Linda Young

List of Publications by Year in descending order

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42 papers	2,043 citations	394421 19 h-index	302126 39 g-index
42 all docs	42 docs citations	42 times ranked	2351 citing authors

#	Article	IF	Citations
1	Femtosecond electronic response of atoms to ultra-intense X-rays. Nature, 2010, 466, 56-61.	27.8	711
2	Nonlinear Atomic Response to Intense Ultrashort X Rays. Physical Review Letters, 2011, 106, 083002.	7.8	221
3	Observation of the fastest chemical processes in the radiolysis of water. Science, 2020, 367, 179-182.	12.6	149
4	Femtosecond response of polyatomic molecules to ultra-intense hard X-rays. Nature, 2017, 546, 129-132.	27.8	139
5	Unveiling and Driving Hidden Resonances with High-Fluence, High-Intensity X-Ray Pulses. Physical Review Letters, 2011, 107, 233001.	7.8	131
6	X-Ray Microprobe of Orbital Alignment in Strong-Field Ionized Atoms. Physical Review Letters, 2006, 97, 083601.	7.8	71
7	Hetero-site-specific X-ray pump-probe spectroscopy for femtosecond intramolecular dynamics. Nature Communications, 2016, 7, 11652.	12.8	70
8	Theoretical Tracking of Resonance-Enhanced Multiple Ionization Pathways in X-ray Free-Electron Laser Pulses. Physical Review Letters, 2014, 113, 253001.	7.8	48
9	Manifestations of Nonlocal Exchange, Correlation, and Dynamic Effects in X-Ray Scattering. Physical Review Letters, 1998, 81, 1596-1599.	7.8	43
10	Electronic Population Transfer via Impulsive Stimulated X-Ray Raman Scattering with Attosecond Soft-X-Ray Pulses. Physical Review Letters, 2020, 125, 073203.	7.8	42
11	Spin-orbit effect on strong-field ionization of krypton. Physical Review A, 2006, 74, .	2.5	38
12	An x-ray probe of laser-aligned molecules. Applied Physics Letters, 2008, 92, .	3.3	37
13	Chemical Understanding of the Limited Site-Specificity in Molecular Inner-Shell Photofragmentation. Journal of Physical Chemistry Letters, 2018, 9, 1156-1163.	4.6	31
14	Using Ultrafast X-ray Spectroscopy To Address Questions in Ligand-Field Theory: The Excited State Spin and Structure of [Fe(dcpp)₂]²⁺. Inorganic Chemistry, 2019, 58, 9341-9350.	4.0	29
15	Resonant Inelastic X-Ray Scattering Reveals Hidden Local Transitions of the Aqueous OH Radical. Physical Review Letters, 2020, 124, 236001.	7.8	28
16	Probing Transient Valence Orbital Changes with Picosecond Valence-to-Core X-ray Emission Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 2620-2626.	3.1	27
17	The role of transient resonances for ultra-fast imaging of single sucrose nanoclusters. Nature Communications, 2020, 11, 167.	12.8	27
18	K-edge x-ray-absorption spectroscopy of laser-generatedKr+andKr2+. Physical Review A, 2007, 76, .	2.5	26

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19	Elucidation of the photoaquation reaction mechanism in ferrous hexacyanide using synchrotron x-rays with sub-pulse-duration sensitivity. Journal of Chemical Physics, 2019, 151, 144306.	3.0	24
20	Three-dimensional optical trapping and orientation of microparticles for coherent X-ray diffraction imaging. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4018-4024.	7.1	18
21	Atomistic three-dimensional coherent x-ray imaging of nonbiological systems. Physical Review A, 2016, 94, .	2.5	15
22	Alignment dynamics in a laser-produced plasma. Physical Review A, 2007, 75, .	2.5	14
23	A simple cross-correlation technique between infrared and hard x-ray pulses. Applied Physics Letters, 2009, 94, 171113.	3.3	12
24	Observing pre-edge<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>K</mml:mi></mml:math>-shell resonances in Kr, Xe, and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>XeF</mml:mi><mml:mn>2</mml:mn></mml:msub></mm Physical Review A, 2019, 100, .	2.5	11
25	Hetero-site Double Core Ionization Energies with Sub-electronvolt Accuracy from Delta-Coupled-Cluster Calculations. Journal of Physical Chemistry A, 2020, 124, 4413-4426.	2.5	11
26	Characterization of the spatiotemporal evolution of laser-generated plasmas. Journal of Applied Physics, 2008, 104, .	2.5	10
27	The â€œHoleâ€•Story in Ionized Water from the Perspective of Ehrenfest Dynamics. Journal of Physical Chemistry Letters, 2020, 11, 9946-9951.	4.6	8
28	Resonant propagation of x rays from the linear to the nonlinear regime. Physical Review A, 2020, 102, .	2.5	8
29	From synchrotrons for XFELs: the soft x-ray near-edge spectrum of the ESCA molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 244011.	1.5	7
30	Micro-focused MHz pink beam for time-resolved X-ray emission spectroscopy. Journal of Synchrotron Radiation, 2019, 26, 1956-1966.	2.4	7
31	Pulse Energy and Pulse Duration Effects in the Ionization and Fragmentation of Iodomethane by Ultraintense Hard X Rays. Physical Review Letters, 2021, 127, 093202.	7.8	6
32	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.	1.5	5
33	X-ray microprobe of optical strong-field processes. Radiation Physics and Chemistry, 2006, 75, 1799-1807.	2.8	4
34	Resonant x-ray absorption of strong-field-ionized CF₃Br. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 244009.	1.5	4
35	Fluorescence intensity correlation imaging with high spatial resolution and elemental contrast using intense x-ray pulses. Structural Dynamics, 2021, 8, 044101.	2.3	3
36	Relation between Inner Structural Dynamics and Ion Dynamics of Laser-Heated Nanoparticles. Physical Review X, 2021, 11, .	8.9	3

#	Article	IF	Citations
37	Extended x-ray emission times of clusters in intense x-ray pulses. Physical Review A, 2020, 101, .	2.5	2
38	Ultraintense, ultrashort pulse X-ray scattering in small molecules. Faraday Discussions, 2021, 228, 139-160.	3.2	2
39	Photon-In/Photon-Out X-ray Free-Electron Laser Studies of Radiolysis. Applied Sciences (Switzerland), 2021, 11, 701.	2.5	1
40	Nondipolar photoelectron angular distributions. , 1997, , .		0
41	CLEOÂ®/Europe-EQEC 2021 X-ray Free-Electron Lasers: the Attosecond â€“ Ã…ngstrom Frontier for Molecular Dynamics. , 2021, , .		0
42	X-ray Free-Electron Lasers: A New Tool for Atomic, Molecular and Chemical Dynamics. ACS Symposium Series, 0, , 15-48.	0.5	0