

Luca Poletto

List of Publications by Year in descending order

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276
papers

10,044
citations

53794

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38395

95
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279
all docs

279
docs citations

279
times ranked

6322
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolated Single-Cycle Attosecond Pulses. <i>Science</i> , 2006, 314, 443-446.	12.6	1,496
2	Operation of a free-electron laser from the extreme ultraviolet to the water window. <i>Nature Photonics</i> , 2007, 1, 336-342.	31.4	1,455
3	Ultrafast electron dynamics in phenylalanine initiated by attosecond pulses. <i>Science</i> , 2014, 346, 336-339.	12.6	615
4	Controlling attosecond electron dynamics by phase-stabilized polarization gating. <i>Nature Physics</i> , 2006, 2, 319-322.	16.7	399
5	First operation of a free-electron laser generating GW power radiation at 32Ånm wavelength. <i>European Physical Journal D</i> , 2006, 37, 297-303.	1.3	301
6	High-energy attosecond light sources. <i>Nature Photonics</i> , 2011, 5, 655-663.	31.4	289
7	Nonadiabatic three-dimensional model of high-order harmonic generation in the few-optical-cycle regime. <i>Physical Review A</i> , 2000, 61, .	2.5	230
8	Clocking the Melting Transition of Charge and Lattice Order in $1 < T < T_{TaS} < 2 < \dots >$ Ultrafast Extreme-Ultraviolet Angle-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2011, 107, 177402.	7.8	186
9	Tunable orbital angular momentum in high-harmonic generation. <i>Nature Communications</i> , 2017, 8, 14971.	12.8	145
10	Single-grating monochromator for extreme-ultraviolet ultrashort pulses. <i>Optics Express</i> , 2011, 19, 19169.	3.4	137
11	Effects of Carrier-Envelope Phase Differences of Few-Optical-Cycle Light Pulses in Single-Shot High-Order-Harmonic Spectra. <i>Physical Review Letters</i> , 2003, 91, 213905.	7.8	134
12	The ELI-ALPS facility: the next generation of attosecond sources. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 132002.	1.5	128
13	Metis: the Solar Orbiter visible light and ultraviolet coronal imager. <i>Astronomy and Astrophysics</i> , 2020, 642, A10.	5.1	115
14	Cluster effects in high-order harmonics generated by ultrashort light pulses. <i>Applied Physics Letters</i> , 2005, 86, 111121.	3.3	111
15	Observation of Ultrafast Charge Migration in an Amino Acid. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3751-3754.	4.6	108
16	Push-pull membrane mirrors for adaptive optics. <i>Optics Express</i> , 2006, 14, 11935.	3.4	94
17	Coherent soft X-ray pulses from an echo-enabled harmonic generation free-electron laser. <i>Nature Photonics</i> , 2019, 13, 555-561.	31.4	92
18	Intense femtosecond extreme ultraviolet pulses by using a time-delay-compensated monochromator. <i>Optics Letters</i> , 2007, 32, 2897.	3.3	88

