List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Ultrafast visualization of incipient plasticity in dynamically compressed matter. Nature Communications, 2022, 13, 1055.	12.8	7
2	Development of an L-band photocathode RF gun at Tsinghua University. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 985, 164675.	1.6	3
3	Longitudinal phase space manipulation with planar corrugated wakefield structures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 987, 164819.	1.6	1
4	Cascaded high-gradient terahertz-driven acceleration of relativistic electron beams. Nature Photonics, 2021, 15, 426-430.	31.4	44
5	Generation of Tunable 10-mJ-Level Terahertz Pulses through Nonlinear Plasma Wakefield Modulation. Physical Review Applied, 2021, 15, .	3.8	5
6	Quantitative agreement between dynamical rocking curves in ultrafast electron diffraction for x-ray lasers. Ultramicroscopy, 2021, 223, 113211.	1.9	1
7	Photo-induced ultrafast phase transition in twisted bilayer graphene. Microscopy and Microanalysis, 2021, 27, 2954-2956.	0.4	0
8	Fast attenuation of high-frequency acoustic waves in bicontinuous nanoporous gold. Applied Physics Letters, 2021, 119, .	3.3	2
9	Role of Equilibrium Fluctuations in Light-Induced Order. Physical Review Letters, 2021, 127, 227401.	7.8	16
10	Analysis of slice transverse emittance evolution in a very-high-frequency gun photoinjector. Physical Review Accelerators and Beams, 2021, 24, .	1.6	2
11	Light-induced charge density wave in LaTe3. Nature Physics, 2020, 16, 159-163.	16.7	157
12	Ultrafast formation of a transient two-dimensional diamondlike structure in twisted bilayer graphene. Physical Review B, 2020, 102, .	3.2	8
13	Simultaneous observation of nuclear and electronic dynamics by ultrafast electron diffraction. Science, 2020, 368, 885-889.	12.6	92
14	Coherent Lattice Wobbling and Out-of-Phase Intensity Oscillations of Friedel Pairs Observed by Ultrafast Electron Diffraction. ACS Nano, 2020, 14, 8449-8458.	14.6	5
15	Tracking the ultrafast nonequilibrium energy flow between electronic and lattice degrees of freedom in crystalline nickel. Physical Review B, 2020, 101, .	3.2	41
16	Concurrent probing of electron-lattice dephasing induced by photoexcitation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:mrow><mml:mn>1</mml:mn><mml:mi>T-TaSeTe using ultrafast electron diffraction. Physical Review B, 2020, 101, .</mml:mi></mml:mrow></mml:math 	ni> <b>⊲/12</b> ml:r	nrœv>
17	Femtosecond Compression Dynamics and Timing Jitter Suppression in a THz-driven Electron Bunch Compressor. Physical Review Letters, 2020, 124, 054801.	7.8	68
18	Spectroscopic and Structural Probing of Excited-State Molecular Dynamics with Time-Resolved	8.9	11

Spectroscopic and Structural Probing of Excited-State Molecular Dynamics with Time-Resolved Photoelectron Spectroscopy and Ultrafast Electron Diffraction. Physical Review X, 2020, 10, . 8.9 18

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19	Single-shot spatial-temporal electric field measurement of intense terahertz pulses from coherent transition radiation. Physical Review Accelerators and Beams, 2020, 23, .	1.6	8
20	Optical Control of Non-Equilibrium Phonon Dynamics. Nano Letters, 2019, 19, 4981-4989.	9.1	27
21	Diffractive imaging of dissociation and ground-state dynamics in a complex molecule. Physical Review A, 2019, 100, .	2.5	21
22	Dynamical Slowing-Down in an Ultrafast Photoinduced Phase Transition. Physical Review Letters, 2019, 123, 097601.	7.8	50
23	Imaging the ring opening reaction of 1,3-cyclohexadiene with MeV ultrafast electron diffraction. EPJ Web of Conferences, 2019, 205, 07006.	0.3	0
24	Photoinduced dynamics of nematic order parameter in FeSe. Physical Review B, 2019, 99, .	3.2	14
25	Visualization of ultrafast melting initiated from radiation-driven defects in solids. Science Advances, 2019, 5, eaaw0392.	10.3	19
26	High-brightness beam tests of the very high frequency gun at the Advanced Photo-injector EXperiment test facility at the Lawrence Berkeley National Laboratory. Review of Scientific Instruments, 2019, 90, 033304.	1.3	16
27	The photochemical ring-opening of 1,3-cyclohexadiene imaged by ultrafast electron diffraction. Nature Chemistry, 2019, 11, 504-509.	13.6	157
28	Femtosecond gas-phase mega-electron-volt ultrafast electron diffraction. Structural Dynamics, 2019, 6, 054305.	2.3	36
29	THz-driven bunch compression and timing stabilization of a relativistic electron beam. , 2019, , .		0
30	An ultrafast symmetry switch in a Weyl semimetal. Nature, 2019, 565, 61-66.	27.8	307
31	Parallel-plate waveguides for terahertz-driven MeV electron bunch compression. Optics Express, 2019, 27, 23791.	3.4	14
32	Parallel-Plate THz Waveguides for Relativistic Electron Bunch Compression. , 2019, , .		2
33	High-Energy Time-Resolved Electron Diffraction. Springer Handbooks, 2019, , 971-1008.	0.6	3
34	Beyond a phenomenological description of magnetostriction. Nature Communications, 2018, 9, 388.	12.8	48
35	Nonequilibrium electron and lattice dynamics of strongly correlated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+Î</sub> single crystals. Science Advances, 2018, 4, eaap7427.	10.3	58
36	Femtosecond mega-electron-volt electron microdiffraction. Ultramicroscopy, 2018, 184, 172-176.	1.9	51

