

Wilhelm Becker

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1887391/wilhelm-becker-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

236
papers

10,313
citations

56
h-index

96
g-index

256
ext. papers

11,329
ext. citations

3.1
avg, IF

6.08
L-index

#	Paper	IF	Citations
236	High-order harmonic generation by aligned heteronuclear diatomic molecules in an orthogonally polarized two-color laser field. <i>European Physical Journal D</i> , 2021 , 75, 1	1.3	1
235	Electron dynamics in laser-driven atoms near the continuum threshold. <i>Optica</i> , 2021 , 8, 765	8.6	0
234	High-order harmonic generation by planar polyatomic molecules exposed to an orthogonally polarized two-color laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021 , 54, 134004	1.2	1
233	Symmetries and Selection Rules of the Spectra of Photoelectrons and High-Order Harmonics Generated by Field-Driven Atoms and Molecules. <i>Symmetry</i> , 2021 , 13, 1566	2.7	1
232	Application of the saddle-point method to strong-laser-field ionization. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020 , 53, 125201	2	7
231	Application of the Phase-Space Path Integral to Strong-Laser-Field-Assisted Electron-Ion Radiative Recombination: A Gauge-Covariant Formulation. <i>Symmetry</i> , 2020 , 12, 1606	2.7	0
230	High-order harmonic generation by bi-elliptical orthogonally polarized two-color fields. <i>Physical Review A</i> , 2020 , 102,	2.6	7
229	Generation of elliptically polarized soft x rays using high-order harmonic generation with orthogonal two-color laser fields. <i>Journal of Physics: Conference Series</i> , 2020 , 1508, 012001	0.3	2
228	Extracting photoelectron spectra from the time-dependent wave function: Comparison of the projection onto continuum states and window-operator methods. <i>Physical Review A</i> , 2020 , 102,	2.6	6
227	X-ray harmonic generation by orthogonally polarized two-color fields: Spectral shape and polarization. <i>Physical Review A</i> , 2019 , 100,	2.6	13
226	Strong-Field Ionization of Linear Molecules by a Bichromatic Elliptically Polarized Laser Field with Coplanar Counterrotating or Corotating Components of Different Frequencies. <i>Journal of Physics: Conference Series</i> , 2019 , 1206, 012003	0.3	2
225	Atom-Volkov strong-field approximation for above-threshold ionization. <i>Physical Review A</i> , 2019 , 99,	2.6	6
224	Quantum dynamics of atomic Rydberg excitation in strong laser fields. <i>Optics Express</i> , 2019 , 27, 31629-31643	3.5	11
223	Quantum sources in external fields. <i>Physica Scripta</i> , 2019 , 94, 023001	2.6	4
222	Channel-closing effects in strong-field ionization by a bicircular field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018 , 51, 054001	1.3	8
221	Strong-field ionization of linear molecules by a bicircular laser field: Symmetry considerations. <i>Physical Review A</i> , 2018 , 97,	2.6	10
220	Helicity asymmetry in strong-field ionization of atoms by a bicircular laser field. <i>Optics Express</i> , 2018 , 26, 12684-12697	3.3	9

