

Joachim BurgdÄrfer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3103651/publications.pdf>

Version: 2024-02-01

243
papers

8,505
citations

41258

49
h-index

56606

83
g-index

249
all docs

249
docs citations

249
times ranked

6616
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic-Field Effect in High-Order Above-Threshold Ionization. <i>Physical Review Letters</i> , 2022, 128, 023201.	2.9	15
2	Signatures of stabilization in the angle-resolved photoemission by an ultrashort intense XUV laser pulse. <i>Physical Review A</i> , 2022, 105, .	1.0	8
3	Towards the complete phase profiling of attosecond wave packets. <i>Physical Review Research</i> , 2021, 3, .	1.3	7
4	Enhancing Autler-Townes splittings by ultrafast XUV pulses. <i>Physical Review Research</i> , 2021, 3, .	1.3	12
5	60 years of attosecond physics at ICPEAC: from collisions to ultrashort pulses. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 022001.	0.3	2
6	Theory of Subcycle Linear Momentum Transfer in Strong-Field Tunneling Ionization. <i>Physical Review Letters</i> , 2020, 125, 073202.	2.9	42
7	Angle-resolved time delays for shake-up ionization of helium. <i>Physical Review A</i> , 2020, 102, .	1.0	7
8	Band Nesting in Two-Dimensional Crystals: An Exceptionally Sensitive Probe of Strain. <i>Nano Letters</i> , 2020, 20, 4242-4248.	4.5	30
9	Theory of bound-state coherences generated and probed by optical attosecond pulses. <i>Physical Review A</i> , 2020, 101, .	1.0	10
10	Two-Electron Interference in Strong-Field Ionization of He by a Short Intense Extreme Ultraviolet Laser Pulse. <i>Physical Review Letters</i> , 2020, 124, 043203.	2.9	26
11	Attosecond optoelectronic field measurement in solids. <i>Nature Communications</i> , 2020, 11, 430.	5.8	81
12	Time delays from one-photon transitions in the continuum. <i>Optica</i> , 2020, 7, 154.	4.8	57
13	High-order phase measurements of attosecond wave packets. , 2020, , .		0
14	Time delays from one-photon transitions in the continuum. , 2020, , .		0
15	Time delays from one-photon transitions in the continuum. , 2020, , .		0
16	Theory of Subcycle Linear Momentum Transfer in Strong-Field Tunneling Ionization. , 2020, , .		0
17	Incorporating decoherence into solid-state time-dependent density functional theory. <i>Physical Review B</i> , 2019, 99, .	1.1	22
18	Roadmap on photonic, electronic and atomic collision physics: I. Light-matter interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 171001.	0.6	52