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37	Modeling of THz Pump Induced Plasmonic Oscillations in Silicon Membranes. , 2018, , .		0
38	Determination of the electron-lattice coupling strength of copper with ultrafast MeV electron diffraction. Review of Scientific Instruments, 2018, 89, 10C108.	1.3	8
39	Ultrafast manipulation of mirror domain walls in a charge density wave. Science Advances, 2018, 4, eaau5501.	10.3	70
40	Imaging CF <sub>3</sub> I conical intersection and photodissociation dynamics with ultrafast electron diffraction. Science, 2018, 361, 64-67.	12.6	170
41	Heterogeneous to homogeneous melting transition visualized with ultrafast electron diffraction. Science, 2018, 360, 1451-1455.	12.6	133
42	Dynamics of Electron–Phonon Coupling in Bicontinuous Nanoporous Gold. Journal of Physical Chemistry C, 2018, 122, 16368-16373.	3.1	15
43	Development of a THz Pump MeV Ultrafast Electron Diffraction Probe Apparatus. , 2018, , .		0
44	Stacking order dynamics in the quasi-two-dimensional dichalcogenide 1 <i>T</i> -TaS2 probed with MeV ultrafast electron diffraction. Structural Dynamics, 2017, 4, 044020.	2.3	28
45	A direct electron detector for time-resolved MeV electron microscopy. Review of Scientific Instruments, 2017, 88, 033702.	1.3	15
46	Light-induced picosecond rotational disordering of the inorganic sublattice in hybrid perovskites. Science Advances, 2017, 3, e1602388.	10.3	149
47	Carrier-Specific Femtosecond XUV Transient Absorption of PbI <sub>2</sub> Reveals Ultrafast Nonradiative Recombination. Journal of Physical Chemistry C, 2017, 121, 27886-27893.	3.1	30
48	Ultrafast non-radiative dynamics of atomically thin MoSe2. Nature Communications, 2017, 8, 1745.	12.8	52
49	Electron-lattice energy relaxation in laser-excited thin-film Au-insulator heterostructures studied by ultrafast MeV electron diffraction. Structural Dynamics, 2017, 4, 054501.	2.3	29
50	Mega-electron-volt Femtosecond Electron Micro-diffraction Microscopy and Microanalysis, 2016, 22, 514-515.	0.4	0
51	Single-shot mega-electronvolt ultrafast electron diffraction for structure dynamic studies of warm dense matter. Review of Scientific Instruments, 2016, 87, 11D810.	1.3	17
52	Diffractive Imaging of Coherent Nuclear Motion in Isolated Molecules. Physical Review Letters, 2016, 117, 153002.	7.8	124
53	Demonstration of Single-Shot Picosecond Time-Resolved MeV Electron Imaging Using a Compact Permanent Magnet Quadrupole Based Lens. Physical Review Letters, 2016, 117, 024801.	7.8	30
54	Helical inverse free electron laser accelerator for efficient production of high quality electron beams. AIP Conference Proceedings, 2016, , .	0.4	1

