Lorenz S Cederbaum

List of Publications by Year
in descending order

315 papers	12,963 citations	23879 60 h-index	42259 96 g-index
324 all docs	324 docs citations	324 times ranked	5831 citing authors

#	Article	IF	Citations
1	On the Endocircular Li@C16 System. Frontiers in Chemistry, 2022, 10, 813563.	1.8	0
2	Storing and releasing Mg by C12 carbon ring. Chemical Physics Letters, 2022, 799, 139554.	1.2	5
3	Cooperative molecular structure in polaritonic and dark states. Journal of Chemical Physics, 2022, 156, 184102.	1.2	9
4	Bornâ€“Oppenheimer approximation in optical cavities: from success to breakdown. Chemical Science, 2021, 12, 1251-1258.	3.7	27
5	Signature of the neighbor's quantum nuclear dynamics in the electron transfer mediated decay spectra. Chemical Science, 2021, 12, 9379-9385.	3.7	4
6	Caged-electron states and split-electron states in the endohedral alkali C₆₀. Physical Chemistry Chemical Physics, 2021, 23, 11837-11843.	1.3	10
7	Theory of double ionization of a neighboring molecule by interatomic Coulombic decay. Physical Review A, 2021, 103, .	1.0	4
8	Signatures of light-induced nonadiabaticity in the field-dressed vibronic spectrum of formaldehyde. Journal of Chemical Physics, 2021, 154, 124308.	1.2	3
9	Polaritonic States of Matter in a Rotating Cavity. Journal of Physical Chemistry Letters, 2021, 12, 6056-6061.	2.1	9
10	Endocircular Li Carbon Rings. Angewandte Chemie, 2021, 133, 16785-16790.	1.6	1
11	Endocircular Li Carbon Rings. Angewandte Chemie - International Edition, 2021, 60, 16649-16654.	7.2	9
12	Impact of cavity on interatomic Coulombic decay. Nature Communications, 2021, 12, 4083.	5.8	18
13	Suppression of X-ray-Induced Radiation Damage to Biomolecules in Aqueous Environments by Immediate Intermolecular Decay of Inner-Shell Vacancies. Journal of Physical Chemistry Letters, 2021, 12, 7146-7150.	2.1	8
14	Electron attachment to a proton in water by interatomic Coulombic electron capture: An R -matrix study. Physical Review A, 2021, 104, .	1.0	5
15	Fano interferences in environment-enabled electron capture. Physical Review A, 2021, 103, .	1.0	7
16	Interatomic and Intermolecular Coulombic Decay. Chemical Reviews, 2020, 120, 11295-11369.	23.0	106
17	Fragmentation of Molecules by Virtual Photons from Remote Neighbors. Journal of Physical Chemistry Letters, 2020, 11, 8964-8969.	2.1	3
18	Bound states and symmetry breaking of the ring C20â¯ anion. Journal of Chemical Physics, 2020, 152, 244307.	1.2	5

