

Stephen R Leone

List of Publications by Year in descending order

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224
papers

10,778
citations

34105

52
h-index

39675

94
g-index

241
all docs

241
docs citations

241
times ranked

9878
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal and Catalytic Decomposition of 2-Hydroxyethylhydrazine and 2-Hydroxyethylhydrazinium Nitrate Ionic Liquid. <i>Journal of Physical Chemistry A</i> , 2022, 126, 373-394.	2.5	4
2	Sizes of pure and doped helium droplets from single shot x-ray imaging. <i>Journal of Chemical Physics</i> , 2022, 156, 041102.	3.0	3
3	Theoretical analysis of the role of complex transition dipole phase in XUV transient-absorption probing of charge migration. <i>Optics Express</i> , 2022, 30, 5673.	3.4	4
4	Conical intersection and coherent vibrational dynamics in alkyl iodides captured by attosecond transient absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2022, 156, 114304.	3.0	10
5	Nonmetal-to-Metal Transition of Magnesia Supported Au Clusters Affects the Ultrafast Dissociation Dynamics of Adsorbed CH_3Br Molecules. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4747-4753.	4.6	1
6	Coupled nuclear-electronic decay dynamics of O_2 inner valence excited states revealed by attosecond XUV wave-mixing spectroscopy. <i>Faraday Discussions</i> , 2021, 228, 537-554.	3.2	11
7	Carrier-specific dynamics in 2H-MoTe ₂ observed by femtosecond soft x-ray absorption spectroscopy using an x-ray free-electron laser. <i>Structural Dynamics</i> , 2021, 8, 014501.	2.3	14
8	Attosecond and Soft X-ray Time-Resolved Dynamics. , 2021, , .		0
9	Electron thermalization and relaxation in laser-heated nickel by few-femtosecond core-level transient absorption spectroscopy. <i>Physical Review B</i> , 2021, 103, .	3.2	21
10	Characterization of Carrier Cooling Bottleneck in Silicon Nanoparticles by Extreme Ultraviolet (XUV) Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9319-9329.	3.1	6
11	Ultrafast strong-field dissociation of vinyl bromide: An attosecond transient absorption spectroscopy and non-adiabatic molecular dynamics study. <i>Structural Dynamics</i> , 2021, 8, 034104.	2.3	8
12	Mapping wave packet bifurcation at a conical intersection in CH ₃ I by attosecond XUV transient absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2021, 154, 234301.	3.0	18
13	Solid state core-exciton dynamics in NaCl observed by tabletop attosecond four-wave mixing spectroscopy. <i>Physical Review B</i> , 2021, 103, .	3.2	17
14	Attosecond Noncollinear Four Wave Mixing. , 2021, , .		0
15	All-XUV Pump-Probe Transient Absorption Spectroscopy of the Structural Molecular Dynamics of Di-iodomethane. <i>Physical Review X</i> , 2021, 11, .	8.9	13
16	X-ray transient absorption reveals the 1Au ($n\tilde{\epsilon}^*$) state of pyrazine in electronic relaxation. <i>Nature Communications</i> , 2021, 12, 5003.	12.8	29
17	Visualizing coherent vibrational motion in the molecular iodine I_2 $\text{B}^1\Sigma_g^+$ state by attosecond XUV transient absorption spectroscopy. <i>Physical Review A</i> , 2021, 104, .	2.5	5
18	Coupled valence carrier and core-exciton dynamics in WS_2 probed by few-femtosecond extreme ultraviolet transient absorption spectroscopy. <i>Physical Review B</i> , 2021, 104, .	3.2	13