219	The plateau in above-threshold ionization: the keystone of rescattering physics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018 , 51, 162002	1.3	30
218	Above-threshold ionization in a bicircular field: quantum orbits unfolding in a plane. <i>Journal of Physics: Conference Series</i> , 2017 , 826, 012008	0.3	
217	Atomic processes in bicircular fields. <i>Journal of Modern Optics</i> , 2017 , 64, 971-980	1.1	20
216	Quantum interference in laser-induced nonsequential double ionization. <i>Physical Review A</i> , 2017 , 96,	2.6	8
215	Electron Rescattering in a Bicircular Laser Field. <i>Journal of Physics: Conference Series</i> , 2017 , 826, 012009	0.3	1
214	Caustics and catastrophes in above-threshold ionization. <i>Physical Review A</i> , 2017 , 96,	2.6	7
213	Wavelength scaling of atomic nonsequential double ionization in intense laser fields. <i>Physical Review A</i> , 2017 , 95,	2.6	14
212	Laser-Induced Inelastic Diffraction from Strong-Field Double Ionization. <i>Physical Review Letters</i> , 2017 , 119, 243203	7.4	16
211	High-order harmonic generation in non-planar molecules driven by a bicircular field. <i>Molecular Physics</i> , 2017 , 115, 1750-1757	1.7	14
210	Coulomb focusing and defocusing in above-threshold-ionization spectra produced by strong mid-IR laser pulses. <i>Physical Review A</i> , 2016 , 93,	2.6	20
209	Controlling electron-ion rescattering in two-color circularly polarized femtosecond laser fields. <i>Physical Review A</i> , 2016 , 93,	2.6	84
208	Improved strong-field approximation and quantum-orbit theory: Application to ionization by a bicircular laser field. <i>Physical Review A</i> , 2016 , 93,	2.6	61
207	Unified description of low-order above-threshold ionization on and off axis. <i>Journal of Physics: Conference Series</i> , 2016 , 691, 012002	0.3	1
206	Atomic processes in bicircular fields. <i>Journal of Physics: Conference Series</i> , 2016 , 691, 012004	0.3	
205	Electron rescattering in a bicircular laser field. <i>Optics Express</i> , 2016 , 24, 6413-24	3.3	56
204	Above-threshold ionization for very low electron energy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 151001	1.3	26
203	Laser stripping of hydrogen atoms by direct ionization. <i>New Journal of Physics</i> , 2015 , 17, 053008	2.9	2
202	Off-axis low-energy structures in above-threshold ionization. <i>Physical Review A</i> , 2014 , 90,	2.6	50

201	Low-energy electron rescattering in laser-induced ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 204022	1.3	50
200	Quantum effects in double ionization of argon below the threshold intensity. <i>Physical Review Letters</i> , 2014 , 112, 073002	7.4	52
199	Resonancelike enhancement in high-order above-threshold ionization of molecules. <i>Physical Review A</i> , 2013 , 88,	2.6	32
198	Scaling of the low-energy structure in above-threshold ionization in the tunneling regime: theory and experiment. <i>Physical Review Letters</i> , 2013 , 110, 013001	7.4	57
197	Elliptical polarization favors long quantum orbits in high-order above-threshold ionization of noble gases. <i>Physical Review Letters</i> , 2013 , 110, 043002	7.4	27
196	Molecular above-threshold ionization with a circularly polarized laser field. <i>European Physical Journal D</i> , 2013 , 67, 1	1.3	10
195	Plasmon-Enhanced Second- and Third-Order Harmonic Generation in Spherical Free-Electron Nanoclusters with Diffuse Surface. <i>Contributions To Plasma Physics</i> , 2013 , 53, 662-696	1.4	2
194	Interference carpets in above-threshold ionization: from the Coulomb-free to the Coulomb-dominated regime. <i>Physical Review Letters</i> , 2012 , 108, 223601	7.4	70
193	High-order above-threshold ionization with few-cycle laser pulses: Molecular improved strong-field approximation vs. molecular low-frequency approximation. <i>Laser Physics</i> , 2012 , 22, 1819-1826	1.2	3
192	High-order above-threshold ionization of heteronuclear diatomic molecules by a strong laser field with arbitrary polarization. <i>Laser Physics</i> , 2012 , 22, 1827-1832	1.2	3
191	Theories of photoelectron correlation in laser-driven multiple atomic ionization. <i>Reviews of Modern Physics</i> , 2012 , 84, 1011-1043	40.5	349
190	Interference structure of above-threshold ionization versus above-threshold detachment. <i>New Journal of Physics</i> , 2012 , 14, 055019	2.9	33
189	Application of the dressed-bound-state molecular strong-field approximation to above-threshold ionization of heteronuclear molecules: NO vs. CO. <i>Journal of Chemical Physics</i> , 2012 , 137, 134307	3.9	14
188	Plateau structures in laser-assisted and laser-induced processes. <i>Physica Scripta</i> , 2012 , T149, 014043	2.6	1
187	Dressed-bound-state molecular strong-field approximation: Application to above-threshold ionization of heteronuclear diatomic molecules. <i>Physical Review A</i> , 2011 , 84,	2.6	28
186	High-order above-threshold ionisation of atoms and negative ions: channel-closing effects and the low-frequency approximation. <i>Journal of Modern Optics</i> , 2011 , 58, 1149-1157	1.1	16
185	Electron rescattering in above-threshold photodetachment of negative ions. <i>Physical Review Letters</i> , 2010 , 104, 103004	7.4	49
184	Strong-field electron spectra of rare-gas atoms in the rescattering regime: enhanced spectral regions and a simulation of the experiment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010 , 43, 015401	1.3	47