#	ARTICLE	IF	CITATIONS
19	Localized Intervalley Defect Excitons as Single-Photon Emitters in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{WSe} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle$ Physical Review Letters, 2019, 123, 146401.	2.9	82
20	Two-color phase-controlled photoemission from a zero-dimensional nanostructure. EPJ Web of Conferences, 2019, 205, 05004.	0.1	0
21	Polarization tagging of two-photon double ionization by elliptically polarized XUV pulses. Physical Review A, 2019, 99, .	1.0	11
22	<i>Ab initio</i> multiscale simulation of high-order harmonic generation in solids. Physical Review A, 2018, 97, .	1.0	137
23	Accurate modeling of defects in graphene transport calculations. Physical Review B, 2018, 97, .	1.1	18
24	Large tunable valley splitting in edge-free graphene quantum dots on boron nitride. Nature Nanotechnology, 2018, 13, 392-397.	15.6	58
25	Topologically Nontrivial Valley States in Bilayer Graphene Quantum Point Contacts. Physical Review Letters, 2018, 121, 257702.	2.9	39
26	Frustrated Double Ionization of Argon Atoms. , 2018, , .		0
27	Dynamic interference as signature of atomic stabilization. Optics Express, 2018, 26, 19921.	1.7	34
28	Attosecond physics phenomena at nanometric tips. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 172001.	0.6	88
29	High visibility in two-color above-threshold photoemission from tungsten nanotips in a coherent control scheme. Journal of Modern Optics, 2017, 64, 1054-1060.	0.6	22
30	High-harmonic generation in graphene: Interband response and the harmonic cutoff. Physical Review B, 2017, 95, .	1.1	55
31	High-harmonic spectra from time-dependent two-particle reduced-density-matrix theory. Physical Review A, 2017, 95, .	1.0	28
32	Long-time expansion of a Bose-Einstein condensate: Observability of Anderson localization. Physical Review A, 2017, 96, .	1.0	12
33	Localizing high-lying Rydberg wave packets with two-color laser fields. Physical Review A, 2017, 96, .	1.0	27
34	Watching the emergence of a Fano resonance in doubly excited helium. Journal of Physics: Conference Series, 2017, 875, 012010.	0.3	2
35	Observing electron-correlation features in two-photon double ionization of helium. Physical Review A, 2017, 96, .	1.0	4
36	Time-Dependent Two-Particle Reduced Density Matrix Theory: Application to High-Harmonic Generation. Journal of Physics: Conference Series, 2017, 875, 022032.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Localizing high-lying Rydberg wave packets by orthogonally-polarized two-color laser pulses. , 2017, , .		0
38	Localizing High-Lying Rydberg Wave Packets with Orthogonally-Polarized Two-Color Laser Fields. Journal of Physics: Conference Series, 2017, 875, 022016.	0.3	0
39	Time-Dependent Two-Particle Reduced Density Matrix Theory: Application to High-Harmonic Generation. Journal of Physics: Conference Series, 2017, 875, 012011.	0.3	0
40	Transport through graphene nanoribbons: Suppression of transverse quantization by symmetry breaking. Physica Status Solidi (B): Basic Research, 2016, 253, 2366-2372.	0.7	4
41	Time-dependent complete-active-space self-consistent-field method for atoms: Application to high-order harmonic generation. Physical Review A, 2016, 94, .	1.0	73
42	Nonlinear response of graphene to a few-cycle terahertz laser pulse: Role of doping and disorder. Physical Review B, 2016, 94, .	1.1	32
43	Electrostatically Confined Monolayer Graphene Quantum Dots with Orbital and Valley Splittings. Nano Letters, 2016, 16, 5798-5805.	4.5	93
44	Coincidence spectroscopy of high-lying Rydberg states produced in strong laser fields. Physical Review A, 2016, 94, .	1.0	39
45	Two-Color Coherent Control of Femtosecond Above-Threshold Photoemission from a Tungsten Nanotip. Physical Review Letters, 2016, 117, 217601.	2.9	73
46	Coincidence Spectroscopy of High-Lying Rydberg States with a Reaction Microscope. , 2016, , .		0
47	Laser-sub-cycle Fragmentation Dynamics of Argon Dimers. , 2016, , .		0
48	Application of norm-conserving pseudopotentials to intense laser-matter interactions. Physical Review A, 2015, 92, .	1.0	16
49	Protocol for observing molecular dipole excitations by attosecond self-streaking. Physical Review A, 2015, 92, .	1.0	4
50	<i>Ab initio</i> perspective on the Mollwo-Ivey relation for F centers in alkali halides. Physical Review B, 2015, 92, .		17
51	Anomalous Fano Profiles in External Fields. Physical Review Letters, 2015, 115, 243001.	2.9	16
52	Attosecond chronoscopy of photoemission. Reviews of Modern Physics, 2015, 87, 765-802.	16.4	326
53	Observation of High-Lying Rydberg States Survived from Strong Field Interaction. , 2015, , .		0
54	Signatures of tunneling and multiphoton ionization by short-laser pulses: The partial-wave distribution. Journal of Physics: Conference Series, 2015, 635, 012003.	0.3	4