#	ARTICLE	IF	CITATIONS
19	Coherent continuum generation above 100 eV driven by an ir parametric source in a two-color scheme. <i>Physical Review A</i> , 2009, 79, .	2.5	83
20	High-Gain Harmonic-Generation Free-Electron Laser Seeded by Harmonics Generated in Gas. <i>Physical Review Letters</i> , 2011, 107, 224801.	7.8	76
21	Attosecond chronoscopy of electron scattering in dielectric nanoparticles. <i>Nature Physics</i> , 2017, 13, 766-770.	16.7	74
22	Attosecond Pump-Probe Spectroscopy of Charge Dynamics in Tryptophan. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4570-4577.	4.6	74
23	Evidence of Large Polarons in Photoemission Band Mapping of the Perovskite Semiconductor CsPbBr_3 . <i>Physical Review Letters</i> , 2020, 124, 206402.	7.8	74
24	Efficient continuum generation exceeding 200 eV by intense ultrashort two-color driver. <i>Optics Letters</i> , 2009, 34, 3125.	3.3	73
25	High-Brightness High-Order Harmonic Generation by Truncated Bessel Beams in the Sub-10-fs Regime. <i>Physical Review Letters</i> , 2002, 88, 033902.	7.8	71
26	Coherent diffractive imaging of single helium nanodroplets with a high harmonic generation source. <i>Nature Communications</i> , 2017, 8, 493.	12.8	71
27	Observation of Carrier-Envelope Phase Phenomena in the Multi-Optical-Cycle Regime. <i>Physical Review Letters</i> , 2004, 92, 113904.	7.8	66
28	Optimization of high-order harmonic generation by adaptive control of a sub-10-fs pulse wave front. <i>Optics Letters</i> , 2004, 29, 207.	3.3	66
29	Self-Amplified Spontaneous Emission Free-Electron Laser with an Energy-Chirped Electron Beam and Undulator Tapering. <i>Physical Review Letters</i> , 2011, 106, 144801.	7.8	66
30	Soft X-Ray Second Harmonic Generation as an Interfacial Probe. <i>Physical Review Letters</i> , 2018, 120, 023901.	7.8	64
31	Tunable soft-x-ray radiation by high-order harmonic generation. <i>Physical Review A</i> , 1999, 61, .	2.5	62
32	Time-delay compensated monochromator for the spectral selection of extreme-ultraviolet high-order laser harmonics. <i>Review of Scientific Instruments</i> , 2009, 80, 123109.	1.3	62
33	Self-amplified spontaneous emission for a single pass free-electron laser. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2011, 14, .	1.8	60
34	X-ray spectroscopy observation of fast ions generation in plasma produced by short low-contrast laser pulse irradiation of solid targets. <i>Laser and Particle Beams</i> , 2007, 25, 267-275.	1.0	58
35	Instrumentation for analysis and utilization of extreme-ultraviolet and soft x-ray high-order harmonics. <i>Review of Scientific Instruments</i> , 2004, 75, 4413-4418.	1.3	57
36	The photon analysis, delivery, and reduction system at the FERMI@Elettra free electron laser user facility. <i>Review of Scientific Instruments</i> , 2009, 80, 113110.	1.3	54

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37	Time-preserving grating monochromators for ultrafast extreme-ultraviolet pulses. <i>Applied Optics</i> , 2010, 49, 5465.	2.1	53
38	Gratings in a conical diffraction mounting for an extreme-ultraviolet time-delay-compensated monochromator. <i>Applied Optics</i> , 2006, 45, 3253.	2.1	52
39	Spectral Features and Modeling of High-Order Harmonics Generated by Sub-10-fs Pulses. <i>Physical Review Letters</i> , 2000, 85, 2494-2497.	7.8	51
40	Characterization of a charge-coupled-device detector in the 1100-14-nm (1-eV to 9-keV) spectral region. <i>Applied Optics</i> , 1999, 38, 29.	2.1	50
41	High-order laser harmonics detection in the EUV and soft x-ray spectral regions. <i>Review of Scientific Instruments</i> , 2001, 72, 2868-2874.	1.3	50
42	Spectroscopic characterization of vacuum ultraviolet free electron laser pulses. <i>Optics Letters</i> , 2006, 31, 1750.	3.3	50
43	Time-compensated grazing-incidence monochromator for extreme-ultraviolet and soft X-ray high-order harmonics. <i>Applied Physics B: Lasers and Optics</i> , 2004, 78, 1013-1016.	2.2	47
44	Time-delay compensated monochromator in the off-plane mount for extreme-ultraviolet ultrashort pulses. <i>Applied Optics</i> , 2006, 45, 8577.	2.1	47
45	High harmonic generation spectroscopy of hydrocarbons. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	47
46	Harmonium: A pulse preserving source of monochromatic extreme ultraviolet (30-110-eV) radiation for ultrafast photoelectron spectroscopy of liquids. <i>Structural Dynamics</i> , 2016, 3, 023602.	2.3	47
47	Generation of deep ultraviolet sub-2-fs pulses. <i>Optics Letters</i> , 2019, 44, 1308.	3.3	47
48	Dynamics of N ₂ Dissociation upon Inner-Valence Ionization by Wavelength-Selected XUV Pulses. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 419-425.	4.6	46
49	A System for 3D Modeling Frescoed Historical Buildings with Multispectral Texture Information. <i>Machine Vision and Applications</i> , 2006, 17, 373-393.	2.7	45
50	Chirped pulse amplification in an extreme-ultraviolet free-electron laser. <i>Nature Communications</i> , 2016, 7, 13688.	12.8	43
51	Shaping of attosecond pulses by phase-stabilized polarization gating. <i>Physical Review A</i> , 2009, 80, .	2.5	42
52	CITIUS: An infrared-extreme ultraviolet light source for fundamental and applied ultrafast science. <i>Review of Scientific Instruments</i> , 2014, 85, 023104.	1.3	40
53	High-Order-Harmonic Generation and Superradiance in a Seeded Free-Electron Laser. <i>Physical Review Letters</i> , 2012, 108, 164801.	7.8	38
54	Real-time observation of a correlation-driven sub 3-fs charge migration in ionised adenine. <i>Communications Chemistry</i> , 2021, 4, .	4.5	38