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19	Coherent energy exchange between carriers and phonons in Peierls-distorted bismuth unveiled by broadband XUV pulses. <i>Physical Review Research</i> , 2021, 3, .	3.6	8
20	Accurate prediction of core-level spectra of radicals at density functional theory cost via square gradient minimization and recoupling of mixed configurations. <i>Journal of Chemical Physics</i> , 2020, 153, 134108.	3.0	31
21	Table-Top X-ray Spectroscopy of Benzene Radical Cation. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9524-9531.	2.5	24
22	Simultaneous Observation of Carrier-Specific Redistribution and Coherent Lattice Dynamics in 2H-MoTe ₂ with Femtosecond Core-Level Spectroscopy. <i>ACS Nano</i> , 2020, 14, 15829-15840.	14.6	38
23	Interplay of Open-Shell Spin-Coupling and Jahn-Teller Distortion in Benzene Radical Cation Probed by X-ray Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9532-9541.	2.5	31
24	Revealing electronic state-switching at conical intersections in alkyl iodides by ultrafast XUV transient absorption spectroscopy. <i>Nature Communications</i> , 2020, 11, 4042.	12.8	40
25	Attosecond spectroscopy reveals alignment dependent core-hole dynamics in the ICl molecule. <i>Nature Communications</i> , 2020, 11, 5810.	12.8	8
26	Attosecond Time-Domain Measurement of Core-Level-Exciton Decay in Magnesium Oxide. <i>Physical Review Letters</i> , 2020, 124, 207401.	7.8	34
27	Coherent electronic-vibrational dynamics in deuterium bromide probed via attosecond transient-absorption spectroscopy. <i>Physical Review A</i> , 2020, 101, .	2.5	20
28	Efficient table-top dual-wavelength beamline for ultrafast transient absorption spectroscopy in the soft X-ray region. <i>Scientific Reports</i> , 2020, 10, 5773.	3.3	27
29	Layer-resolved ultrafast extreme ultraviolet measurement of hole transport in a Ni-TiO ₂ -Si photoanode. <i>Science Advances</i> , 2020, 6, eaay6650.	10.3	29
30	Attosecond XUV probing of vibronic quantum superpositions in I_2 . <i>Physical Review A</i> , 2020, 102, .		
31	Microjoule-level 20 fs UV pulses for the investigation of molecular dynamics via attosecond transient absorption spectroscopy. , 2020, , .		0
32	Self-heterodyned detection of dressed state coherences in helium by noncollinear extreme ultraviolet wave mixing with attosecond pulses. <i>JPhys Photonics</i> , 2020, 2, 034003.	4.6	6
33	Probing Delayed C-I Bond Fission in the UV Photochemistry of 2-Iodothiophene with Core-to-Valence Transient Absorption Spectroscopy. , 2020, , .		0
34	Disentangling conical intersection and coherent molecular dynamics in methyl bromide with attosecond transient absorption spectroscopy. <i>Nature Communications</i> , 2019, 10, 3133.	12.8	68
35	Direct mapping of curve-crossing dynamics in IBr by attosecond transient absorption spectroscopy. <i>Science</i> , 2019, 365, 79-83.	12.6	98
36	Autoionization dynamics of $(2P_{1/2})^2$ states in krypton probed by noncollinear wave mixing with attosecond extreme ultraviolet and few-cycle near infrared pulses. <i>Journal of Chemical Physics</i> , 2019, 151, 114305.	3.0	15

