-Atom Scattering. <i>Physical Review Letters</i> , 2009, 102, 103201.	7.8	8
34	Perturbation theory analysis of attosecond photoionization. <i>Physical Review A</i> , 2009, 80, .	2.5	79
35	Analytic formulae for high harmonic generation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 035601.	1.5	90
36	Analytic Description of the High-Energy Plateau in Harmonic Generation by Atoms: Can the Harmonic Power Increase with Increasing Laser Wavelengths?. <i>Physical Review Letters</i> , 2009, 102, 243901.	7.8	132

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37	Laser-induced resonant structure in electron-atom scattering. Journal of Physics: Conference Series, 2009, 194, 112004.	0.4	0
38	Analytic formulas for above threshold ionization or detachment plateau spectra. Journal of Physics: Conference Series, 2009, 194, 032033.	0.4	1
39	Analytic description of the high-energy plateau in laser-assisted electron-atom scattering. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 241002.	1.5	13
40	Wavelength Scaling of High-Harmonic Yield: Threshold Phenomena and Bound State Symmetry Dependence. Physical Review Letters, 2008, 100, 173001.	7.8	120
41	Polarization control of direct (non-sequential) two-photon double ionization of He. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 3115-3126.	1.5	9
42	Nondipole Effects in Double Photoionization of He. AIP Conference Proceedings, 2006, , .	0.4	0
43	An analytical quantum model for intense field processes: quantum origin of rescattering plateaus. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S283-S305.	1.5	19
44	Elliptic and Circular Dichroism Effects in Two-Photon Double Ionization of Atoms. Physical Review Letters, 2006, 97, 123002.	7.8	26
45	RESCATTERING-INDUCED EFFECTS FOR ELECTRON-ATOM SCATTERING IN THE PRESENCE OF A CIRCULARLY POLARIZED LASER FIELD. , 2006, , .		0
46	Comment on analytical calculations of two-photon transition amplitudes for the hydrogen atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 311-316.	1.5	6
47	Circular dichroism in classical Coulomb scattering involving bremsstrahlung. Physical Review A, 2005, 72, .	2.5	2
48	Nondipole effects in the triply differential cross section for double photoionization of He. Physical Review A, 2005, 71, .	2.5	11
49	Rescattering effects in the multiphoton regime. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, L375-L382.	1.5	11
50	Perturbative analysis of the triply differential cross section and circular dichroism in photo-double-ionization of He. Physical Review A, 2004, 69, .	2.5	14
51	Circular dichroism at equal energy sharing in photo-double-ionization of He. Physical Review A, 2004, 70, .	2.5	4
52	Multiphoton detachment of a negative ion by an elliptically polarized, monochromatic laser field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, R49-R124.	1.5	72
53	Strong field detachment of a negative ion with non-zero angular momentum: application to F ⁻ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, L419-L426.	1.5	41
54	Threshold-Related Enhancement of the High-Energy Plateau in Above-Threshold Detachment. Physical Review Letters, 2002, 88, 193001.	7.8	62

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55	Perturbative calculation of the triply differential cross section for photo-double-ionization of He. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, L543-L552.	1.5	19
56	Static-electric-field behaviour in negative ion detachment by an intense, high-frequency laser field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, L579-L586.	1.5	7
57	Comment on "Photodetachment in combined static and dynamic electric fields". Physical Review A, 2001, 64, .	2.5	8
58	Threshold Effects on Angular Distributions for Multiphoton Detachment by Intense Elliptically Polarized Light. Physical Review Letters, 2001, 87, 133001.	7.8	27
59	Exact analytic relation between quantum defects and scattering phases with applications to Green's functions in quantum defect theory. European Physical Journal D, 2000, 8, 347-359.	1.3	17
60	Interaction of laser radiation with a negative ion in the presence of a strong static electric field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, R141-R214.	1.5	86
61	DC-field-induced resonance and polarization effects in two-colour frequency mixing in atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 2057-2073.	1.5	4
62	Static-Electric-Field-Induced Polarization Effects in Harmonic Generation. Physical Review Letters, 2000, 85, 732-735.	7.8	61
63	Circular dichroism from unpolarized atoms in multiphoton multicolor ionization. Physical Review A, 2000, 62, .	2.5	41
64	Photon-polarization effects and their angular dependence in relativistic two-photon bound-bound transitions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 4425-4446.	1.5	22
65	dc Field-Induced, Phase and Polarization Control of Interference between One- and Two-Photon Ionization Amplitudes. Physical Review Letters, 1999, 82, 4791-4794.	7.8	27
66	Elliptic dichroism and angular distribution of electrons in two-photon ionization of atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 3747-3767.	1.5	40
67	Invariant representations of finite rotation matrices and some applications. Physical Review A, 1998, 57, 3233-3244.	2.5	17
68	DC field-induced resonance and polarization effects in two-photon transitions between atomic states with different parity. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 2109-2117.	1.5	7
69	A new technique in the theory of angular distributions in atomic processes: the angular distribution of photoelectrons in single and double photoionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 2711-2737.	1.5	76
70	Atomic orientation effects in light scattering due to dissipative processes. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, L7-L12.	1.5	10
71	Vacuum polarization by a Coulomb field. Analytical approximation of the polarization potential. Journal of Physics B: Atomic, Molecular and Optical Physics, 1991, 24, 559-569.	1.5	39
72	Quasistationary quasi-energy states and convergence of perturbation series in a monochromatic field. Theoretical and Mathematical Physics(Russian Federation), 1981, 48, 815-822.	0.9	36

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73	Nonlinear variations in the Faraday effect caused in atomic systems by a strong magnetic field. Physical Review A, 1980, 21, 1589-1594.	2.5	5
74	Solving a certain differential equation in the theory of magnetic resonance. Radiophysics and Quantum Electronics, 1976, 19, 1330-1331.	0.5	0
75	Generation of optical harmonics in atoms. Soviet Journal of Quantum Electronics, 1975, 5, 22-26.	0.1	4
76	Changes in the polarization properties of an electromagnetic wave caused by atoms in external fields. Soviet Journal of Quantum Electronics, 1975, 5, 1055-1059.	0.1	3
77	Quasienergy of a System Subjected to a Periodic External Disturbance. Uspekhi Fizicheskikh Nauk, 1975, 18, 920-921.	0.3	10