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55	Interplay between group-delay-dispersion-induced polarization gating and ionization to generate isolated attosecond pulses from multicycle lasers. <i>Optics Letters</i> , 2010, 35, 2798.	3.3	36
56	Observation of autoionization dynamics and sub-cycle quantum beating in electronic molecular wave packets. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 065102.	1.5	36
57	High-flux source of coherent XUV pulses for user applications. <i>Optics Express</i> , 2019, 27, 8871.	3.4	36
58	METIS: a novel coronagraph design for the Solar Orbiter mission. <i>Proceedings of SPIE</i> , 2012, , .	0.8	34
59	Vectorial optical field reconstruction by attosecond spatial interferometry. <i>Nature Photonics</i> , 2017, 11, 383-389.	31.4	34
60	Polarization control of absorption of virtual dressed states in helium. <i>Physical Review A</i> , 2015, 92, .	2.5	33
61	Optical concept of a compressor for XUV pulses in the attosecond domain. <i>Optics Express</i> , 2008, 16, 6652.	3.4	32
62	Gating of high-order harmonics generated by incommensurate two-color mid-IR laser pulses. <i>Laser Physics Letters</i> , 2011, 8, 875-879.	1.4	32
63	Possible observation of parametrically amplified coherent plasmons in K_2O using time-resolved extreme-ultraviolet angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2013, 88, .	3.2	32
64	Unravelling the intertwined atomic and bulk nature of localised excitons by attosecond spectroscopy. <i>Nature Communications</i> , 2021, 12, 1021.	12.8	32
65	Optical design of the multi-wavelength imaging coronagraph Metis for the solar orbiter mission. <i>Experimental Astronomy</i> , 2020, 49, 239-263.	3.7	30
66	Measurement of Harmonic Phase Differences by Interference of Attosecond Light Pulses. <i>Physical Review Letters</i> , 2005, 94, 193903.	7.8	29
67	Testing spin-flip scattering as a possible mechanism of ultrafast demagnetization in ordered magnetic alloys. <i>Physical Review B</i> , 2014, 90, .	3.2	29
68	Photocarrier-induced band-gap renormalization and ultrafast charge dynamics in black phosphorus. <i>2D Materials</i> , 2019, 6, 031001.	4.4	28
69	Double-configuration grating monochromator for extreme-ultraviolet ultrafast pulses. <i>Applied Optics</i> , 2014, 53, 5879.	1.8	27
70	Determination of optical constants of scandium films in the 20-1000 eV range. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2006, 23, 2880.	1.5	26
71	Light-Induced Renormalization of the Dirac Quasiparticles in the Nodal-Line Semimetal ZrSiSe. <i>Physical Review Letters</i> , 2020, 125, 076401.	7.8	26
72	High-order laser harmonics and synchrotron study of transition metals $M_{2,3}$ edges. <i>Physical Review B</i> , 2006, 73, .	3.2	25