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37	Differentiating Photoexcited Carrier and Phonon Dynamics in the $\hat{\Gamma}$, L , and $\hat{\Gamma}'$ Valleys of Si(100) with Transient Extreme Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3343-3352.	3.1	23
38	Nonlinear XUV signal generation probed by transient grating spectroscopy with attosecond pulses. <i>Nature Communications</i> , 2019, 10, 1384.	12.8	24
39	Tracing the 267 nm-Induced Radical Formation in Dimethyl Disulfide Using Time-Resolved X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1382-1387.	4.6	24
40	Transient absorption spectroscopy using high harmonic generation: a review of ultrafast X-ray dynamics in molecules and solids. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20170463.	3.4	125
41	Ab initio investigation of Br-3d core-excited states in HBr and HBr+ toward XUV probing of photochemical dynamics. <i>Structural Dynamics</i> , 2019, 6, 014101.	2.3	9
42	Probing ultrafast C-Br bond fission in the UV photochemistry of bromoform with core-to-valence transient absorption spectroscopy. <i>Structural Dynamics</i> , 2019, 6, 054304.	2.3	16
43	NaI revisited: Theoretical investigation of predissociation via ultrafast XUV transient absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 151, 204103.	3.0	6
44	Excited-state electronic coherence in vinyl bromide ions. <i>Physical Review A</i> , 2019, 100, .	2.5	5
45	Excited-state vibronic wave-packet dynamics in H_2 probed by XUV transient four-wave mixing. <i>Physical Review A</i> , 2018, 97, .	2.5	28
46	Attosecond transient absorption instrumentation for thin film materials: Phase transitions, heat dissipation, signal stabilization, timing correction, and rapid sample rotation. <i>Review of Scientific Instruments</i> , 2018, 89, 013109.	1.3	13
47	Roadmap of ultrafast x-ray atomic and molecular physics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 032003.	1.5	240
48	Quantum dynamics of isolated molecules: general discussion. <i>Faraday Discussions</i> , 2018, 212, 281-306.	3.2	0
49	Ultrafast X-ray Transient Absorption Spectroscopy of Gas-Phase Photochemical Reactions: A New Universal Probe of Photoinduced Molecular Dynamics. <i>Accounts of Chemical Research</i> , 2018, 51, 3203-3211.	15.6	53
50	Electron-Withdrawing Effects in the Photodissociation of CH_2Cl To Form CH_2Cl Radical, Simultaneously Viewed Through the Carbon K and Chlorine L _{2,3} X-ray Edges. <i>Journal of the American Chemical Society</i> , 2018, 140, 13360-13366.	13.7	14
51	Multidimensional spectroscopy with attosecond extreme ultraviolet and shaped near-infrared pulses. <i>Science Advances</i> , 2018, 4, eaau3783.	10.3	36
52	Hot phonon and carrier relaxation in Si(100) determined by transient extreme ultraviolet spectroscopy. <i>Structural Dynamics</i> , 2018, 5, 054302.	2.3	39
53	Photoinduced Heterocyclic Ring Opening of Furfural: Distinct Open-Chain Product Identification by Ultrafast X-ray Transient Absorption Spectroscopy. <i>Journal of the American Chemical Society</i> , 2018, 140, 12538-12544.	13.7	34
54	The ultrafast X-ray spectroscopic revolution in chemical dynamics. <i>Nature Reviews Chemistry</i> , 2018, 2, 82-94.	30.2	215