#	ARTICLE	IF	CITATIONS
55	High-Lying Rydberg States from Strong Field Interaction. Journal of Physics: Conference Series, 2015, 635, 092084.	0.3	0
56	Controlling ultrafast currents by the nonlinear photogalvanic effect. New Journal of Physics, 2015, 17, 123026.	1.2	22
57	The time-dependent two-particle reduced density matrix method: LiH in strong laser fields. Journal of Physics: Conference Series, 2015, 635, 112084.	0.3	1
58	Propagating two-particle reduced density matrices without wave functions. Physical Review A, 2015, 91, .	1.0	38
59	Probing time-ordering in two-photon double ionization of helium on the attosecond time scale. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 061002.	0.6	13
60	Large optical field enhancement for nanotips with large opening angles. New Journal of Physics, 2015, 17, 063010.	1.2	62
61	Formation of very-low-energy states crossing the ionization threshold of argon atoms in strong mid-infrared fields. Physical Review A, 2014, 90, .	1.0	67
62	Time delays for attosecond streaking in photoionization of neon. Physical Review A, 2014, 89, .	1.0	73
63	What will it take to observe processes in 'real time'?. Nature Photonics, 2014, 8, 162-166.	15.6	220
64	Interaction of ultrashort laser pulses with condensed matter: Dielectrics and nanotips. , 2014, , .		0
65	Simulation of Electrical Currents Induced by Ultrafast Laser Excitation of Dielectric Materials. Physical Review Letters, 2014, 113, 087401.	2.9	100
66	Attosecond streaking of Cohen-Fano interferences in the photoionization of H^+ . Physical Review A, 2014, 90, .	1.0	31
67	Photovoltaic Effect in an Electrically Tunable van der Waals Heterojunction. Nano Letters, 2014, 14, 4785-4791.	4.5	943
68	A comparison of singlet and triplet states for one- and two-dimensional graphene nanoribbons using multireference theory. Theoretical Chemistry Accounts, 2014, 133, 1.	0.5	56
69	Interference of electron wave packets in atomic ionization by subcycle sculpted laser pulses. Physical Review A, 2014, 89, .	1.0	42
70	F^+ center in lithium fluoride revisited: Comparison of solid-state physics and quantum-chemistry approaches. Physical Review B, 2014, 89, .	1.1	43
71	Elastic scattering of a Bose-Einstein condensate at a potential landscape. Journal of Physics: Conference Series, 2014, 488, 012032.	0.3	11
72	Interaction of charged particles with insulating capillary targets – The guiding effect. Progress in Surface Science, 2013, 88, 237-278.	3.8	70

#	ARTICLE	IF	CITATIONS
73	Time-resolved photoemission on the attosecond scale: opportunities and challenges. Faraday Discussions, 2013, 163, 353.	1.6	90
74	The Multiradical Character of One- and Two-Dimensional Graphene Nanoribbons. Angewandte Chemie - International Edition, 2013, 52, 2581-2584.	7.2	197
75	Semiclassical wave functions for open quantum billiards. Physical Review E, 2013, 88, 022916.	0.8	11
76	Classical-quantum correspondence in atomic ionization by midinfrared pulses: Multiple peak and interference structures. Physical Review A, 2013, 87, .	1.0	35
77	Photoionization of helium by attosecond pulses: Extraction of spectra from correlated wave functions. Physical Review A, 2013, 87, .	1.0	60
78	Probing the influence of the Coulomb field on atomic ionization by sculpted two-color laser fields. New Journal of Physics, 2013, 15, 043050.	1.2	24
79	Attosecond physics at a nanoscale metal tip. EPJ Web of Conferences, 2013, 41, 01005.	0.1	0
80	Quantum phase-space analysis of electronic rescattering dynamics in intense few-cycle laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 055002.	0.6	22
81	Interaction of ultrashort laser pulses with metal nanotips: a model system for strong-field phenomena. New Journal of Physics, 2012, 14, 085019.	1.2	60
82	Attosecond Streaking of Correlated Two-Electron Transitions in Helium. Physical Review Letters, 2012, 108, 163001.	2.9	104
83	Low-energy peak structure in strong-field ionization by midinfrared laser pulses: Two-dimensional focusing by the atomic potential. Physical Review A, 2012, 85, .	1.0	64
84	Doubly-differential intracycle interference in above threshold photoionization. Journal of Physics: Conference Series, 2012, 388, 032024.	0.3	0
85	Nanomelting and track formation in insulators by swift heavy ions. Journal of Physics: Conference Series, 2012, 388, 132012.	0.3	0
86	Quantum Control of Electron Wavepacket Dynamics in Molecules by Trains of Half-Cycle Pulses. Journal of Physics: Conference Series, 2012, 388, 012033.	0.3	0
87	Wave chaos as signature for depletion of a Bose-Einstein condensate. Physical Review A, 2012, 86, .	1.0	46
88	Electron emission in laser-nanotip interaction. Journal of Physics: Conference Series, 2012, 388, 132018.	0.3	0
89	Electron rescattering at metal nanotips induced by ultrashort laser pulses. Physical Review B, 2012, 86, .	1.1	68
90	Attosecond Probe of Valence-Electron Wave Packets by Subcycle Sculpted Laser Fields. Physical Review Letters, 2012, 108, 193004.	2.9	131