183	High-order harmonic generation in clusters irradiated by an infrared laser field of moderate intensity. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010 , 43, 105402	1.3	21
182	Low-frequency approximation for high-order above-threshold ionization. <i>Laser Physics</i> , 2010 , 20, 573-580.	1.2	15
181	High-order harmonic generation by an intense infrared laser pulse in the presence of a weak UV pulse. <i>Physical Review A</i> , 2010 , 81,	2.6	12
180	Linear and nonlinear light scattering and absorption in free-electron nanoclusters with diffuse surface: General considerations and linear response. <i>Physical Review A</i> , 2010 , 81,	2.6	8
179	Amplification of a high-frequency wave by IR-field-heated clusters. <i>Laser Physics Letters</i> , 2010 , 7, 440-449.	1.5	6
178	Multiphoton detachment from a zero-range potential revisited. <i>Optics Communications</i> , 2010 , 283, 850-854		
177	Laser absorption and third-harmonic generation in free-electron nanofilms. <i>Physical Review B</i> , 2009 , 79,	3.3	6
176	Two-source double-slit interference in angle-resolved high-energy above-threshold ionization spectra of diatoms. <i>Physical Review Letters</i> , 2009 , 103, 043001	7.4	77
175	Strong-field approximation for high-order above-threshold ionization of randomly oriented diatomic molecules. <i>Chemical Physics</i> , 2009 , 366, 85-90	2.3	12
174	New results in above-threshold ionization and high-order harmonic generation of atomic and molecular systems. <i>Laser Physics</i> , 2009 , 19, 185-190	1.2	14
173	A gauge-covariant derivation of the strong-field approximation. <i>Laser Physics</i> , 2009 , 19, 1621-1625	1.2	7
172	Capture into rydberg states and momentum distributions of ionized electrons. <i>Laser Physics</i> , 2009 , 19, 1550-1558	1.2	81
171	High-order above-threshold ionization beyond the first-order Born approximation. <i>Physical Review A</i> , 2009 , 79,	2.6	59
170	Atoms and Molecules in a Strong Laser Field. <i>Acta Physica Polonica A</i> , 2009 , 116, 516-518	0.6	2
169	Strong-field approximation for ionization of a diatomic molecule by a strong laser field. II. The role of electron rescattering off the molecular centers. <i>Physical Review A</i> , 2008 , 78,	2.6	64
168	Wavelength dependence of channel-closing enhancements in high-order above-threshold ionization and harmonic generation. <i>Journal of Modern Optics</i> , 2008 , 55, 2653-2663	1.1	23
167	Attosecond electron thermalization in laser-induced nonsequential multiple ionization: hard versus glancing collisions. <i>New Journal of Physics</i> , 2008 , 10, 025010	2.9	5
166	Many-electron strong-field physics. <i>Contemporary Physics</i> , 2008 , 49, 199-223	3.3	49

165	Ellipticity effects and the contributions of long orbits in nonsequential double ionization of atoms. <i>Physical Review A</i> , 2008 , 77,	2.6	58
164	Angle-resolved high-order above-threshold ionization of a molecule: sensitive tool for molecular characterization. <i>Physical Review Letters</i> , 2008 , 100, 203003	7.4	99
163	Angle-resolved high-order above-threshold ionization spectra for N ₂ and O ₂ : measurements and the strong-field approximation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008 , 41, 201004	1.3	38
162	Interference effects in above-threshold ionization from diatomic molecules: Determining the internuclear separation. <i>Physical Review A</i> , 2007 , 76,	2.6	38
161	Intensity-dependent enhancements in high-order above-threshold ionization. <i>Physical Review A</i> , 2007 , 76,	2.6	64
160	Dressed-state strong-field approximation for laser-induced molecular ionization. <i>Physical Review A</i> , 2007 , 76,	2.6	51
159	Above-threshold detachment by a two-color bicircular laser field. <i>Laser Physics Letters</i> , 2007 , 4, 279-286	1.5	48
158	Reconstruction of an arbitrarily polarized few-cycle laser pulse by two-dimensional streaking. <i>Laser Physics Letters</i> , 2007 , 4, 726-733	1.5	8
157	Gauge dependence of the strong-field approximation: Theory vs. experiment for photodetachment of F. <i>Optics Communications</i> , 2007 , 275, 116-122	2	17
156	Simulation of above-threshold ionization experiments using the strong-field approximation. <i>Laser Physics</i> , 2007 , 17, 376-389	1.2	55
155	Two-dimensional streaking: complete characterization of an arbitrarily polarized few-cycle laser pulse using a stereodetector technique. <i>Optics Letters</i> , 2007 , 32, 1372-4	3	5
154	S-Matrix Theory of Nonsequential Double Ionization. <i>Springer Series in Chemical Physics</i> , 2007 , 65-93	0.3	2
153	A method of carrier-envelope phase control for few-cycle laser pulses. <i>Laser Physics Letters</i> , 2006 , 3, 200-204	1.5	22
152	Third harmonic generation by small metal clusters in a dielectric medium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, 4933-4943	1.3	10
151	X-ray generation in laser-heated cluster beams. <i>Physical Review A</i> , 2006 , 74,	2.6	11
150	Classical aspects of laser-induced non-sequential double ionization above and below the threshold. <i>Journal of Modern Optics</i> , 2006 , 53, 193-206	1.1	8
149	On the validity of the strong field approximation and simple man's theory. <i>Journal of Modern Optics</i> , 2006 , 53, 135-147	1.1	33
148	Subcycle pulsed focused vector beams. <i>Physical Review Letters</i> , 2006 , 97, 253902	7.4	76