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73	LEMUR: Large European module for solar Ultraviolet Research. <i>Experimental Astronomy</i> , 2012, 34, 273-309.	3.7	25
74	Comb-locked cavity ring-down spectrometer. <i>Journal of Chemical Physics</i> , 2015, 142, 074201.	3.0	24
75	Direct Imaging of Transient Fano Resonances in N_2 Time-, Energy-, and Angular-Resolved Photoelectron Spectroscopy. <i>Physical Review Letters</i> , 2016, 116, 163003.	7.8	24
76	Coherent narrowband light source for ultrafast photoelectron spectroscopy in the 17–31 eV photon energy range. <i>Structural Dynamics</i> , 2020, 7, 014303.	2.3	24
77	Few-femtosecond extreme-ultraviolet pulses fully reconstructed by a ptychographic technique. <i>Optics Express</i> , 2018, 26, 6771.	3.4	23
78	Wave front active control by a digital-signal-processor-driven deformable membrane mirror. <i>Review of Scientific Instruments</i> , 2006, 77, 093102.	1.3	22
79	Optical design of a spectrometer–monochromator for the extreme-ultraviolet and soft-x-ray emission of high-order harmonics. <i>Applied Optics</i> , 2003, 42, 6367.	2.1	21
80	Micro-focusing of attosecond pulses by grazing-incidence toroidal mirrors. <i>Optics Express</i> , 2013, 21, 13040.	3.4	21
81	Attosecond pulse generation at ELI-ALPS 100 kHz repetition rate beamline. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 154004.	1.5	21
82	Elemental sensitivity in soft x-ray imaging with a laser-plasma source and a color center detector. <i>Optics Letters</i> , 2007, 32, 2593.	3.3	20
83	Compression methods for XUV attosecond pulses. <i>Optics Express</i> , 2011, 19, 23420.	3.4	20
84	High-order harmonic generation in a microfluidic glass device. <i>JPhys Photonics</i> , 2020, 2, 024005.	4.6	20
85	Super-Earths, M Dwarfs, and Photosynthetic Organisms: Habitability in the Lab. <i>Life</i> , 2021, 11, 10.	2.4	20
86	Grazing-incidence flat-field spectrometer for high-order harmonic diagnostics. <i>Optical Engineering</i> , 2001, 40, 178.	1.0	19
87	Beam separator for high-order harmonic radiation in the 3-10 nm spectral region. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 1104.	1.5	19
88	Transmittance and optical constants of Pr films in the 4–1600eV spectral range. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	19
89	Ultrafast science and development at the Artemis facility. , 2009, , .		19
90	Ultrafast Charge Dynamics in an Amino Acid Induced by Attosecond Pulses. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 1-12.	2.9	19

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91	Enhancing the spatial resolution of a two-dimensional discrete array detector. <i>Optical Engineering</i> , 1999, 38, 1748.	1.0	18
92	Dependence upon the molecular and atomic ground state of higher-order harmonic generation in the few-optical-cycle regime. <i>Physical Review A</i> , 2005, 71, .	2.5	18
93	High-throughput beamline for attosecond pulses based on toroidal mirrors with microfocusing capabilities. <i>Review of Scientific Instruments</i> , 2014, 85, 103115.	1.3	18
94	Compression of XUV FEL pulses in the few-femtosecond regime. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 593, 14-16.	1.6	17
95	High order harmonics driven by a self-phase-stabilized IR parametric source. <i>Laser Physics</i> , 2010, 20, 1019-1027.	1.2	17
96	Ultrafast Grating Instruments in the Extreme Ultraviolet. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 467-478.	2.9	17
97	Novel beamline for attosecond transient reflection spectroscopy in a sequential two-foci geometry. <i>Review of Scientific Instruments</i> , 2020, 91, 053002.	1.3	17
98	Time-compensated extreme-UV and soft x-ray monochromator for ultrashort high-order harmonic pulses. <i>Journal of Optics</i> , 2001, 3, 374-379.	1.5	16
99	Transmittance and optical constants of Eu films from 8.3 to 1400 eV. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	16
100	Double-blind holography of attosecond pulses. <i>Nature Photonics</i> , 2019, 13, 91-95.	31.4	16
101	Table-top soft x-ray imaging of nanometric films. <i>Applied Physics Letters</i> , 2006, 89, 111122.	3.3	15
102	Optical constants of Yb films in the 23-1700 eV range. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 3691.	1.5	15
103	Transmittance and optical constants of Ce films in the 6-1200eV spectral range. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	15
104	Laser-Assisted Photoelectric Effect from Liquids. <i>Physical Review Letters</i> , 2016, 117, 143001.	7.8	15
105	Temporal characterization of a time-compensated monochromator for high-efficiency selection of extreme-ultraviolet pulses generated by high-order harmonics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, B44.	2.1	14
106	Tolerances of time-delay-compensated monochromators for extreme-ultraviolet ultrashort pulses. <i>Applied Optics</i> , 2009, 48, 4526.	2.1	14
107	Temporal gating methods for the generation of isolated attosecond pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 074002.	1.5	14
108	Ultra-Fast-VUV Photoemission Study of UV Excited 2-Nitrophenol. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1295-1302.	2.5	14