#	ARTICLE	IF	CITATIONS
91	Doubly differential diffraction at a time grating in above-threshold ionization: Intracycle and intercycle interferences. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 24-30.	0.6	46
92	Attosecond wavefunction retrieval by electron wavepacket interferometry. , 2012, , .		0
93	Attosecond Strong-field Electron Wavepacket Interferometry. , 2012, , .		0
94	Quantum control of electron wave packets in bound molecules by trains of half-cycle pulses. Physical Review A, 2011, 84, .	1.0	10
95	Time-dependent electronic dynamics in atoms, molecules, and solids probed by ultrashort pulses. , 2011, , .		0
96	Recent Advances in Computational Methods for the Solution of the Time-Dependent Schrödinger Equation for the Interaction of Short, Intense Radiation with One and Two Electron Systems. , 2011, , 149-208.		6
97	Wave chaos in the nonequilibrium dynamics of the Gross-Pitaevskii equation. Physical Review A, 2011, 83, .	1.0	30
98	Measuring the influence of the Coulomb binding potential on the trajectories of strong-field driven electronic wave packets. , 2011, , .		0
99	Controlling and reading interference structures created by strong field ionizing attosecond electron wave packets. , 2011, , .		0
100	Transport through open quantum dots: Making semiclassics quantitative. Physical Review B, 2010, 81, .	1.1	11
101	Diffraction at a time grating in above-threshold ionization: The influence of the Coulomb potential. Physical Review A, 2010, 82, .	1.0	63
102	Intracycle and intercycle interferences in above-threshold ionization: The time grating. Physical Review A, 2010, 81, .	1.0	153
103	Probing Decoherence through Fano Resonances. Physical Review Letters, 2010, 105, 056801.	2.9	63
104	Intracycle Interference in Above-Threshold Ionization. , 2010, , .		0
105	Vanishing gap in LiF for electronic excitations by slow antiprotons. Physical Review B, 2009, 79, .	1.1	9
106	Quantum control of electron localization in molecules driven by trains of half-cycle pulses. New Journal of Physics, 2009, 11, 105035.	1.2	22
107	Graphene quantum dots: Beyond a Dirac billiard. Physical Review B, 2009, 79, .	1.1	170
108	Wavelength dependent channel-closing enhancements in multi-photon ionization. Journal of Physics: Conference Series, 2009, 194, 022037.	0.3	0

#	ARTICLE	IF	CITATIONS
109	Coulomb-Volkov approximation for near-threshold ionization by short laser pulses. Physical Review A, 2008, 77, .	1.0	102
110	Excitation energy and pair correlation function of trions near an LiF surface. Physical Review B, 2008, 78, .	1.1	3
111	Effect of pulse duration on the x-ray emission from Ar clusters in intense laser fields. Physical Review A, 2008, 78, .	1.0	30
112	Diffractive paths for weak localization in quantum billiards. Physical Review B, 2008, 77, .	1.1	13
113	Sub-Poissonian angular momentum distribution near threshold in atomic ionization by short laser pulses. Physical Review A, 2008, 78, .	1.0	60
114	Occupation of fine-structure states in electron capture and transport. Physical Review A, 2008, 77, .	1.0	2
115	Quantum path interference in the wavelength dependence of high-harmonic generation. , 2008, , .		1
116	Electron Emission from Insulators Irradiated by Slow Highly Charged Ions. E-Journal of Surface Science and Nanotechnology, 2008, 6, 54-59.	0.1	23
117	Determination of Compton profiles at solid surfaces from first-principles calculations. Physical Review B, 2007, 75, .	1.1	6
118	Electron capture and electron transport by fast ions penetrating solids: An open quantum system approach with sources and sinks. Physical Review A, 2007, 75, .	1.0	18
119	Statistics of transmission eigenvalues in two-dimensional quantum cavities: Ballistic versus stochastic scattering. Physical Review B, 2007, 75, .	1.1	12
120	Shot noise in transport through quantum dots: ballistic versus diffractive scattering. , 2007, , .		0
121	Total and angular differential cross sections of electrons emitted in collision between antiprotons and helium atoms. Radiation Physics and Chemistry, 2007, 76, 495-498.	1.4	7
122	Shot noise in transport through quantum dots: Clean versus disordered samples. Journal of Computational Electronics, 2007, 6, 109-111.	1.3	0
123	Theoretical Concepts and Methods for Electron Emission from Solid Surfaces. , 2007, , 1-38.		4
124	Calculating state-to-state transition probabilities within time-dependent density-functional theory. Physical Review A, 2006, 74, .	1.0	27
125	Interaction of ultra-short laser pulses with clusters: short-time dynamics of a nano-plasma. AIP Conference Proceedings, 2006, , .	0.3	2
126	Non-retracing orbits in Andreev billiards. Physical Review B, 2006, 73, .	1.1	5