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55	Femtosecond tracking of carrier relaxation in germanium with extreme ultraviolet transient reflectivity. <i>Physical Review B</i> , 2018, 97, .	3.2	40
56	Multiple pulse coherent dynamics and wave packet control of the $N_{2^+} \leftarrow N_2 + g$ dark state by attosecond four-wave mixing. <i>Faraday Discussions</i> , 2018, 212, 157-174.	3.2	23
57	Nonmetal to Metal Transition and Ultrafast Charge Carrier Dynamics of Zn Clusters on p-Si(100) by fs-XUV Photoemission Spectroscopy. <i>Nano Letters</i> , 2018, 18, 4107-4114.	9.1	9
58	Excitation Intensity Dependence of Photoluminescence Blinking in $CsPbBr_3$ Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12106-12113.	3.1	58
59	Photoexcited Small Polaron Formation in Goethite (α -FeOOH) Nanorods Probed by Transient Extreme Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4120-4124.	4.6	26
60	Selectivity of Electronic Coherence and Attosecond Ionization Delays in Strong-Field Double Ionization. <i>Physical Review Letters</i> , 2018, 120, 233201.	7.8	28
61	Attosecond transient absorption spectroscopy of molecular nitrogen: Vibrational coherences in the $b^1 \Sigma_u^+$ state. <i>Chemical Physics Letters</i> , 2017, 683, 408-415.	2.6	28
62	Attosecond transient-absorption dynamics of xenon core-excited states in a strong driving field. <i>Physical Review A</i> , 2017, 95, .	2.5	24
63	State-resolved attosecond reversible and irreversible dynamics in strong optical fields. <i>Nature Physics</i> , 2017, 13, 472-478.	16.7	59
64	Catalytic Decomposition of Hydroxylammonium Nitrate Ionic Liquid: Enhancement of NO Formation. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2126-2130.	4.6	33
65	Direct and simultaneous observation of ultrafast electron and hole dynamics in germanium. <i>Nature Communications</i> , 2017, 8, 15734.	12.8	117
66	Ultrafast carrier thermalization and trapping in silicon-germanium alloy probed by extreme ultraviolet transient absorption spectroscopy. <i>Structural Dynamics</i> , 2017, 4, 044029.	2.3	42
67	Femtosecond x-ray spectroscopy of an electrocyclic ring-opening reaction. <i>Science</i> , 2017, 356, 54-59.	12.6	253
68	Ultrafast Intersystem Crossing in Acetylacetone via Femtosecond X-ray Transient Absorption at the Carbon K-Edge. <i>Journal of the American Chemical Society</i> , 2017, 139, 16576-16583.	13.7	68
69	Tracking the insulator-to-metal phase transition in VO_2 with few-femtosecond extreme UV transient absorption spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9558-9563.	7.1	112
70	Measuring the Surface Photovoltage of a Schottky Barrier under Intense Light Conditions: Zn/p-Si(100) by Laser Time-Resolved Extreme Ultraviolet Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21904-21912.	3.1	9
71	Unraveling the structure and chemical mechanisms of highly oxygenated intermediates in oxidation of organic compounds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13102-13107.	7.1	117
72	Excitation-wavelength-dependent small polaron trapping of photoexcited carriers in α -Fe ₂ O ₃ . <i>Nature Materials</i> , 2017, 16, 819-825.	27.5	178

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73	Simulation of X-ray transient absorption for following vibrations in coherently ionized F2 molecules. <i>Chemical Physics</i> , 2017, 482, 249-264.	1.9	10
74	Generating high-contrast, near single-cycle waveforms with third-order dispersion compensation. <i>Optics Letters</i> , 2017, 42, 811.	3.3	56
75	Simultaneous generation of sub-5-femtosecond 400-nm and 800-nm pulses for attosecond extreme ultraviolet pump-probe spectroscopy. <i>Optics Letters</i> , 2016, 41, 5365.	3.3	17
76	Dissociation Dynamics and Electronic Structures of Highly Excited Ferrocenium Ions Studied by Femtosecond XUV Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9509-9518.	2.5	16
77	Attosecond transient absorption of argon atoms in the vacuum ultraviolet region: line energy shifts versus coherent population transfer. <i>New Journal of Physics</i> , 2016, 18, 013041.	2.9	30
78	Transition state region in the A-Band photodissociation of allyl iodide: A femtosecond extreme ultraviolet transient absorption study. <i>Journal of Chemical Physics</i> , 2016, 144, 124311.	3.0	14
79	Direct observation of ring-opening dynamics in strong-field ionized selenophene using femtosecond inner-shell absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2016, 145, 234313.	3.0	13
80	Growth and Photoelectrochemical Energy Conversion of Wurtzite Indium Phosphide Nanowire Arrays. <i>ACS Nano</i> , 2016, 10, 5525-5535.	14.6	70
81	Attosecond optics and technology: progress to date and future prospects [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 1081.	2.1	101
82	Tracking dissociation dynamics of strong-field ionized 1,2-dibromoethane with femtosecond XUV transient absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14644-14653.	2.8	21
83	Flow-Tube Investigations of Hypergolic Reactions of a Dicyanamide Ionic Liquid Via Tunable Vacuum Ultraviolet Aerosol Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2016, 120, 8011-8023.	2.5	28
84	Attosecond science in atomic, molecular, and condensed matter physics. <i>Faraday Discussions</i> , 2016, 194, 15-39.	3.2	25
85	Near-resonant four-wave mixing of attosecond extreme-ultraviolet pulses with near-infrared pulses in neon: Detection of electronic coherences. <i>Physical Review A</i> , 2016, 94, .	2.5	36
86	Noncollinear wave mixing of attosecond XUV and few-cycle optical laser pulses in gas-phase atoms: Toward multidimensional spectroscopy involving XUV excitations. <i>Physical Review A</i> , 2016, 94, .	2.5	50
87	Polarization-assisted amplitude gating as a route to tunable, high-contrast attosecond pulses. <i>Optica</i> , 2016, 3, 707.	9.3	26
88	Probing the Dynamics of Rydberg and Valence States of Molecular Nitrogen with Attosecond Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3165-3174.	2.5	56
89	Lasing in robust cesium lead halide perovskite nanowires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1993-1998.	7.1	668
90	Femtosecond Extreme Ultraviolet Photoemission Spectroscopy: Observation of Ultrafast Charge Transfer at the n-TiO ₂ /p-Si(100) Interface with Controlled TiO ₂ Oxygen Vacancies. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2769-2776.	3.1	16