147	Above-threshold ionization by few-cycle pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, R203-R262	1.3	509
146	Quantum-orbit theory of high-order atomic processes in intense laser fields. <i>Journal of Modern Optics</i> , 2006 , 53, 125-134	1.1	64
145	High-order harmonic generation in a tightly focused laser beam. <i>Optics Letters</i> , 2006 , 31, 2163-5	3	21
144	Attosecond electron thermalization by laser-driven electron recollision in atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, L305-L311	1.3	32
143	Ionization by few-cycle pulses: Tracing the electron orbits. <i>Physical Review A</i> , 2005 , 71,	2.6	51
142	Attosecond double-slit experiment. <i>Physical Review Letters</i> , 2005 , 95, 040401	7.4	317
141	Attosecond pulse generation by bicircular fields: from pulse trains to a single pulse. <i>Journal of Modern Optics</i> , 2005 , 52, 233-241	1.1	35
140	Strong-field approximation for intense-laser-atom processes: The choice of gauge. <i>Physical Review A</i> , 2005 , 72,	2.6	142
139	Classical molecular-dynamics simulations of laser-irradiated clusters: Nonlinear electron dynamics and resonance-enhanced low-order harmonic generation. <i>Physical Review A</i> , 2005 , 71,	2.6	49
138	Collisionless heating of a nanoplasma in laser-irradiated clusters. <i>Laser Physics Letters</i> , 2005 , 2, 452-458	1.5	16
137	Classical modelling of the nonlinear properties of clusters in strong low-frequency laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, L175-L182	1.3	17
136	Landau damping in thin films irradiated by a strong laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, 4817-4830	1.3	24
135	Electron-electron dynamics in laser-induced nonsequential double ionization. <i>Physical Review A</i> , 2004 , 69,	2.6	80
134	Coulomb repulsion and quantum-classical correspondence in laser-induced nonsequential double ionization. <i>Physical Review A</i> , 2004 , 69,	2.6	41
133	X-ray emission by clusters in a strong electromagnetic field. <i>Physical Review A</i> , 2004 , 69,	2.6	14
132	High-energy above-threshold detachment from negative ions. <i>Physical Review A</i> , 2004 , 70,	2.6	62
131	Metering the absolute phase of a few-cycle pulse via its high-order above-threshold ionization spectrum. <i>Laser Physics Letters</i> , 2004 , 1, 93-99	1.5	27
130	Phase-Controlled Single-Cycle Strong-Field Photoionization. <i>Physica Scripta</i> , 2004 , 110, 120	2.6	15