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109	Angstrom-Resolved Interfacial Structure in Buried Organic-Inorganic Junctions. <i>Physical Review Letters</i> , 2021, 127, 096801.	7.8	14
110	Non-invasive multitechnique methodology applied to the study of two 14th century canvases by Lorenzo Veneziano. <i>Journal of Cultural Heritage</i> , 2013, 14, e153-e160.	3.3	13
111	A multipurpose end-station for atomic, molecular and optical sciences and coherent diffractive imaging at ELI beamlines. <i>European Physical Journal: Special Topics</i> , 2021, 230, 4183-4194.	2.6	13
112	Stigmatic spectrometers for extended sources: design with toroidal varied-line-space gratings. <i>Applied Optics</i> , 2004, 43, 2029.	2.1	12
113	Grazing-incidence spectrometer for the monitoring of the VUV FEL beam at DESY. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 1055-1058.	1.7	12
114	Spectrometer for X-ray emission experiments at FERMI free-electron-laser. <i>Review of Scientific Instruments</i> , 2014, 85, 103112.	1.3	12
115	Spin-ARPES EUV Beamline for Ultrafast Materials Research and Development. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 370.	2.5	12
116	Optical properties of scandium films in the far and the extreme ultraviolet. <i>Applied Optics</i> , 2004, 43, 3271.	2.1	11
117	Design of high-resolution grazing-incidence echelle monochromators. <i>Applied Optics</i> , 2009, 48, 5363.	2.1	11
118	Laser spectroscopy for totally non-intrusive detection of oxygen in modified atmosphere food packages. <i>Applied Physics B: Lasers and Optics</i> , 2015, 119, 37-44.	2.2	11
119	Grating configurations to compress extreme-ultraviolet ultrashort pulses. <i>Applied Optics</i> , 2015, 54, 7985.	2.1	11
120	Attosecond streaking metrology with isolated nanotargets. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 024002.	2.2	11
121	Temporal Response of Ultrafast Grating Monochromators. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 5.	2.5	11
122	Characterization of the high harmonics source for the VUV ellipsometer at ELI Beamlines. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, 024005.	1.2	11
123	The first Coronal Mass Ejection observed in both visible-light and UV H I Ly-alpha channels of the Metis Coronagraph on board Solar Orbiter. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	11
124	Ultra-fast spectroscopy and extreme nonlinear optics by few-optical-cycle laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2000, 71, 779-786.	2.2	10
125	Design and characterization of the XUV monochromator for ultrashort pulses at the ARTEMIS facility. , 2008, , .		10
126	Novel space coronagraphs: METIS, a flexible optical design for multi-wavelength imaging and spectroscopy. , 2013, , .		10

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127	Single-Grating Monochromators for Extreme-Ultraviolet Ultrashort Pulses. Applied Sciences (Switzerland), 2013, 3, 1-13.	2.5	10
128	Vacuum-ultraviolet photoabsorption imaging system for laser plasma plume diagnostics. Review of Scientific Instruments, 2003, 74, 2992-2998.	1.3	9
129	Transmittance and optical constants of Tm films in the 2.75â€“1600 eV spectral range. Journal of Applied Physics, 2009, 105, .	2.5	9
130	Non-collinear high-order harmonic generation by three interfering laser beams. Optics Express, 2014, 22, 29778.	3.4	9
131	Design Study of Time-Preserving Grating Monochromators for Ultrashort Pulses in the Extreme-Ultraviolet and Soft X-Rays. Photonics, 2017, 4, 14.	2.0	9
132	Two-photon absorption of soft X-ray free electron laser radiation by graphite near the carbon K-absorption edge. Chemical Physics Letters, 2018, 703, 112-116.	2.6	9
133	Determination of CO ₂ Content in the Headspace of Spoiled Yogurt Packages. Journal of Food Quality, 2018, 2018, 1-6.	2.6	9
134	A fast readout and processing electronics for photon counting intensified charge-coupled device. Review of Scientific Instruments, 2000, 71, 1841-1848.	1.3	8
135	Design of a high-throughput grazing-incidence flat-field spectrometer. Applied Optics, 2000, 39, 4000.	2.1	8
136	Spherical-grating monochromator with a variable-line-spaced grating for synchrotron radiation. Applied Optics, 2000, 39, 5671.	2.1	8
137	Optical design of a stigmatic extreme-ultraviolet spectroscopic system for emission and absorption studies of laser-produced plasmas. Applied Optics, 2002, 41, 172.	2.1	8
138	Efficiency of gratings in the conical diffraction mounting for an EUV time-compensated monochromator. , 2004, , .		8
139	On-line spectrometer for FEL radiation at FERMI@Elettra. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 129-131.	1.6	8
140	Transmittance and optical constants of Lu films in the 3â€“1800 eV spectral range. Journal of Applied Physics, 2010, 108, .	2.5	8
141	Compact spectrometer for photon diagnostics of the extreme-ultraviolet free-electron-laser radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 635, S94-S98.	1.6	8
142	METIS: the visible and UV coronagraph for solar orbiter. , 2017, , .		8
143	Ultrafast photoelectron spectroscopy of photoexcited aqueous ferrioxalate. Physical Chemistry Chemical Physics, 2021, 23, 25308-25316.	2.8	8
144	<title>Optical performance and characterization of an EUV and soft x-ray test facility</title>. , 1999, 3764, 94.		7