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91	Real-Time Probing of Electron Dynamics Using Attosecond Time-Resolved Spectroscopy. Annual Review of Physical Chemistry, 2016, 67, 41-63.	10.8	168
92	Investigation of coupling mechanisms in attosecond transient absorption of autoionizing states: comparison of theory and experiment in xenon. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 125601.	1.5	14
93	<i>Operando</i> Spectroscopic Analysis of an Amorphous Cobalt Sulfide Hydrogen Evolution Electrocatalyst. Journal of the American Chemical Society, 2015, 137, 7448-7455.	13.7	330
94	Direct Observation of the Transition-State Region in the Photodissociation of CH ₃ I by Femtosecond Extreme Ultraviolet Transient Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2015, 6, 5072-5077.	4.6	60
95	Detection and Identification of the Keto-Hydroperoxide (HOOCH ₂ OCHO) and Other Intermediates during Low-Temperature Oxidation of Dimethyl Ether. Journal of Physical Chemistry A, 2015, 119, 7361-7374.	2.5	143
96	Probing ultrafast dynamics with attosecond transient absorption. Chemical Physics Letters, 2015, 624, 119-130.	2.6	84
97	Attosecond transient absorption probing of electronic superpositions of bound states in neon: detection of quantum beats. New Journal of Physics, 2014, 16, 113016.	2.9	54
98	High-spectral-resolution attosecond absorption spectroscopy of autoionization in xenon. Physical Review A, 2014, 89, .	2.5	54
99	Attosecond band-gap dynamics in silicon. Science, 2014, 346, 1348-1352.	12.6	415
100	What will it take to observe processes in 'real time'?. Nature Photonics, 2014, 8, 162-166.	31.4	220
101	Thermal Decomposition Mechanisms of Alkylimidazolium Ionic Liquids with Cyano-Functionalized Anions. Journal of Physical Chemistry A, 2014, 118, 11119-11132.	2.5	49
102	Core-to-valence spectroscopic detection of the CH ₂ Br radical and element-specific femtosecond photodissociation dynamics of CH ₂ I ₂ . Journal of Chemical Physics, 2014, 141, 164308.	3.0	31
103	Characterization of Photo-Induced Charge Transfer and Hot Carrier Relaxation Pathways in Spinel Cobalt Oxide (Co ₃ O ₄). Journal of Physical Chemistry C, 2014, 118, 22774-22784.	3.1	78
104	Shapes and vorticities of superfluid helium nanodroplets. Science, 2014, 345, 906-909.	12.6	197
105	Atomic-Scale Perspective of Ultrafast Charge Transfer at a Dye-Semiconductor Interface. Journal of Physical Chemistry Letters, 2014, 5, 2753-2759.	4.6	79
106	Ionization and dissociation dynamics of vinyl bromide probed by femtosecond extreme ultraviolet transient absorption spectroscopy. Journal of Chemical Physics, 2014, 140, 064311.	3.0	26
107	Characterization of vibrational wave packets by core-level high-harmonic transient absorption spectroscopy. Physical Review A, 2013, 88, .	2.5	52
108	Capturing Ultrafast Quantum Dynamics with Femtosecond and Attosecond X-ray Core-Level Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2013, 4, 292-302.	4.6	57