#	ARTICLE	IF	CITATIONS
127	Comment on "Dynamic range of nanotube- and nanowire-based electromechanical systems" [Appl. Phys. Lett. 86, 223105 (2005)]. Applied Physics Letters, 2006, 88, 036101.	1.5	4
128	Laser-Cluster Interaction: X-Ray Production by Short Laser Pulses. Physical Review Letters, 2006, 96, 013203.	2.9	50
129	Time double-slit interferences in strong-field tunneling ionization. Physical Review A, 2006, 74, .	1.0	87
130	Classical dynamics of enhanced low-energy electron-ion recombination in storage rings. Physical Review A, 2006, 74, .	1.0	14
131	Angular distribution in two-photon double ionization of helium by intense attosecond soft-x-ray pulses. Physical Review A, 2006, 73, .	1.0	39
132	Fano resonances and decoherence in transport through quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 325-333.	1.3	16
133	Non-unitary master equation for the internal state of ions traversing solids. Nuclear Instruments & Methods in Physics Research B, 2005, 230, 7-11.	0.6	1
134	Cluster-laser interaction: fast production of hot electrons by short laser pulses. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 210-215.	0.6	1
135	Enhancement of low energy electron-ion recombination in a magnetic field: Influence of transient field effects. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 290-295.	0.6	2
136	Single and double ionization of helium in heavy-ion impact. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 1001-1013.	0.6	11
137	Chaotic-to-regular crossover of shot noise in mesoscopic conductors. AIP Conference Proceedings, 2005, , .	0.3	0
138	Simulation of electron transport through a quantum dot with soft walls. Physical Review B, 2005, 72, .	1.1	28
139	Time Resolved Fano Resonances. Physical Review Letters, 2005, 94, 023002.	2.9	140
140	Shot Noise in the Chaotic-to-Regular Crossover Regime. Physical Review Letters, 2005, 94, 216801.	2.9	31
141	Pseudopath semiclassical approximation to transport through open quantum billiards: Dyson equation for diffractive scattering. Physical Review E, 2005, 72, 036223.	0.8	13
142	Nonunitary quantum trajectory Monte Carlo method for open quantum systems. Physical Review A, 2005, 71, .	1.0	8
143	Enhancement of Low Energy Electron-Ion Recombination in a Magnetic Field: Influence of Transient Field Effects. Physical Review Letters, 2005, 95, 243201.	2.9	19
144	Multi-electron dynamics for neutralization of highly charged ions near surfaces. Vacuum, 2004, 73, 3-7.	1.6	6