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19	Quantum Effects Dominating the Interatomic Coulombic Decay of an Extreme System. Journal of Physical Chemistry Letters, 2020, 11, 6600-6605.	2.1	7
20	Ab initio complex potential energy curves of the He*(1s2p 1P)â€“Li dimer. Journal of Chemical Physics, 2020, 152, 184303.	1.2	14
21	Striking Generic Impact of Light-Induced Non-Adiabaticity in Polyatomic Molecules. Journal of Physical Chemistry Letters, 2020, 11, 5324-5329.	2.1	8
22	Competition between interatomic Coulombic decay and autoionization of doubly-excited atoms. Chemical Physics Letters, 2020, 754, 137571.	1.2	7
23	Quantum light-induced nonadiabatic phenomena in the absorption spectrum of formaldehyde: Full- and reduced-dimensionality studies. Journal of Chemical Physics, 2020, 153, 234302.	1.2	9
24	High intensity x-ray interaction with a model bio-molecule system: double-core-hole states and fragmentation of formamide. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 244005.	0.6	5
25	Core-level interatomic Coulombic decay in van der Waals clusters. Physical Review Research, 2020, 2, .	1.3	15
26	Efficient non-resonant intermolecular vibrational energy transfer. Molecular Physics, 2019, 117, 1950-1955.	0.8	5
27	Electron transfer mediated decay in HeLi2 cluster: Potential energy surfaces and decay widths. Journal of Chemical Physics, 2019, 150, 164309.	1.2	7
28	Tracing charge transfer in argon dimers by XUV-pump IR-probe experiments at FLASH. Journal of Chemical Physics, 2019, 151, 084314.	1.2	7
29	Real-time observation of X-ray-induced intramolecular and interatomic electronic decay in CH2I2. Nature Communications, 2019, 10, 2186.	5.8	19
30	Electron spectroscopic study of nanoplasma formation triggered by intense soft x-ray pulses. Journal of Chemical Physics, 2019, 151, 184305.	1.2	5
31	Charge separated states of endohedral fullerene Li@C20. Journal of Chemical Physics, 2019, 151, 114306.	1.2	12
32	Caged-Electron States in Endohedral Li Fullerenes. Journal of Physical Chemistry Letters, 2019, 10, 7617-7622.	2.1	9
33	Many-Body Effects in Fragmented, Depleted, and Condensed Bosonic Systems in Traps and Optical Cavities by MCTDHB and MCTDH-X. , 2018, , 93-115.		4
34	Fractional driven-damped oscillator and its general closed form exact solution. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 744-762.	1.2	8
35	Variance of an anisotropic Bose-Einstein condensate. Chemical Physics, 2018, 509, 45-54.	0.9	17
36	Dynamic interference in the resonance-enhanced multiphoton ionization of hydrogen atoms by short and intense laser pulses. Chemical Physics, 2018, 509, 145-150.	0.9	15

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37	Damaging Intermolecular Energy and Proton Transfer Processes in Alphaâ€Particleâ€Irradiated Hydrogenâ€Bonded Systems. Angewandte Chemie - International Edition, 2018, 57, 17023-17027.	7.2	26
38	Damaging Intermolecular Energy and Proton Transfer Processes in Alphaâ€Particleâ€Irradiated Hydrogenâ€Bonded Systems. Angewandte Chemie, 2018, 130, 17269-17273.	1.6	19
39	Ultrafast Intermolecular Energy Transfer from Vibrations to Electronic Motion. Physical Review Letters, 2018, 121, 223001.	2.9	14
40	A Concerted Synchronous [2 + 2] Cycloreversion Repair Catalyzed by Two Electrons. Journal of Physical Chemistry Letters, 2018, 9, 6973-6977.	2.1	8
41	Communication: Substantial impact of the orientation of transition dipole moments on the dynamics of diatomics in laser fields. Journal of Chemical Physics, 2018, 149, 181101.	1.2	12
42	Enhanced many-body effects in the excitation spectrum of a weakly interacting rotating Bose-Einstein condensate. Physical Review A, 2018, 98, .	1.0	13
43	Attractive Bose-Einstein condensates in anharmonic traps: Accurate numerical treatment and the intriguing physics of the variance. Chemical Physics, 2018, 515, 287-298.	0.9	11
44	Conical Intersections Induced by Quantum Light: Field-Dressed Spectra from the Weak to the Ultrastrong Coupling Regimes. Journal of Physical Chemistry Letters, 2018, 9, 6215-6223.	2.1	59
45	The All-Seeing Eye of Resonant Auger Electron Spectroscopy: A Study on Aqueous Solution Using Tender X-rays. Journal of Physical Chemistry Letters, 2018, 9, 4457-4462.	2.1	6
46	Direct Signatures of Light-Induced Conical Intersections on the Field-Dressed Spectrum of Na₂. Journal of Physical Chemistry Letters, 2018, 9, 2739-2745.	2.1	28
47	Following the Birth of a Nanoplasma Produced by an Ultrashort Hard-X-Ray Laser in Xenon Clusters. Physical Review X, 2018, 8, .	2.8	16
48	Interatomic Coulombic electron capture from first principles. Physical Review A, 2018, 98, .	1.0	17
49	Bound electronic states of the smallest fullerene C20â¯ anion. Physical Chemistry Chemical Physics, 2018, 20, 17434-17441.	1.3	9
50	Observation of electron-transfer-mediated decay in aqueous solution. Nature Chemistry, 2017, 9, 708-714.	6.6	51
51	Phantom vortices: hidden angular momentum in ultracold dilute Bose-Einstein condensates. Scientific Reports, 2017, 7, 40122.	1.6	36
52	Intrinsic and light-induced nonadiabatic phenomena in the NaI molecule. Physical Chemistry Chemical Physics, 2017, 19, 19656-19664.	1.3	18
53	Competition between Light-Induced and Intrinsic Nonadiabatic Phenomena in Diatomics. Journal of Physical Chemistry Letters, 2017, 8, 1624-1630.	2.1	42
54	Time-resolved observation of interatomic excitation-energy transfer in argon dimers. Journal of Chemical Physics, 2017, 146, 104305.	1.2	5

