

Maher Harb

List of Publications by Year in descending order

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27
papers

1,670
citations

516215

16
h-index

794141

19
g-index

28
all docs

28
docs citations

28
times ranked

1729
citing authors

#	ARTICLE	IF	CITATIONS
1	The Formation of Warm Dense Matter: Experimental Evidence for Electronic Bond Hardening in Gold. <i>Science</i> , 2009, 323, 1033-1037.	6.0	294
2	Electronic acceleration of atomic motions and disordering in bismuth. <i>Nature</i> , 2009, 458, 56-59.	13.7	253
3	Femtosecond electron diffraction: "making the molecular movie"™. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 741-778.	1.6	176
4	Electronically Driven Structure Changes of Si Captured by Femtosecond Electron Diffraction. <i>Physical Review Letters</i> , 2008, 100, 155504.	2.9	150
5	Full characterization of RF compressed femtosecond electron pulses using ponderomotive scattering. <i>Optics Express</i> , 2012, 20, 12048.	1.7	106
6	Grating enhanced ponderomotive scattering for visualization and full characterization of femtosecond electron pulses. <i>Optics Express</i> , 2008, 16, 3334.	1.7	93
7	"Making the molecular movie": first frames. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, 137-156.	0.3	84
8	Carrier Relaxation and Lattice Heating Dynamics in Silicon Revealed by Femtosecond Electron Diffraction. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25308-25313.	1.2	81
9	Excitation of longitudinal and transverse coherent acoustic phonons in nanometer free-standing films of (001) Si. <i>Physical Review B</i> , 2009, 79, .	1.1	81
10	Femtosecond electron pulse characterization using laser ponderomotive scattering. <i>Optics Letters</i> , 2006, 31, 3517.	1.7	73
11	The c-axis thermal conductivity of graphite film of nanometer thickness measured by time resolved X-ray diffraction. <i>Applied Physics Letters</i> , 2012, 101, 233108.	1.5	66
12	Nanofluidic Cells with Controlled Pathlength and Liquid Flow for Rapid, High-Resolution In Situ Imaging with Electrons. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2339-2347.	2.1	60
13	Direct visualization of charge distributions during femtosecond laser ablation of a Si (100) surface. <i>Physical Review B</i> , 2008, 78, .	1.1	42
14	Through a Window, Brightly: A Review of Selected Nanofabricated Thin-Film Platforms for Spectroscopy, Imaging, and Detection. <i>Applied Spectroscopy</i> , 2017, 71, 2051-2075.	1.2	36
15	Femtosecond electron diffraction: an atomic perspective of condensed phase dynamics. <i>Journal of Modern Optics</i> , 2007, 54, 905-922.	0.6	26
16	FemtoMAX " an X-ray beamline for structural dynamics at the short-pulse facility of MAX IV. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 570-579.	1.0	17
17	Experimental basics for femtosecond electron diffraction studies. <i>Journal of Modern Optics</i> , 2007, 54, 923-942.	0.6	14
18	Picosecond time-resolved x-ray reflectivity of a laser-heated amorphous carbon film. <i>Applied Physics Letters</i> , 2011, 98, 101909.	1.5	11

#	ARTICLE	IF	CITATIONS
19	A Hybrid Model of a Small Autofurling Wind Turbine. JVC/Journal of Vibration and Control, 2001, 7, 127-148.	1.5	6
20	Femtosecond Electron Diffraction Study on the Melting Dynamics of Gold. , 2006, , .		1
21	Femtosecond electron diffraction: making the "molecular movie". , 2005, , .		0
22	Non-Thermal Collapse of the Silicon Lattice Observed with Femtosecond Electron Diffraction. , 2007, , LTuA3.		0
23	Time-resolved visualization of electric fields during femtosecond laser ablation. , 2008, , .		0
24	Direct Visualization of Electron Emission during Femtosecond Laser Ablation. Springer Series in Chemical Physics, 2009, , 693-695.	0.2	0
25	Characterization of ultrashort electron pulses. , 2006, , .		0
26	Electronically Driven Structural Dynamics of Si Resolved by Femtosecond Electron Diffraction. Springer Series in Chemical Physics, 2009, , 158-160.	0.2	0
27	Grating Enhanced Ponderomotive Scattering for Characterization of Femtosecond Electron Pulses. Springer Series in Chemical Physics, 2009, , 994-996.	0.2	0