#	ARTICLE	IF	CITATIONS
145	Enhancement of Low-Energy Electron Ion Recombination in a Magnetic Field. <i>Hyperfine Interactions</i> , 2003, 146/147, 13-17.	0.2	7
146	Quantum-trajectory Monte Carlo method for internal-state evolution of fast ions traversing amorphous solids. <i>Physical Review A</i> , 2003, 67, .	1.0	23
147	Interaction of highly charged ions with insulator surfaces at low velocities: Estimates for Auger rates. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 205, 690-699.	0.6	6
148	Quantum trajectory Monte Carlo method describing the coherent dynamics of highly charged ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 205, 818-825.	0.6	0
149	Quantum localization in the three-dimensional kicked Rydberg atom. <i>Physical Review A</i> , 2003, 68, .	1.0	19
150	Liouville master equation for multielectron dynamics: Neutralization of highly charged ions near a LiF surface. <i>Physical Review A</i> , 2003, 67, .	1.0	30
151	Potential-energy surfaces for charge exchange between singly charged ions and a LiF surface. <i>Physical Review A</i> , 2003, 68, .	1.0	8
152	Semiclassical theory for transmission through open billiards: Convergence towards quantum transport. <i>Physical Review E</i> , 2003, 67, 016206.	0.8	20
153	Quantum transport of the internal state of Kr ³⁵⁺ ions through amorphous carbon foils. <i>Physical Review A</i> , 2002, 65, .	1.0	11
154	Quantum localization in the high-frequency limit. <i>Physical Review A</i> , 2002, 66, .	1.0	7
155	Evidence of collisional coherences in the transport of hydrogenic krypton through amorphous carbon foils. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 193, 79-84.	0.6	1
156	Atomic Scattering at Surfaces. , 2002, , 1081-1098.		1
157	Vertical incidence of slow Ne ¹⁰⁺ ions on an LiF surface: Suppression of the trampoline effect. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001, 182, 36-40.	0.6	7
158	Siegert-pseudostate representation of quantal time evolution: A harmonic oscillator kicked by periodic pulses. <i>Physical Review A</i> , 2001, 63, .	1.0	19
159	Half-collision model for triple photoionization of lithium. <i>Physical Review A</i> , 2001, 63, .	1.0	32
160	Half-collision model for multiple ionization by photon impact. <i>Physical Review A</i> , 2001, 64, .	1.0	38
161	Modular recursive Green's function method for ballistic quantum transport. <i>Physical Review B</i> , 2000, 62, 1950-1960.	1.1	94
162	Group-theoretical approach to final-state angular correlations in double photoionization of helium. <i>Physical Review A</i> , 1999, 59, 2738-2743.	1.0	6

#	ARTICLE	IF	CITATIONS
163	Gauge-invariant theory for semiclassical magnetotransport through ballistic microstructures. Physical Review B, 1999, 59, 2956-2967.	1.1	18
164	Double photoionization of helium from threshold to high energies. Physical Review A, 1998, 57, R1489-R1492.	1.0	45
165	Oscillations in the magnetoconductance autocorrelation function for ballistic microstructures. Physical Review B, 1998, 57, 9875-9878.	1.1	4
166	Excitation - ionization by photoabsorption at low and intermediate energies. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, L523-L529.	0.6	14
167	One- and two-electron emission from by high-energy photons. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, L689-L695.	0.6	8
168	Geometry-dependent scattering through Ballistic microstructures: Semiclassical theory beyond the stationary-phase approximation. Physical Review B, 1997, 56, 7589-7597.	1.1	48
169	Above-surface neutralization of slow highly charged ions in front of ionic crystals. Physical Review A, 1997, 55, 2097-2108.	1.0	74
170	Atomic resonances of hydrogen near aluminum surfaces:mAdiabatic evolution of the ground state. Physical Review A, 1997, 55, 466-478.	1.0	58
171	Periodic orbit spectra of simple atoms. , 1997, , 304-338.		3
172	Theoretical description of fast kinetic electron emission in ion-surface collisions. Physical Review A, 1997, 55, 450-465.	1.0	38
173	On the utility of atomic collision physics. Nuclear Instruments & Methods in Physics Research B, 1997, 124, 151-159.	0.6	1
174	Solid-state effects in electron emission from atomic collisions near surfaces. Nuclear Instruments & Methods in Physics Research B, 1997, 124, 320-326.	0.6	0
175	Energy gain of highly charged ions in front of LiF. Nuclear Instruments & Methods in Physics Research B, 1997, 125, 133-137.	0.6	9
176	Adiabatic evolution of the H(1s) resonance near an aluminium surface. Nuclear Instruments & Methods in Physics Research B, 1996, 115, 152-156.	0.6	8
177	Transport of fast electrons near surfaces. Nuclear Instruments & Methods in Physics Research B, 1996, 115, 233-236.	0.6	1
178	Periodic-orbit spectra of hydrogen and helium. Physical Review A, 1996, 54, 1922-1935.	1.0	7
179	Above-surface potential sputtering of protons by highly charged ions. Physical Review A, 1996, 54, 4140-4144.	1.0	39
180	Simulation of excited-state formation of hydrogen in transmission of relativisticH ⁺ ions through thin foils. Physical Review A, 1996, 53, 3189-3200.	1.0	23