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145	Beam-splitting and recombining of free-electron-laser extreme-ultraviolet radiation. Applied Physics B: Lasers and Optics, 2004, 78, 1009-1011.	2.2	7
146	Imaging of recombination events in high-order harmonic generation by phase-stabilized few-optical-cycle pulses. Journal of Modern Optics, 2006, 53, 67-74.	1.3	7
147	Efficiency measurements on gratings in the off-plane mount for a high-resolution grazing-incidence XUV monochromator. Proceedings of SPIE, 2008, , .	0.8	7
148	Analysis of the simultaneous measurements of iron K- and L-shell radiation from ultrashort laser produced plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 065602.	1.5	7
149	Isolated high-harmonic XUV photon absorption and NIR strong-field tunnel ionization. New Journal of Physics, 2012, 14, 013057.	2.9	7
150	Full tunability of laser femtosecond high-order harmonics in the ultraviolet spectral range. Applied Physics B: Lasers and Optics, 2012, 108, 43-49.	2.2	7
151	Active diffraction gratings: Development and tests. Review of Scientific Instruments, 2012, 83, 123106.	1.3	7
152	Validation of an in-line non-destructive headspace oxygen sensor. Food Packaging and Shelf Life, 2016, 9, 38-44.	7.5	7
153	Double-grating monochromatic beamline with ultrafast response for FLASH2 at DESY. Journal of Synchrotron Radiation, 2018, 25, 131-137.	2.4	7
154	The role of beam profile in high-order harmonic generation by few-optical-cycle pulses. Applied Physics B: Lasers and Optics, 2002, 74, s11-s15.	2.2	6
155	Generation of fast ions in femto-and picosecond laser plasmas at low intensities of the heating radiation. JETP Letters, 2006, 84, 308-313.	1.4	6
156	Molecular orbital dependence of high-order harmonic generation. Journal of Modern Optics, 2006, 53, 97-111.	1.3	6
157	Transmittance and optical constants of erbium films in the 325-1580 eV spectral range. Applied Optics, 2011, 50, 2211.	2.1	6
158	Optimization of low-order harmonic generation by exploitation of a resistive deformable mirror. Applied Physics B: Lasers and Optics, 2012, 106, 905-909.	2.2	6
159	Extreme-ultraviolet compact spectrometer for the characterization of the harmonics content in the free-electron-laser radiation at FLASH. Journal of Synchrotron Radiation, 2012, 19, 596-601.	2.4	6
160	Adaptive multi-wavelength LED star simulator for space life studies. , 2016, , .		6
161	A New Remote Sensing-Based System for the Monitoring and Analysis of Growth and Gas Exchange Rates of Photosynthetic Microorganisms Under Simulated Non-Terrestrial Conditions. Frontiers in Plant Science, 2020, 11, 182.	3.6	6
162	METIS, the Multi Element Telescope for Imaging and Spectroscopy: an instrument proposed for the solar orbiter mission. , 2017, , .		6

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163	Formation and Cumulation of CO ₂ in the Bottles of the Fermented Milk Drinks. International Proceedings of Chemical, Biological & Environmental Engineering, 0, 95, 26-31.	0.0	6
164	Beam divergence of high-order harmonics generated in the few-optical cycle regime. European Physical Journal Special Topics, 2001, 11, Pr2-351-Pr2-354.	0.2	5
165	Study of few-optical-cycles generation of high-order harmonics. Laser and Particle Beams, 2001, 19, 41-45.	1.0	5
166	Intense femtosecond extreme ultraviolet pulses by using a time-delay-compensated monochromator: erratum. Optics Letters, 2008, 33, 140.	3.3	5
167	Compact spectrometer for the analysis of high harmonics content of extreme-ultraviolet free-electron-laser radiation. Proceedings of SPIE, 2010, , .	0.8	5
168	High-order harmonics generated by 1.5 μ m parametric source. Journal of Modern Optics, 2010, 57, 1008-1013.	1.3	5
169	Three-dimensional modeling using x-ray shape-from-silhouette. Applied Optics, 2011, 50, 3282.	2.1	5
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