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55	Observation of fast and slow interatomic Coulombic decay in argon dimers induced by electron-impact ionization. Physical Review A, 2017, 96, .	1.0	9
56	Impact of intense laser pulses on the autoionization dynamics of the 2s2p doubly excited state of He. Physical Review A, 2017, 96, .	1.0	20
57	Exact many-body wave function and properties of trapped bosons in the infinite-particle limit. Physical Review A, 2017, 96, .	1.0	17
58	Many-body effects in the excitation spectrum of weakly interacting Bose-Einstein condensates in one-dimensional optical lattices. Physical Review A, 2017, 95, .	1.0	10
59	Electron-correlation driven capture and release in double quantum dots. Journal of Physics Condensed Matter, 2016, 28, 075301.	0.7	11
60	Strong enhancement of cage effects in water photolysis caused by interatomic Coulombic decay. Journal of Chemical Physics, 2016, 144, 164307.	1.2	10
61	Overlap of exact and Gross-Pitaevskii wave functions in Bose-Einstein condensates of dilute gases. Physical Review A, 2016, 94, .	1.0	22
62	Tracking the photodissociation probability of D2+ induced by linearly chirped laser pulses. Journal of Chemical Physics, 2016, 144, 074309.	1.2	14
63	How many bound valence states does the C₆₀^{â^'} anion have?. Physical Chemistry Chemical Physics, 2016, 18, 10840-10845.	1.3	12
64	Towards controlling the dissociation probability by light-induced conical intersections. Faraday Discussions, 2016, 194, 479-493.	1.6	28
65	Core Ionization Initiates Subfemtosecond Charge Migration in the Valence Shell of Molecules. Physical Review Letters, 2016, 117, 093002.	2.9	72
66	Dynamic interference in the photoionization of He by coherent intense high-frequency laser pulses: Direct propagation of the two-electron wave packets on large spatial grids. Physical Review A, 2016, 93, .	1.0	29
67	Field Operators in Real Space. Journal of Physical Chemistry A, 2016, 120, 3009-3014.	1.1	3
68	MCTDHB Physics and Technologies: Excitations and Vorticity, Single-Shot Detection, Measurement of Fragmentation, and Optimal Control in Correlated Ultra-Cold Bosonic Many-Body Systems. , 2016, , 23-49.		5
69	Vorticity, Variance, and the Vigor of Many-Body Phenomena in Ultracold Quantum Systems: MCTDHB and MCTDH-X. , 2016, , 79-96.		3
70	Many-body tunneling dynamics of Bose-Einstein condensates and vortex states in two spatial dimensions. Physical Review A, 2015, 92, .	1.0	38
71	Photodissociation of D2+ induced by linearly chirped laser pulses. Journal of Chemical Physics, 2015, 143, 014305.	1.2	15
72	Interatomic Coulombic electron capture in atomic, molecular, and quantum dot systems. EPJ Web of Conferences, 2015, 84, 07002.	0.1	6