#	ARTICLE	IF	CITATIONS
181	Interaction of Highly Charged Ions with Surfaces. Australian Journal of Physics, 1996, 49, 527.	0.6	17
182	Ionization of Rydberg atoms by half-cycle pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 377-377.	0.6	8
183	Parametric variation of resonances for regular and chaotic scattering. Chaos, Solitons and Fractals, 1995, 5, 1235-1273.	2.5	18
184	Fast neutralization of highly charged ions in grazing incidence collisions with surfaces. Nuclear Instruments & Methods in Physics Research B, 1995, 98, 415-419.	0.6	53
185	Convoy electron emission from surfaces. Nuclear Instruments & Methods in Physics Research B, 1995, 99, 50-53.	0.6	0
186	Simulation of fast electron emission from surfaces. Nuclear Instruments & Methods in Physics Research B, 1995, 100, 378-382.	0.6	0
187	Accurate calculation of atomic resonances near surfaces. Nuclear Instruments & Methods in Physics Research B, 1995, 100, 336-341.	0.6	31
188	Semiclassical theory of elastic electron-atom scattering. Physical Review A, 1995, 51, 1248-1252.	1.0	20
189	Statistics of magnetoconductance in ballistic cavities. Physical Review B, 1995, 52, 8219-8225.	1.1	20
190	Quantum conductance fluctuations and classical short-path dynamics. Physical Review B, 1995, 51, 2013-2016.	1.1	38
191	Interference oscillations in ionization of extreme Stark states by half-cycle pulses. Physical Review A, 1995, 51, R3410-R3413.	1.0	17
192	Novel adiabatic invariant for the three-body Coulomb problem. Journal of Chemical Physics, 1995, 103, 4985-4989.	1.2	14
193	Rainbow Scattering of Convoy Electrons near Surfaces. Physical Review Letters, 1994, 73, 2508-2511.	2.9	33
194	Calculation of resonances in doubly excited helium using the stabilization method. Physical Review A, 1994, 49, 2470-2475.	1.0	63
195	Excitation-ionization and double ionization of helium by Compton scattering. Physical Review A, 1994, 50, R2810-R2813.	1.0	57
196	Classical and quantum dynamics of the impulsively driven hydrogen atom. Nuclear Instruments & Methods in Physics Research B, 1993, 79, 109-113.	0.6	20
197	Above-surface neutralization of highly charged ions: The formation of hollow atoms. Physica Scripta, 1993, T46, 225-230.	1.2	5
198	Image acceleration of multiply charged ions by metallic surfaces. Physical Review A, 1993, 47, R20-R22.	1.0	88

#	ARTICLE	IF	CITATIONS
199	Ellipsoidal angular distribution of electrons emitted from Rydberg atoms. Physical Review A, 1993, 48, R3414-R3417.	1.0	7
200	Calculation of Langmuir states in doubly excited helium. Physical Review Letters, 1993, 70, 2375-2378.	2.9	28
201	Excitation ionization and double ionization of helium by high-energy photon impact. Physical Review Letters, 1993, 71, 50-53.	2.9	105
202	Statistics of avoided crossings for generic quantum systems. Physical Review A, 1993, 48, 83-87.	1.0	10
203	ATOMIC COLLISIONS WITH SURFACES. , 1993, , 517-614.		22
204	Parametric correlations and diffusion in quantum spectra. Physical Review A, 1992, 46, 2295-2303.	1.0	17
205	Torus quantization of symmetrically excited helium. Physical Review A, 1992, 45, 1471-1478.	1.0	53
206	Electron-electron interaction and two-center effects in projectile ionization at backward emission angles. Physical Review A, 1992, 45, 4507-4518.	1.0	20
207	Simulation of convoy-electron emission. Physical Review A, 1992, 45, R2655-R2658.	1.0	25
208	Dynamic screening and wake effects on electronic excitation in ion-solid and ion-surface collisions. Nuclear Instruments & Methods in Physics Research B, 1992, 67, 1-10.	0.6	32
209	High l-state population in O ⁷⁺ produced in ion-solid collisions. Nuclear Instruments & Methods in Physics Research B, 1992, 67, 168-171.	0.6	2
210	Ionization spectrum for ion-atom collisions with zero-ranged potentials in one and three dimensions. Physical Review A, 1991, 43, 4036-4039.	1.0	22
211	Above-surface neutralization of highly charged ions: The classical over-the-barrier model. Physical Review A, 1991, 44, 5674-5685.	1.0	474
212	Dynamical thresholds for the existence of excited electronic states of fast ions in solids. Physical Review A, 1991, 43, 6027-6031.	1.0	21
213	Semiclassical and quantal eigenenergies in the wake potential. Chemical Physics Letters, 1991, 178, 60-64.	1.2	3
214	Theory of the l-state population of Rydberg states formed in ion-solid collisions. Physical Review A, 1991, 44, 2993-3000.	1.0	44
215	Molecular-dynamics approach to the statistical properties of energy levels. Physical Review Letters, 1991, 66, 982-985.	2.9	13
216	Electron loss at backward observation angles. Physical Review A, 1991, 44, 7243-7251.	1.0	34

