

Luis Miaja-Avila

List of Publications by Year in descending order

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32
papers

1,864
citations

471509

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552781

26
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32
all docs

32
docs citations

32
times ranked

2853
citing authors

#	ARTICLE	IF	CITATIONS
1	Valence-core X-ray emission spectroscopy of titanium compounds using energy dispersive detectors. X-Ray Spectrometry, 2021, 50, 9-20.	1.4	12
2	Extreme Ultraviolet Radiation Pulsed Atom Probe Tomography of III-Nitride Semiconductor Materials. Journal of Physical Chemistry C, 2021, 125, 2626-2635.	3.1	3
3	Correcting Systematic Energy Deficits in the Laser-pulsed Atom Probe Mass Spectrum of SiO ₂ . Microscopy and Microanalysis, 2020, 26, 2880-2881.	0.4	0
4	An algorithm for correcting systematic energy deficits in the atom probe mass spectra of insulating samples. Ultramicroscopy, 2020, 213, 112995.	1.9	7
5	Field Ion Emission in an Atom Probe Microscope Triggered by Femtosecond-Pulsed Coherent Extreme Ultraviolet Light. Microscopy and Microanalysis, 2020, 26, 258-266.	0.4	11
6	Atom probe tomography using Extreme-Ultraviolet Light. , 2020, , .		0
7	Atom Probe Tomography Using a Wavelength-Tunable Femtosecond-Pulsed Coherent Extreme Ultraviolet Light Source. Microscopy and Microanalysis, 2019, 25, 314-315.	0.4	0
8	A Three-Dimensional Atom Probe Microscope Incorporating a Wavelength-Tuneable Femtosecond-Pulsed Coherent Extreme Ultraviolet Light Source. MRS Advances, 2019, 4, 2367-2375.	0.9	11
9	Atom Probe Tomography with Extreme-Ultraviolet Light. , 2019, , .		0
10	Near- and Extended-Edge X-Ray-Absorption Fine-Structure Spectroscopy Using Ultrafast Coherent High-Order Harmonic Supercontinua. Physical Review Letters, 2018, 120, 093002.	7.8	121
11	Ultrafast Time-Resolved X-ray Absorption Spectroscopy of Ferrioxalate Photolysis with a Laser Plasma X-ray Source and Microcalorimeter Array. Journal of Physical Chemistry Letters, 2017, 8, 1099-1104.	4.6	35
12	A practical superconducting-microcalorimeter X-ray spectrometer for beamline and laboratory science. Review of Scientific Instruments, 2017, 88, 053108.	1.3	96
13	Beating Darwin-Bragg losses in lab-based ultrafast x-ray experiments. Structural Dynamics, 2017, 4, 044011.	2.3	3
14	Observation of iron spin-states using tabletop x-ray emission spectroscopy and microcalorimeter sensors. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 024003.	1.5	18
15	Ultrafast Time-Resolved Hard X-Ray Emission Spectroscopy on a Tabletop. Physical Review X, 2016, 6, .	8.9	23
16	High-resolution X-ray emission spectroscopy with transition-edge sensors: present performance and future potential. Journal of Synchrotron Radiation, 2015, 22, 766-775.	2.4	59
17	Laser plasma x-ray source for ultrafast time-resolved x-ray absorption spectroscopy. Structural Dynamics, 2015, 2, 024301.	2.3	46
18	Ultrafast optical properties of lithographically defined quantum dot amplifiers. Applied Physics Letters, 2014, 104, 061106.	3.3	1

#	ARTICLE	IF	CITATIONS
19	Gain and Loss in Active Waveguides Based on Lithographically Defined Quantum Dots. IEEE Photonics Technology Letters, 2014, 26, 1283-1286.	2.5	0
20	Photoelectron Spectroscopy of CdSe Nanocrystals in the Gas Phase: A Direct Measure of the Evanescent Electron Wave Function of Quantum Dots. Nano Letters, 2013, 13, 2924-2930.	9.1	40
21	Direct Mapping of Hot-Electron Relaxation and Multiplication Dynamics in PbSe Quantum Dots. Nano Letters, 2012, 12, 1588-1591.	9.1	41
22	Collapse of long-range charge order tracked by time-resolved photoemission at high momenta. Nature, 2011, 471, 490-493.	27.8	406
23	Communication: Momentum-resolved quantum interference in optically excited surface states. Journal of Chemical Physics, 2011, 135, 031101.	3.0	19
24	Observing the Multiexciton State in Singlet Fission and Ensuing Ultrafast Multielectron Transfer. Science, 2011, 334, 1541-1545.	12.6	468
25	Ultrafast studies of electronic processes at surfaces using the laser-assisted photoelectric effect with long-wavelength dressing light. Physical Review A, 2009, 79, .	2.5	17
26	Time and angle resolved photoemission spectroscopy using femtosecond visible and high-harmonic light. Journal of Physics: Conference Series, 2009, 148, 012042.	0.4	12
27	Laser-Assisted Photoemission from Surfaces driven by Long-Wavelength Infrared light. , 2009, , .		0
28	Laser-assisted photoemission from surfaces. Physical Review A, 2008, 77, .	2.5	79
29	Direct Measurement of Core-Level Relaxation Dynamics on a Surface-Adsorbate System. Physical Review Letters, 2008, 101, 046101.	7.8	88
30	Angle-resolved photoemission spectroscopy with a femtosecond high harmonic light source using a two-dimensional imaging electron analyzer. Review of Scientific Instruments, 2007, 78, 083105.	1.3	83
31	Laser-Assisted Photoelectric Effect from Surfaces. Physical Review Letters, 2006, 97, 113604.	7.8	151
32	A Polarization Survey of SiO Maser Variability in Evolved Stars. Astrophysical Journal, 2003, 588, 478-485.	4.5	14