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73	Barrierless Singleâ€Electronâ€Induced cisâ€“trans Isomerization. Angewandte Chemie - International Edition, 2015, 54, 10470-10473.	7.2	15
74	Quantum oscillations between close-lying states mediated by the electronic continuum in intense high-frequency pulses. Physical Review A, 2015, 91, .	1.0	4
75	Influence of caged noble-gas atom on the superatomic and valence states of C₆₀^{â^’}. Molecular Physics, 2015, 113, 2964-2969.	0.8	9
76	Tracing electron solvation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si6.gif" overflow="scroll"><mml:msup><mml:mi mathvariant="normal">Li</mml:mi><mml:mo>â^’</mml:mo></mml:msup><mml:msub><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td (mathvariant="normal">NH</mml:mi> wit	0.2	5
77	The exact wavefunction of interacting N degrees of freedom as a product of N single-degree-of-freedom wavefunctions. Chemical Physics, 2015, 457, 129-132.	0.9	19
78	Quantum Many-Body Dynamics of Trapped Bosons with the MCTDHB Package: Towards New Horizons with Novel Physics. , 2015, , 63-86.		4
79	Influence of Light-Induced Conical Intersection on the Photodissociation Dynamics of D₂⁺ Starting from Individual Vibrational Levels. Journal of Physical Chemistry A, 2014, 118, 11908-11915.	1.1	32
80	Proton-Transfer Mediated Enhancement of Nonlocal Electronic Relaxation Processes in X-ray Irradiated Liquid Water. Journal of the American Chemical Society, 2014, 136, 18170-18176.	6.6	40
81	Detecting ultrafast interatomic electronic processes in media by fluorescence. New Journal of Physics, 2014, 16, 102002.	1.2	19
82	Universality of fragmentation in the SchrÃ¶dinger dynamics of bosonic Josephson junctions. Physical Review A, 2014, 89, .	1.0	44
83	Time-resolved pump-probe spectroscopy to follow valence electronic motion in molecules: Application. Physical Review A, 2014, 90, .	1.0	16
84	Controlling the velocities and the number of emitted particles in the tunneling to open space dynamics. Physical Review A, 2014, 89, .	1.0	21
85	Generic regimes of quantum many-body dynamics of trapped bosonic systems with strong repulsive interactions. Physical Review A, 2014, 89, .	1.0	32
86	Breaking the resilience of a two-dimensional Bose-Einstein condensate to fragmentation. Physical Review A, 2014, 90, .	1.0	31
87	Unified view on linear response of interacting identical and distinguishable particles from multiconfigurational time-dependent Hartree methods. Journal of Chemical Physics, 2014, 140, 034108.	1.2	13
88	What will it take to observe processes in 'real time'?. Nature Photonics, 2014, 8, 162-166.	15.6	220
89	Site- and energy-selective slow-electron production through intermolecular Coulombic decay. Nature, 2014, 505, 661-663.	13.7	131
90	The best orbital and pair function for describing ionic and excited states on top of the exact ground state. Journal of Chemical Physics, 2014, 141, 194102.	1.2	13

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91	All for one and one for all: accommodating an extra electron in C60. Physical Chemistry Chemical Physics, 2014, 16, 13287.	1.3	30
92	Ultrafast correlation-driven electron dynamics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124002.	0.6	145
93	The exact wavefunction factorization of a vibronic coupling system. Journal of Chemical Physics, 2014, 140, 054104.	1.2	18
94	Elastic scattering of a Bose-Einstein condensate at a potential landscape. Journal of Physics: Conference Series, 2014, 488, 012032.	0.3	11
95	Nuclear-wave-packet quantum interference in the intense laser dissociation of the D<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:math> molecule. Physical Review A, 2013, 88, .	1.0	43
96	ac Stark effect in the electronic continuum and its impact on the photoionization of atoms by coherent intense short high-frequency laser pulses. Physical Review A, 2013, 88, .	1.0	37
97	Excitation spectra of many-body systems by linear response: General theory and applications to trapped condensates. Physical Review A, 2013, 88, .	1.0	32
98	Extreme Correlation Effects in the Elusive Bound Spectrum of C₆₀^{â€“}. Journal of Physical Chemistry Letters, 2013, 4, 3319-3324.	2.1	36
99	Photoionization of hydrogen atoms by coherent intense high-frequency short laser pulses: Direct propagation of electron wave packets on large spatial grids. Physical Review A, 2013, 88, .	1.0	21
100	Probing the interface of doped isotopically mixed helium droplets by the directional anisotropy of interatomic Coulombic decay. Physical Chemistry Chemical Physics, 2013, 15, 18167.	1.3	4
101	Electron-correlation-driven charge migration in oligopeptides. Chemical Physics, 2013, 414, 100-105.	0.9	59
102	The exact molecular wavefunction as a product of an electronic and a nuclear wavefunction. Journal of Chemical Physics, 2013, 138, 224110.	1.2	71
103	Existence of a Correlation Bound s-Type Anion State of C₆₀. Journal of Physical Chemistry Letters, 2013, 4, 849-853.	2.1	71
104	Effect of Light-Induced Conical Intersection on the Photodissociation Dynamics of the D₂⁺ Molecule. Journal of Physical Chemistry A, 2013, 117, 8528-8535.	1.1	30
105	Light-induced conical intersections in polyatomic molecules: General theory, strategies of exploitation, and application. Journal of Chemical Physics, 2013, 139, 154314.	1.2	62
106	Controlled energy-selected electron capture and release in double quantum dots. Physical Review B, 2013, 88, .	1.1	32
107	Polarization and site dependence of interatomic relaxation effects in double core hole states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 164012.	0.6	4
108	Two trapped particles interacting by a finite-range two-body potential in two spatial dimensions. Physical Review A, 2013, 87, .	1.0	39