#	ARTICLE	IF	CITATIONS
217	Electronic excitations in fast ion-solid collisions. , 1991, , 197-220.		0
218	Shakeoff induced by fast charged projectiles. Physical Review A, 1990, 42, 655-658.	1.0	13
219	Electron transport in the presence of a Coulomb field. Physical Review A, 1990, 42, 1206-1221.	1.0	64
220	Regular and chaotic motion of classical electrons in the wake potential of fast ions in solids. Physical Review A, 1990, 41, 4903-4912.	1.0	9
221	Forward electron production in antimatter-solid collisions. Physical Review Letters, 1989, 62, 1599-1602.	2.9	24
222	Forward Electron Production in Antimatter-Solid Collisions. Physical Review Letters, 1989, 62, 2570-2570.	2.9	0
223	The kicked rydberg atom: Regular and stochastic motion. Nuclear Instruments & Methods in Physics Research B, 1989, 42, 500-507.	0.6	20
224	Mechanisms for $\hat{1}/2/2$ electron emission in ion-atom collisions. Nuclear Instruments & Methods in Physics Research B, 1989, 40-41, 65-69.	0.6	1
225	...2electron emission in ion-atom collisions with short-range potentials. Physical Review A, 1988, 38, 4919-4922.	1.0	18
226	Measurements of the hydrogen 2s-2pcoherence using the quantum-beat technique. Physical Review A, 1988, 37, 4111-4117.	1.0	22
227	Production of High-Angular-Momentum Rydberg States by Stochastic Collisions. Physical Review Letters, 1988, 61, 2917-2920.	2.9	54
228	Coherence and correlation in doubly excited heliumlike atoms. Physical Review A, 1988, 38, 5520-5538.	1.0	7
229	Transport theory for convoy electrons and Rydberg electrons in solids. , 1988, , 344-361.		7
230	Coherence and Correlations in Fast Ion-Atom Collisions. NATO ASI Series Series B: Physics, 1988, , 159-176.	0.2	0
231	Theory of resonant charge transfer in ion-surface collisions at grazing incidence at intermediate velocities. Physical Review A, 1987, 35, 4963-4976.	1.0	69
232	Dynamical image charge effects on convoy electron emission from solid surfaces. Nuclear Instruments & Methods in Physics Research B, 1987, 24-25, 139-142.	0.6	34
233	Distorted-wave methods for electron capture in ion-atom collisions. Physical Review A, 1986, 33, 2959-2969.	1.0	28
234	Distance of Excited-State Formation in Ion-Surface Collisions. Physical Review Letters, 1986, 57, 2649-2652.	2.9	27

#	ARTICLE	IF	CITATIONS
235	Statistical multipoles for cusp electrons and Rydberg electrons. <i>Physical Review A</i> , 1986, 33, 1578-1589.	1.0	48
236	Final-state angular momentum distributions in charge transfer collisions at high energies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1985, 240, 519-526.	0.7	2
237	Coherence, alignment and orientation in ion-atom collisions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1985, 10-11, 198-203.	0.6	15
238	Electron capture into Rydberg states in collisions between multiply charged ions and hydrogen. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1985, 9, 392-396.	0.6	2
239	Multiple-Scattering Approach to Coherent Excitation in Electron-Capture Collisions. <i>Physical Review Letters</i> , 1984, 52, 2225-2228.	2.9	46
240	Density matrix description of collisional electron transfer into the continuum of ionic projectiles. <i>Lecture Notes in Physics</i> , 1984, , 32-51.	0.3	3
241	Inverted Cusps in Electron Spectra near Zero Velocity in an Attractive Coulomb Field. <i>Physical Review Letters</i> , 1983, 51, 374-377.	2.9	21
242	Influence of the linear Stark effect on electron capture into fully stripped ions. <i>Physical Review A</i> , 1981, 24, 1756-1767.	1.0	51
243	Transient field-resolved reflectometry at 50-100 THz. <i>Optica</i> , 0, , .	4.8	1