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109	Intensity dependence of light-induced states in transient absorption of laser-dressed helium measured with isolated attosecond pulses. <i>Journal of Modern Optics</i> , 2013, 60, 1506-1516.	1.3	22
110	Simulation of attosecond-resolved imaging of the plasmon electric field in metallic nanoparticles. <i>Annalen Der Physik</i> , 2013, 525, 151-161.	2.4	16
111	Femtosecond M _{2,3} -Edge Spectroscopy of Transition-Metal Oxides: Photoinduced Oxidation State Change in LaFe_2O_3 . <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3667-3671.	4.6	110
112	Calculation of valence electron motion induced by sequential strong-field ionisation. <i>Molecular Physics</i> , 2013, 111, 2283-2291.	1.7	10
113	Alternating absorption features during attosecond-pulse propagation in a laser-controlled gaseous medium. <i>Physical Review A</i> , 2013, 88, .	2.5	29
114	Strong-field induced XUV transmission and multiplet splitting in $4d^{16}p$ core-excited Xe studied by femtosecond XUV transient absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2012, 137, 244305.	3.0	29
115	Light-induced states in attosecond transient absorption spectra of laser-dressed helium. <i>Physical Review A</i> , 2012, 86, .	2.5	112
116	Ultrafast decay of superexcited $\text{Cl}^{\text{u}}4n\text{lgv}=0,1$ states of O ₂ probed with femtosecond photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2012, 136, 214303.	3.0	9
117	Ultraviolet Photoionization Efficiency of the Vaporized Ionic Liquid 1-Butyl-3-methylimidazolium Tricyanomethanide: Direct Detection of the Intact Ion Pair. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2910-2914.	4.6	17
118	Thermal Decomposition Mechanism of 1-Ethyl-3-methylimidazolium Bromide Ionic Liquid. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5867-5876.	2.5	57
119	Soft Ionization of Thermally Evaporated Hypergolic Ionic Liquid Aerosols. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4630-4635.	2.5	23
120	Evidence for Multiple Trapping Mechanisms in Single CdSe/ZnS Quantum Dots from Fluorescence Intermittency Measurements over a Wide Range of Excitation Intensities. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6341-6349.	3.1	45
121	Real-time observation of valence electron motion. <i>Nature</i> , 2010, 466, 739-743.	27.8	1,040
122	Time-resolved photoelectron angular distributions and cross-section ratios of two-colour two-photon above threshold ionization of helium. <i>Molecular Physics</i> , 2010, 108, 1241-1251.	1.7	14
123	Tunable Wavelength Soft Photoionization of Ionic Liquid Vapors. <i>Journal of Physical Chemistry A</i> , 2010, 114, 879-883.	2.5	29
124	Nanometer-scale dielectric constant of Ge quantum dots using apertureless near-field scanning optical microscopy. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	17
125	Heats of Vaporization of Room Temperature Ionic Liquids by Tunable Vacuum Ultraviolet Photoionization. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1361-1367.	2.6	49
126	Chemical dynamics, molecular energetics, and kinetics at the synchrotron. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6564.	2.8	73

