

Maher Harb

List of Publications by Year in descending order

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27
papers

1,670
citations

516215

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794141

19
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28
all docs

28
docs citations

28
times ranked

1729
citing authors

#	ARTICLE	IF	CITATIONS
1	FemtoMAX – an X-ray beamline for structural dynamics at the short-pulse facility of MAX IV. Journal of Synchrotron Radiation, 2018, 25, 570-579.	1.0	17
2	Through a Window, Brightly: A Review of Selected Nanofabricated Thin-Film Platforms for Spectroscopy, Imaging, and Detection. Applied Spectroscopy, 2017, 71, 2051-2075.	1.2	36
3	Nanofluidic Cells with Controlled Pathlength and Liquid Flow for Rapid, High-Resolution In Situ Imaging with Electrons. Journal of Physical Chemistry Letters, 2013, 4, 2339-2347.	2.1	60
4	Full characterization of RF compressed femtosecond electron pulses using ponderomotive scattering. Optics Express, 2012, 20, 12048.	1.7	106
5	The c-axis thermal conductivity of graphite film of nanometer thickness measured by time resolved X-ray diffraction. Applied Physics Letters, 2012, 101, 233108.	1.5	66
6	Picosecond time-resolved x-ray reflectivity of a laser-heated amorphous carbon film. Applied Physics Letters, 2011, 98, 101909.	1.5	11
7	'Making the molecular movie': first frames. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, 137-156.	0.3	84
8	Excitation of longitudinal and transverse coherent acoustic phonons in nanometer free-standing films of (001) Si. Physical Review B, 2009, 79, .	1.1	81
9	Electronic acceleration of atomic motions and disordering in bismuth. Nature, 2009, 458, 56-59.	13.7	253
10	The Formation of Warm Dense Matter: Experimental Evidence for Electronic Bond Hardening in Gold. Science, 2009, 323, 1033-1037.	6.0	294
11	Direct Visualization of Electron Emission during Femtosecond Laser Ablation. Springer Series in Chemical Physics, 2009, , 693-695.	0.2	0
12	Electronically Driven Structural Dynamics of Si Resolved by Femtosecond Electron Diffraction. Springer Series in Chemical Physics, 2009, , 158-160.	0.2	0
13	Grating Enhanced Ponderomotive Scattering for Characterization of Femtosecond Electron Pulses. Springer Series in Chemical Physics, 2009, , 994-996.	0.2	0
14	Grating enhanced ponderomotive scattering for visualization and full characterization of femtosecond electron pulses. Optics Express, 2008, 16, 3334.	1.7	93
15	Electronically Driven Structure Changes of Si Captured by Femtosecond Electron Diffraction. Physical Review Letters, 2008, 100, 155504.	2.9	150
16	Time-resolved visualization of electric fields during femtosecond laser ablation. , 2008, , .		0
17	Direct visualization of charge distributions during femtosecond laser ablation of a Si (100) surface. Physical Review B, 2008, 78, .	1.1	42
18	Non-Thermal Collapse of the Silicon Lattice Observed with Femtosecond Electron Diffraction. , 2007, , LTuA3.		0

#	ARTICLE	IF	CITATIONS
19	Experimental basics for femtosecond electron diffraction studies. Journal of Modern Optics, 2007, 54, 923-942.	0.6	14
20	Femtosecond electron diffraction: an atomic perspective of condensed phase dynamics. Journal of Modern Optics, 2007, 54, 905-922.	0.6	26
21	Carrier Relaxation and Lattice Heating Dynamics in Silicon Revealed by Femtosecond Electron Diffraction. Journal of Physical Chemistry B, 2006, 110, 25308-25313.	1.2	81
22	Femtosecond electron pulse characterization using laser ponderomotive scattering. Optics Letters, 2006, 31, 3517.	1.7	73
23	Femtosecond electron diffraction: "making the molecular movie". Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 741-778.	1.6	176
24	Characterization of ultrashort electron pulses. , 2006, , .		0
25	Femtosecond Electron Diffraction Study on the Melting Dynamics of Gold. , 2006, , .		1
26	Femtosecond electron diffraction: making the "molecular movie". , 2005, , .		0
27	A Hybrid Model of a Small Autofurling Wind Turbine. JVC/Journal of Vibration and Control, 2001, 7, 127-148.	1.5	6