129	Quantum Orbits: A Space-time Picture of Intense-Laser-Induced Processes in Atoms. <i>Physica Scripta</i> , 2003 , 68, C76-C81	2.6	1
128	High-order above-threshold ionization with few-cycle pulse: a meter of the absolute phase. <i>Optics Express</i> , 2003 , 11, 1418-29	3.3	110
127	Nonlinear excitation of the Mie resonance in a laser-irradiated cluster. <i>Optics Express</i> , 2003 , 11, 2433-9	3.3	23
126	Relativistic high-order harmonic generation. <i>Journal of Modern Optics</i> , 2003 , 50, 375-386	1.1	3
125	Laser-induced nonlinear excitation of collective electron motion in a cluster. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003 , 36, 3817-3834	1.3	63
124	A closer look at electron-electron correlation in laser-induced non-sequential double ionization. <i>Journal of Modern Optics</i> , 2003 , 50, 423-440	1.1	1
123	Direct and rescattered electrons in above-threshold detachment from negative ions. <i>Physical Review A</i> , 2003 , 68,	2.6	56
122	Classical cutoffs for laser-induced nonsequential double ionization. <i>Physical Review A</i> , 2003 , 68,	2.6	23
121	Quantum Orbits and Laser-Induced Nonsequential Double Ionization. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2003 , 185-204	0.4	
120	Auf Feynmans Quantenpfaden: Atome im intensiven Laserfeld. <i>Physik in Unserer Zeit</i> , 2002 , 33, 74-81	0.1	
119	Delay-dependent amplification of a probe pulse via stimulated Rayleigh scattering. <i>Physical Review Letters</i> , 2002 , 88, 213001	7.4	
118	Publisher's Note: Phase-Dependent Effects of a Few-Cycle Laser Pulse [Phys. Rev. Lett. 89, 153001 (2002)]. <i>Physical Review Letters</i> , 2002 , 89,	7.4	2
117	Phase-dependent effects of a few-cycle laser pulse. <i>Physical Review Letters</i> , 2002 , 89, 153001	7.4	108
116	Resonant enhancements of high-order harmonic generation. <i>Physical Review A</i> , 2002 , 65,	2.6	77
115	Nontunnelling high-order harmonics from ultra-intense laser-driven tightly bound systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002 , 35, 627-650	1.3	22
114	Quantum orbits: a space-time picture of intense-laser-induced processes in atoms. <i>Journal of Modern Optics</i> , 2002 , 49, 1987-1999	1.1	9
113	High-order above-threshold ionization: The uniform approximation and the effect of the binding potential. <i>Physical Review A</i> , 2002 , 66,	2.6	108
112	Role of long quantum orbits in high-order harmonic generation. <i>Physical Review A</i> , 2002 , 66,	2.6	144

111	Laser-induced recollision phenomena: interference resonances at channel closings. <i>Physical Review Letters</i> , 2002 , 89, 023001	7.4	74
110	Above-Threshold Ionization: From Classical Features to Quantum Effects. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2002 , 48, 35-98	1.7	585
109	Channel-closing effects in high-order above-threshold ionization and high-order harmonic generation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002 , 35, 217-232	1.3	121
108	Feynman's path-integral approach for intense-laser-atom interactions. <i>Science</i> , 2001 , 292, 902-5	33.3	533
107	Quantum Orbits in Intense-Laser Atom Physics. <i>Lecture Notes in Physics</i> , 2001 , 294-309	0.8	
106	Channel-closing-induced resonances in the above-threshold ionization plateau. <i>Physical Review A</i> , 2001 , 64,	2.6	109
105	High-efficiency high-order harmonic generation without tunneling. <i>Physical Review A</i> , 2001 , 64,	2.6	15
104	Electron-electron correlation in laser-induced nonsequential double ionization. <i>Physical Review A</i> , 2001 , 64,	2.6	64
103	Amplification of high-order harmonics in a short laser pulse by stimulated interaction. <i>Physical Review A</i> , 2001 , 64,	2.6	5
102	Nonsequential Double Ionization: A Minimal-Correlation Approach 2001 , 67-77		
101	The gain of high harmonics in an atomic jet and in a hollow-core fiber. <i>Optics Communications</i> , 2000 , 183, 289-297	2	5
100	Quantum path analysis of high-order above-threshold ionization. <i>Optics Communications</i> , 2000 , 179, 39-50		82
99	The Wigner function for tunneling in a uniform static electric field. <i>Optics Communications</i> , 2000 , 179, 29-38	2	32
98	Rescattering processes for elliptical polarization: A quantum trajectory analysis. <i>Physical Review Letters</i> , 2000 , 84, 3831-4	7.4	128
97	Generation of circularly polarized high-order harmonics by two-color coplanar field mixing. <i>Physical Review A</i> , 2000 , 61,	2.6	241
96	Above-threshold ionization by an elliptically polarized field: interplay between electronic quantum trajectories. <i>Physical Review Letters</i> , 2000 , 84, 3791-4	7.4	82
95	Collective multielectron tunneling ionization in strong fields. <i>Physical Review Letters</i> , 2000 , 84, 3550-3	7.4	78
94	Quantum-mechanical model for ultrahigh-order harmonic generation in the moderately relativistic regime. <i>Physical Review A</i> , 2000 , 63,	2.6	67