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109	Time-resolved pump-probe spectroscopy to follow valence electronic motion in molecules: Theory. Physical Review A, 2013, 88, .	1.0	18
110	Numerically-Exact SchrÃ¶dinger Dynamics of Closed and Open Many-Boson Systems with the MCTDHB Package. , 2013, , 81-92.		4
111	How an interacting many-body system tunnels through a potential barrier to open space. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13521-13525.	3.3	55
112	Kinetic energy release in fragmentation processes following electron emission: A time-dependent approach. Journal of Chemical Physics, 2012, 136, 114111.	1.2	4
113	Efficient computation of adiabatic electronic populations in multi-mode vibronic systems: Theory, implementation, and application. Journal of Chemical Physics, 2012, 137, 114110.	1.2	5
114	Interatomic relaxation effects in double core ionization of chain molecules. Journal of Chemical Physics, 2012, 137, 154316.	1.2	13
115	Dynamic Interference of Photoelectrons Produced by High-Frequency Laser Pulses. Physical Review Letters, 2012, 108, 253001.	2.9	92
116	Excitation spectra of fragmented condensates by linear response: General theory and application to a condensate in a double-well potential. Physical Review A, 2012, 86, .	1.0	14
117	Numerically exact quantum dynamics of bosons with time-dependent interactions of harmonic type. Physical Review A, 2012, 86, .	1.0	92
118	Dynamics and symmetries of a repulsively bound atom pair in an infinite optical lattice. Physical Review A, 2012, 86, .	1.0	14
119	Strong impact of protonation and deprotonation on intermolecular Coulombic decay. Journal of Physics: Conference Series, 2012, 388, 022042.	0.3	1
120	Wave chaos as signature for depletion of a Bose-Einstein condensate. Physical Review A, 2012, 86, .	1.0	46
121	Coherent intense resonant laser pulses lead to interference in the time domain seen in the spectrum of the emitted particles. Physical Review A, 2012, 86, .	1.0	43
122	Benchmark Calculations of the Energies for Binding Excess Electrons to Water Clusters. Journal of Chemical Theory and Computation, 2012, 8, 893-900.	2.3	39
123	Exploring Protonation and Deprotonation Effects with Auger Electron Spectroscopy. Journal of Physical Chemistry Letters, 2012, 3, 2733-2737.	2.1	8
124	Light-induced conical intersections for short and long laser pulses: Floquet and rotating wave approximations versus numerical exact results. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 135101.	0.6	35
125	Light-Induced Conical Intersections: Topological Phase, Wave Packet Dynamics, and Molecular Alignment. Journal of Physical Chemistry A, 2012, 116, 2636-2643.	1.1	74
126	A Oneâ€Step Fourâ€Bondâ€Breaking Reaction Catalyzed by an Electron. Angewandte Chemie - International Edition, 2012, 51, 8003-8007.	7.2	48