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55	Femtosecond gas phase electron diffraction with MeV electrons. Faraday Discussions, 2016, 194, 563-581.	3.2	21
56	Diffractive imaging of a rotational wavepacket in nitrogen molecules with femtosecond megaelectronvolt electron pulses. Nature Communications, 2016, 7, 11232.	12.8	92
57	Toward unifying chemical function with molecular structure using strong fields, x-rays, and electrons. , 2016, , .		0
58	Thickness dependent electron-lattice equilibration in thin Bi films studied by time-resolved MeV electron diffraction. , 2016, , .		0
59	Thickness-dependent electron–lattice equilibration in laser-excited thin bismuth films. New Journal of Physics, 2015, 17, 113047.	2.9	28
60	Mega-electron-volt ultrafast electron diffraction at SLAC National Accelerator Laboratory. Review of Scientific Instruments, 2015, 86, 073702.	1.3	322
61	Dynamic Structural Response and Deformations of Monolayer MoS <sub>2</sub> Visualized by Femtosecond Electron Diffraction. Nano Letters, 2015, 15, 6889-6895.	9.1	93
62	Efficient Purification of Ginkgolic Acids from <i>Ginkgo biloba</i> Leaves by Selective Adsorption on Fe <sub>3</sub> O <sub>4</sub> Magnetic Nanoparticles. Journal of Natural Products, 2014, 77, 571-575.	3.0	34
63	High-quality electron beams from a helical inverse free-electron laser accelerator. Nature Communications, 2014, 5, 4928.	12.8	39
64	High brightness electron sources for MeV ultrafast diffraction and microscopy. , 2014, , .		2
65	Surface-Plasmon Resonance-Enhanced Multiphoton Emission of High-Brightness Electron Beams from a Nanostructured Copper Cathode. Physical Review Letters, 2013, 110, 074801.	7.8	88
66	Effect of an ultrafast laser induced plasma on a relativistic electron beam to determine temporal overlap in pump–probe experiments. Ultramicroscopy, 2013, 127, 14-18.	1.9	21
67	Controlling nonlinear longitudinal space charge oscillations for high peak current bunch train generation. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	16
68	Single-shot 35 fs temporal resolution electron shadowgraphy. Applied Physics Letters, 2013, 102, .	3.3	23
69	Generation of first hard X-ray pulse at Tsinghua Thomson Scattering X-ray Source. Review of Scientific Instruments, 2013, 84, 053301.	1.3	81
70	Imaging nanometer-scale beamlets arrays of relativistic electron beams. , 2013, , .		0
71	Preparations for a high gradient inverse free electron laser experiment at Brookhaven national laboratory. , 2013, , .		0
72	Longitudinal phase space manipulation of an ultrashort electron beam via THz IFEL interaction. AIP Conference Proceedings, 2013, , .	0.4	2

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73	Nanometer emittance ultralow charge beams from rf photoinjectors. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	37
74	Inverse free electron laser accelerator for advanced light sources. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	26
75	Simulation optimization of single-shot continuously time-resolved MeV ultra-fast electron diffraction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, S15-S19.	1.6	2
76	Soft X-ray generation experiment at the Tsinghua Thomson scattering X-ray source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, S168-S171.	1.6	8
77	Nonlinear Longitudinal Space Charge Oscillations in Relativistic Electron Beams. Physical Review Letters, 2011, 106, 184801.	7.8	48
78	Imaging single electrons to enable the generation of ultrashort beams for single-shot femtosecond relativistic electron diffraction. Journal of Applied Physics, 2011, 110, .	2.5	30
79	High-Gradient High-Energy-Gain Inverse Free Electron Laser Experiment Using a Helical Undulator. AIP Conference Proceedings, 2010, , .	0.4	1
80	Note: Single-shot continuously time-resolved MeV ultrafast electron diffraction. Review of Scientific Instruments, 2010, 81, 036110.	1.3	58
81	Capturing ultrafast structural evolutions with a single pulse of MeV electrons: Radio frequency streak camera based electron diffraction. Journal of Applied Physics, 2010, 108, .	2.5	52
82	The Compact Pulsed Hadron Source: A Design Perspective. Journal of the Korean Physical Society, 2010, 56, 1928-1936.	0.7	6
83	Measurement of femtosecond electron pulse length and the temporal broadening due to space charge. Review of Scientific Instruments, 2009, 80, 013902.	1.3	21
84	Experimental demonstration of high quality MeV ultrafast electron diffraction. Review of Scientific Instruments, 2009, 80, 083303.	1.3	78
85	Tsinghua Thomson scattering X-ray source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, S70-S74.	1.6	47
86	Efficiency enhancement using electron energy detuning in a laser seeded free electron laser amplifier. Applied Physics Letters, 2007, 91, 181115.	3.3	27
87	Design of a source to supply ultra-fast electron and X-ray pulses. , 2007, , .		0
88	Study of RF-asymmetry in photo-injector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 574, 17-21.	1.6	13