93	Routes to nonsequential double ionization. <i>Physical Review Letters</i> , 2000 , 85, 3781-4	7.4	176
92	Attosecond pulse trains with unusual nonlinear polarization. <i>Physical Review A</i> , 2000 , 62,	2.6	116
91	Interference in high-order above-threshold ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999 , 32, L419-L424	1.3	34
90	Time-frequency analysis of two-color high-harmonic generation. <i>Physical Review A</i> , 1999 , 60, 1377-1384	2.6	47
89	Schemes for the generation of circularly polarized high-order harmonics by two-color mixing. <i>Physical Review A</i> , 1999 , 60, 1721-1722	2.6	42
88	Model calculations of high-harmonic generation in molecular ions. <i>Physical Review A</i> , 1998 , 58, 4022-4038	2.6	91
87	Above-Threshold Ionization by an Elliptically Polarized Field: Quantum Tunneling Interferences and Classical Dodging. <i>Physical Review Letters</i> , 1998 , 80, 484-487	7.4	110
86	Three-dimensional tunneling in quantum ballistic motion. <i>American Journal of Physics</i> , 1998 , 66, 38-48	0.7	52
85	A unified theory of high-harmonic generation: Application to polarization properties of the harmonics. <i>Physical Review A</i> , 1997 , 56, 645-656	2.6	114
84	Nonperturbative Behavior of Higher-Harmonic Production in a Model Atom. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1997 , 52, 105-107	1.4	
83	Above-threshold ionization in the tunneling regime. <i>Physical Review A</i> , 1997 , 55, R4003-R4006	2.6	129
82	Dynamics of electronic wave packets in field emission and intense-field laser-atom physics. <i>Physical Review A</i> , 1996 , 54, R1022-R1025	2.6	27
81	Polarization-Dependent One- and Two-Color High-Harmonic Generation 1996 , 477-488		1
80	Quantum and Classical Mechanics of Rescattering Effects In High-Order Above-Threshold Ionization and High-Harmonic Generation 1996 , 109-121		
79	Driven particle in an infinite square well: Representation and breakdown of the invariant tori in a multiple-resonance case. <i>Physical Review E</i> , 1995 , 51, 1935-1947	2.4	5
78	Polarization-dependent high-order two-color mixing. <i>Physical Review A</i> , 1995 , 51, R3414-R3417	2.6	289
77	Model calculations of polarization-dependent two-color high-harmonic generation. <i>Physical Review A</i> , 1995 , 52, 2262-2278	2.6	214
76	Classical rescattering effects in two-color above-threshold ionization. <i>Physical Review A</i> , 1995 , 52, 4043-4053		92