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127	The effect of light-induced conical intersections on the alignment of diatomic molecules. Chemical Physics, 2012, 399, 146-150.	0.9	24
128	Recursive formulation of the multiconfigurational time-dependent Hartree method for fermions, bosons and mixtures thereof in terms of one-body density operators. Chemical Physics, 2012, 401, 2-14.	0.9	23
129	Ultrafast reorganization of the hole charge created upon outer-valence ionization of porphyrins. Chemical Physics, 2012, 399, 245-251.	0.9	15
130	Native hydrogen bonding network of the photoactive yellow protein (PYP) chromophore: Impact on the electronic structure and photoinduced isomerization. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 234, 123-134.	2.0	19
131	Nonlocal Effects in the Core Ionization and Auger Spectra of Small Ammonia Clusters. Journal of Physical Chemistry B, 2011, 115, 5441-5447.	1.2	26
132	An Excited Electron Avoiding a Positive Charge. Journal of Physical Chemistry Letters, 2011, 2, 2300-2303.	2.1	19
133	Photoinduced Isomerization of the Photoactive Yellow Protein (PYP) Chromophore: Interplay of Two Torsions, a HOOP Mode and Hydrogen Bonding. Journal of Physical Chemistry A, 2011, 115, 9237-9248.	1.1	40
134	Ionic-Charge Dependence of the Intermolecular Coulombic Decay Time Scale for Aqueous Ions Probed by the Core-Hole Clock. Journal of the American Chemical Society, 2011, 133, 13430-13436.	6.6	32
135	Accurate Quantum Chemistry in Single Precision Arithmetic: Correlation Energy. Journal of Chemical Theory and Computation, 2011, 7, 320-326.	2.3	16
136	Intermolecular Coulombic Decay in Small Biochemically Relevant Hydrogen-Bonded Systems. Journal of the American Chemical Society, 2011, 133, 6817-6824.	6.6	53
137	Conical intersections induced by light: Berry phase and wavepacket dynamics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 175102.	0.6	57
138	Dynamics of interatomic Coulombic decay in quantum dots. Journal of Chemical Physics, 2011, 135, 144112.	1.2	40
139	Using pHâ€...Value To Control Intermolecular Electronic Decay. Angewandte Chemie - International Edition, 2011, 50, 1306-1309.	7.2	27
140	Electron Impact Catalytic Dissociation: Twoâ€Bond Breaking by a Lowâ€Energy Catalytic Electron. Angewandte Chemie - International Edition, 2011, 50, 4119-4122.	7.2	62
141	Interatomic electronic decay processes in singly and multiply ionized clusters. Journal of Electron Spectroscopy and Related Phenomena, 2011, 183, 36-47.	0.8	86
142	Optimal time-dependent lattice models for nonequilibrium dynamics. New Journal of Physics, 2011, 13, 043003.	1.2	21
143	Ultrafast charge separation driven by differential particle and hole mobilities. Journal of Chemical Physics, 2011, 134, 024303.	1.2	23
144	Swift Loss of Coherence of Soliton Trains in Attractive Bose-Einstein Condensates. Physical Review Letters, 2011, 106, 240401.	2.9	39