#	ARTICLE	IF	CITATIONS
127	Observing hydrogen silsesquioxane cross-linking with broadband CARS. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 770-774.	2.5	23
128	Electrical properties of InGaN/Si heterojunctions. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, S413.	0.8	25
129	Ultrafast predissociation of superexcited nitrogen molecules. <i>Molecular Physics</i> , 2008, 106, 275-280.	1.7	18
130	Ultrafast strong-field dissociative ionization dynamics of CH ₂ Br ₂ probed by femtosecond soft x-ray transient absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2008, 128, 204302.	3.0	57
131	A tabletop femtosecond time-resolved soft x-ray transient absorption spectrometer. <i>Review of Scientific Instruments</i> , 2008, 79, 073101.	1.3	31
132	Ultrafast atomic and molecular dynamics with high-order harmonic probes. , 2008, , .		0
133	Photoelectron Spectrum of Isolated Ion-Pairs in Ionic Liquid Vapor. <i>Journal of Physical Chemistry A</i> , 2007, 111, 3191-3195.	2.5	106
134	Vacuum Ultraviolet (VUV) Photoionization of Small Water Clusters. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10075-10083.	2.5	143
135	Thermal Vaporization of Biological Nanoparticles: A Fragment-Free Vacuum Ultraviolet Photoionization Mass Spectra of Tryptophan, Phenylalanine, Glycine, and β -Carotene. <i>Journal of Physical Chemistry A</i> , 2006, 110, 2106-2113.	2.5	98
136	Investigating the chemical composition of mixed organic-inorganic particles by soft vacuum ultraviolet photoionization: The reaction of ozone with anthracene on sodium chloride particles. <i>International Journal of Mass Spectrometry</i> , 2006, 258, 74-85.	1.5	71
137	Scanning x-ray microscopy investigations into the electron-beam exposure mechanism of hydrogen silsesquioxane resists. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 3048.	1.3	12
138	Kinetics of C ₂ H Reactions with Hydrocarbons and Nitriles in the 104-296 K Temperature Range. <i>Journal of Physical Chemistry A</i> , 2004, 108, 1746-1752.	2.5	51
139	Product State Distributions of Vibrationally Excited CO(v) for the CH(X ² Σ) and CH(A ² Σ^+) Channels of the C ₂ H + O(3P) Reaction. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10770-10782.	2.5	12
140	Inducing a sign inversion in one state of a two-state superposition using ultrafast pulse shaping. <i>Physical Review A</i> , 2003, 68, .	2.5	9
141	Water Vapor Uptake in Photolithographic Polymers Observed by Infrared Near-Field Scanning Optical Microscopy in a Controlled Environment. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4951-4954.	2.6	14
142	Simultaneous phase control of Li ₂ wave packets in two electronic states. <i>Journal of Chemical Physics</i> , 2002, 116, 946-954.	3.0	23
143	Optimization of wave packet coefficients in Li ₂ using an evolutionary algorithm: The role of resonant and nonresonant wavelengths. <i>Journal of Chemical Physics</i> , 2002, 116, 1350-1360.	3.0	30
144	Ultrafast photodissociation of Br ₂ : Laser-generated high-harmonic soft x-ray probing of the transient photoelectron spectra and ionization cross sections. <i>Journal of Chemical Physics</i> , 2002, 117, 6108-6116.	3.0	40

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145	Effect of nonresonant frequencies on the enhancement of quantum beat amplitudes in rovibrational states of Li ₂ : The role of state spacing. <i>Journal of Chemical Physics</i> , 2002, 117, 11228-11238.	3.0	5
146	Atomic force microscopy study of the growth and annealing of Ge islands on Si(100). <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2002, 20, 678.	1.6	8
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148	Experimental implementation of the Deutsch-Jozsa algorithm for three-qubit functions using pure coherent molecular superpositions. <i>Physical Review A</i> , 2002, 66, .	2.5	76
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