75	Light at the end of the tunnel: two- and three-step models in intense-field laser-atom physics. <i>Quantum and Semiclassical Optics: Journal of the European Optical Society Part B</i> , 1995 , 7, 423-448		52
74	Keldysh-like expansion for above-threshold ionization. <i>Physical Review A</i> , 1994 , 49, 1131-1140	2.6	14
73	Modeling harmonic generation by a zero-range potential. <i>Physical Review A</i> , 1994 , 50, 1540-1560	2.6	239
72	Effects of rescattering on above-threshold ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1994 , 27, L325-L332	1.3	115
71	Rescattering effects in above-threshold ionization: a classical model. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1994 , 27, L703-L708	1.3	386
70	Interplay between above-threshold multiphoton detachment and higher-harmonic generation. <i>Physical Review A</i> , 1992 , 46, R5334-R5337	2.6	29
69	Quantum electrodynamics in intense laser fields. <i>Laser and Particle Beams</i> , 1991 , 9, 603-618	0.9	21
68	Hamiltonian Chaos in a Laser Damage Model 1991 , 43-57		
67	Polarization effects in two-colour photodetachment of negative ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1990 , 23, L753-L759	1.3	8
66	Short-range potential model for multiphoton detachment of the H- ion. <i>Physical Review A</i> , 1990 , 42, 4416-4419, 4419-4422		
65	Higher-harmonic production in a model atom with short-range potential. <i>Physical Review A</i> , 1990 , 41, 4112-4115	2.6	134
64	LASER ASSISTED ELECTRON EMISSION PROCESSES IN ATOMIC AND NUCLEAR PHYSICS. <i>Advances in Multi-photon Processes and Spectroscopy</i> , 1990 , 110-159		
63	Total multiphoton-ionization rates for an extremely short-ranged potential. <i>Physical Review A</i> , 1989 , 40, 6904-6912	2.6	45
62	Testing the photon-photon sector of quantum electrodynamics with free-electron lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1989 , 6, 1083	1.7	12
61	Madey's theorems for free-electron devices, spontaneous emission, and applications. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1988 , 7, 353-372		11
60	Scattering of light by light: Possible experimental detection. <i>Physical Review A</i> , 1988 , 38, 4891-4894	2.6	10
59	Low-frequency spontaneous radiation in a free-electron laser in the trapped regime. <i>Physical Review A</i> , 1988 , 37, 2502-2510	2.6	3
58	Theory of a correlated-emission free-electron laser. <i>Physical Review A</i> , 1987 , 36, 1310-1315	2.6	3

57	Squeezing of the cavity vacuum by charged particles. <i>Physical Review A</i> , 1987 , 36, 2167-2170	2.6	7
56	Role of final-state effects in above-threshold ionization. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1987 , 4, 743	1.7	20
55	Many-particle quantum theory for a class of free-electron devices. <i>Physics Reports</i> , 1987 , 154, 205-245	27.7	7
54	Laser induced damage threshold derived from chaotic electron dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987 , 121, 286-292	2.3	4
53	Effect of amplitude fluctuations on the dynamics of the degenerate parametric amplifier. <i>Optics Communications</i> , 1986 , 59, 395-398	2	1
52	Off-axis gain enhancement in a free-electron laser in the long undulator regime. <i>Optics Communications</i> , 1986 , 60, 232-238	2	1
51	Final-state effects in above-threshold ionisation. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1986 , 19, L785-L792		61
50	Laser-assisted tunnelling. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1986 , 19, 2589-2597		8
49	Intrinsic linewidth of a free-electron laser. <i>Physical Review A</i> , 1986 , 33, 2174-2176	2.6	18
48	Stochastic averaging by functional differentiation. <i>Journal of Mathematical Physics</i> , 1986 , 27, 991-995	1.2	1
47	On a theorem concerning the enhancement of nuclear decays by intense radiation fields. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985 , 107, 424-428	2.3	
46	On the equivalence of the rE and the pA interaction hamiltonian. <i>Optics Communications</i> , 1985 , 56, 107-111	2.11	9
45	Quantum mechanical description of shot noise using the example of the free-electron laser. <i>Optics Communications</i> , 1985 , 53, 39-42	2	5
44	Comment on "Correspondence principle in free-electron lasers". <i>Physical Review A</i> , 1985 , 31, 4033-4035	2.6	
43	Spontaneous emission in a free-electron laser with a discrete taper. <i>Journal of Applied Physics</i> , 1985 , 58, 3016-3021	2.5	2
42	Classical theory of stimulated C. <i>Physical Review A</i> , 1985 , 31, 783-789	2.6	7
41	Relativistic charged-particle interactions in a chaotic laser field. <i>Physical Review A</i> , 1984 , 30, 2245-2255	2.6	6
40	Comment on enhancement of forbidden nuclear beta decay by high-intensity radio-frequency fields. <i>Physical Review C</i> , 1984 , 29, 1124-1131	2.7	5