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145	Exploring Interatomic Coulombic Decay by Free Electron Lasers. Physical Review Letters, 2011, 107, 273002.	2.9	28
146	Number fluctuations of cold, spatially split bosonic objects. Physical Review A, 2011, 84, .	1.0	6
147	Resonant Auger decay of the core-excited C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mo>*</mml:mo></mml:msup></mml:math>O molecule in intense x-ray laser fields. Physical Review A, 2011, 84, .	1.0	42
148	Accurate multi-boson long-time dynamics in triple-well periodic traps. Physical Review A, 2011, 83, .	1.0	45
149	Strong interference effects in the resonant Auger decay of atoms induced by intense x-ray fields. Physical Review A, 2011, 83, .	1.0	60
150	Interrelation between the Distributions of Kinetic Energy Release and Emitted Electron Energy following the Decay of Electronic States. Physical Review Letters, 2011, 107, 173001.	2.9	15
151	Anions of Xenon Clusters Bound by Long-Range Electron Correlations. Physical Review Letters, 2011, 107, 133401.	2.9	27
152	Resonant Auger Decay of Molecules in Intense X-Ray Laser Fields: Light-Induced Strong Nonadiabatic Effects. Physical Review Letters, 2011, 106, 123001.	2.9	63
153	Strong impact of light-induced conical intersections on the spectrum of diatomic molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 045603.	0.6	82
154	Efficient computation of adiabatic populations in multi-mode Jahn-Teller systems through the use of effective vibrational modes. Journal of Chemical Physics, 2011, 135, 174110.	1.2	5
155	Interatomic Coulombic decay in a He dimer:Ab initiopotential-energy curves and decay widths. Physical Review A, 2010, 82, .	1.0	19
156	Fragmented many-body states of definite angular momentum and stability of attractive three-dimensional condensates. Physical Review A, 2010, 82, .	1.0	15
157	Nonadditivity and anisotropy of the polarizability of clusters: Relativistic finite-field calculations for the Xe dimer. Physical Review A, 2010, 81, .	1.0	5
158	Impact of nuclear dynamics on interatomic Coulombic decay in a He dimer. Physical Review A, 2010, 82, .	1.0	24
159	Generation of Highly Damaging H₂O⁺ Radicals by Inner Valence Shell Ionization of Water. ChemPhysChem, 2010, 11, 1006-1009.	1.0	36
160	Ultralong-range energy transfer by interatomic Coulombic decay in an extreme quantum system. Nature Physics, 2010, 6, 508-511.	6.5	133
161	Molecular double core hole electron spectroscopy for chemical analysis. Journal of Chemical Physics, 2010, 132, .	1.2	111
162	Quantum dynamics of attractive versus repulsive bosonic Josephson junctions: Bose-Hubbard and full-Hamiltonian results. Physical Review A, 2010, 82, .	1.0	52

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163	Linewidth and lifetime of atomic levels and the time evolution of spectra and coincidence spectra. Physical Review A, 2010, 81, .	1.0	17
164	General mapping for bosonic and fermionic operators in Fock space. Physical Review A, 2010, 81, .	1.0	47
165	Interatomic Electronic Decay Driven by Nuclear Motion. Physical Review Letters, 2010, 105, 173401.	2.9	32
166	Ultrafast Interatomic Electronic Decay in Multiply Excited Clusters. Physical Review Letters, 2010, 105, 043004.	2.9	67
167	On the Cholesky decomposition for electron propagator methods: General aspects and application on C60. Journal of Chemical Physics, 2010, 132, 044110.	1.2	31
168	Correlation-bound anions of NaCl clusters. Journal of Chemical Physics, 2010, 133, 114301.	1.2	33
169	On the intermolecular Coulombic decay of singly and doubly ionized states of water dimer. Journal of Chemical Physics, 2010, 133, 154307.	1.2	18
170	Ultrafast Charge Migration Following Valence Ionization of 4-Methylphenol: Jumping over the Aromatic Ring^{â€}. Journal of Physical Chemistry A, 2010, 114, 8676-8679.	1.1	49
171	Tracing molecular electronic excitation dynamics in real time and space. Journal of Chemical Physics, 2010, 132, 144302.	1.2	36
172	Exploring Nonadiabatic Effects by Recoil of Fast Photoelectrons. Physical Review Letters, 2009, 103, 133001.	2.9	8
173	Many-body theory for systems with particle conversion: Extending the multiconfigurational time-dependent Hartree method. Physical Review A, 2009, 79, .	1.0	37
174	Exact Quantum Dynamics of a Bosonic Josephson Junction. Physical Review Letters, 2009, 103, 220601.	2.9	163
175	Scattering of an attractive Bose-Einstein condensate from a barrier: Formation of quantum superposition states. Physical Review A, 2009, 80, .	1.0	64
176	Ultrafast electron dynamics following outer-valence ionization: The impact of low-lying relaxation satellite states. Journal of Chemical Physics, 2009, 130, 154305.	1.2	32
177	Exact decay and tunnelling dynamics of interacting few-boson systems. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 044018.	0.6	36
178	Nuclear dynamics during the resonant Auger decay of water molecules. Journal of Chemical Physics, 2009, 130, 154307.	1.2	23
179	Build-up of coherence between initially-independent subsystems: The case of Boseâ€“Einstein condensates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 301-304.	0.9	9
180	Auger Electron Spectroscopy as a Probe of the Solution of Aqueous Ions. Journal of the American Chemical Society, 2009, 131, 7264-7271.	6.6	31

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