39	Comment on "Effects of Relative Energy Contributions in a Two-Interaction Transition". <i>Physical Review Letters</i> , 1984 , 52, 2094-2094	7.4	3
38	A no-go theorem concerning the enhancement of nuclear decays by intense radiation fields. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1984 , 101, 58-60	2.3	7
37	Laser-induced nuclear anti-Stokes transitions revisited. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1984 , 106, 441-445	2.3	18
36	Forbidden nuclear decay in an intense plane-wave field. <i>Nuclear Physics A</i> , 1984 , 426, 125-136	1.3	16
35	Quantum Statistical Properties of Radiation in a Free-Electron Laser 1984 , 811-818		
34	Allowed Nuclear Beta Decay in an Intense Laser Field. <i>NATO ASI Series Series B: Physics</i> , 1984 , 145-178		
33	Photon Statistics of the Free-Electron Laser Start Up 1984 , 819-820		
32	A note on total cross sections and decay rates in the presence of a laser field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983 , 94, 131-134	2.3	17
31	Photon statistics of the free-electron-laser startup. <i>Physical Review A</i> , 1983 , 28, 1838-1840	2.6	38
30	Fully quantized many-particle theory of a free-electron laser. <i>Physical Review A</i> , 1983 , 27, 1030-1043	2.6	56
29	Nuclear spectroscopy with X-ray lasers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983 , 131, 16-20	4.2	12
28	Photon statistics of a free-electron laser. <i>Physical Review A</i> , 1982 , 25, 2200-2207	2.6	49
27	Becker et al. Respond.:. <i>Physical Review Letters</i> , 1982 , 48, 653-654	7.4	3
26	Generation of Squeezed Coherent States via a Free-Electron Laser. <i>Physical Review Letters</i> , 1982 , 48, 475-477	7.4	70
25	Quantum theory of stimulated brekrov radiation. <i>Physical Review A</i> , 1982 , 25, 956-963	2.6	24
24	Free electron laser. <i>Applied Physics B: Lasers and Optics</i> , 1982 , 28, 150-154	1.9	
23	The gain-spread relation in a multiphoton picture of the free electron laser. <i>Optics Communications</i> , 1981 , 36, 64-68	2	3
22	Increasing the frequency of a free electron laser by means of a linearly polarized magnetic field. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1981 , 42, 87-94		11

21	Laser Enhancement of Nuclear Decay. <i>Physical Review Letters</i> , 1981 , 47, 1262-1266	7.4	22
20	What is left from stimulated electromagnetic shock radiation. A quantum approach. <i>Physical Review A</i> , 1981 , 23, 2381-2393	2.6	6
19	Multiphoton analysis of the free electron laser. <i>Optics Communications</i> , 1980 , 33, 69-74	2	28
18	Quantum theory of a free electron laser for strong fields. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1980 , 38, 287-292		9
17	Saturation behaviour of the free electron laser from barrier reflection. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1979 , 74, 66-68	2.3	7
16	Quantum theory of a free electron laser. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1979 , 35, 399-404		16
15	On systems of periodic differential equations. <i>Letters in Mathematical Physics</i> , 1979 , 3, 249-253	1.2	1
14	Motion of relativistic particles in standing-wave fields. II. Particles with spin. <i>Journal of Physics A</i> , 1979 , 12, 2407-2413		3
13	Motion of relativistic particles in standing wave fields. <i>Journal of Physics A</i> , 1979 , 12, 799-809		7
12	On the frequency of a free-electron laser. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1978 , 65, 317-318	2.3	4
11	Comment on the quasienergy of a two-level system in a monochromatic field. <i>Physical Review A</i> , 1978 , 18, 1748-1750	2.6	3
10	Difficulties with the S matrix in supergravity. <i>Physical Review D</i> , 1978 , 18, 611-612	4.9	
9	On the evaluation of Dirac traces. <i>Journal of Physics A</i> , 1977 , 10, 125-128		
8	Relativistic charged particles in the field of an electromagnetic plane wave in a medium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1977 , 87, 601-613	3.3	25
7	Solutions of higher-spin wave equations in external electromagnetic plane-wave fields. <i>Journal of Physics A</i> , 1976 , 9, 149-157		3
6	Modification of the quasi-levels of an electron in a laser field due to radiative corrections. <i>Journal of Physics A</i> , 1976 , 9, 2171-2184		19
5	Vacuum polarization in laser fields. <i>Journal of Physics A</i> , 1975 , 8, 1638-1657		61
4	Propagation of nucleons in laser fields. <i>Journal of Physics A</i> , 1975 , 8, 160-170		4

- 3 High intensity Compton scattering off particles with anomalous magnetic moment. *Journal of Physics A*, **1975**, 8, 1480-1488 2
- 2 Relativistic theory of nucleons in laser fields. *Journal of Physics A: Mathematical Nuclear and General*, **1974**, 7, 1266-1273 12
- 1 Crossing and unitarity in the context of the Bethe-Salpeter equation **1972**, 10, 343-361 1