

Luca Giannessi

List of Publications by Year in descending order

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papers

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61984

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275
all docs

275
docs citations

275
times ranked

3363
citing authors

#	ARTICLE	IF	CITATIONS
1	ARIA—A VUV Beamline for EuPRAXIA@SPARC_LAB. Condensed Matter, 2022, 7, 11.	1.8	5
2	Single-shot transverse coherence in seeded and unseeded free-electron lasers: A comparison. Physical Review Accelerators and Beams, 2022, 25, .	1.6	2
3	Light-Induced Magnetization at the Nanoscale. Physical Review Letters, 2022, 128, 157205.	7.8	9
4	Time-Resolved Ultrafast Interatomic Coulombic Decay in Superexcited Sodium-Doped Helium Nanodroplets. Journal of Physical Chemistry Letters, 2022, 13, 4470-4478.	4.6	8
5	Nonlinear harmonics of a seeded free-electron laser as a coherent and ultrafast probe to investigate matter at the water window and beyond. Physical Review A, 2022, 105, .	2.5	7
6	Free-electron lasing with compact beam-driven plasma wakefield accelerator. Nature, 2022, 605, 659-662.	27.8	36
7	Unravelling the full relaxation dynamics of superexcited helium nanodroplets. Physical Chemistry Chemical Physics, 2021, 23, 15138-15149.	2.8	12
8	Analysis of two-color photoelectron spectroscopy for attosecond metrology at seeded free-electron lasers. New Journal of Physics, 2021, 23, 043046.	2.9	4
9	Time-resolved photoelectron imaging of complex resonances in molecular nitrogen. Journal of Chemical Physics, 2021, 154, 144305.	3.0	8
10	Ultrafast Resonant Interatomic Coulombic Decay Induced by Quantum Fluid Dynamics. Physical Review X, 2021, 11, .	8.9	10
11	Addendum: Beyond the limits of 1D coherent synchrotron radiation (2018 New J. Phys. 20 073035). New Journal of Physics, 2021, 23, 049401.	2.9	1
12	Generation and measurement of intense few-femtosecond superradiant extreme-ultraviolet free-electron laser pulses. Nature Photonics, 2021, 15, 523-529.	31.4	20
13	Ultrafast Adsorbate Excitation Probed with Subpicosecond-Resolution X-Ray Absorption Spectroscopy. Physical Review Letters, 2021, 127, 016802.	7.8	11
14	A step closer to compact X-ray lasers. Nature, 2021, 595, 496-497.	27.8	2
15	Characterization of soft x-ray echo-enabled harmonic generation free-electron laser pulses in the presence of incoherent electron beam energy modulations. Physical Review Accelerators and Beams, 2021, 24, .	1.6	3
16	Angstrom-Resolved Interfacial Structure in Buried Organic-Inorganic Junctions. Physical Review Letters, 2021, 127, 096801.	7.8	14
17	Complex Attosecond Waveform Synthesis at FEL FERMI. Applied Sciences (Switzerland), 2021, 11, 9791.	2.5	5
18	Time-resolved observation of transient precursor state of CO on Ru(0001) using carbon K-edge spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 2677-2684.	2.8	15

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19	Tracking the ultraviolet-induced photochemistry of thiophenone during and after ultrafast ring opening. <i>Nature Chemistry</i> , 2020, 12, 795-800.	13.6	44
20	Photoelectric effect with a twist. <i>Nature Photonics</i> , 2020, 14, 554-558.	31.4	39
21	Attosecond delays in photoionization studied with coherent-controlled FEL. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 112006.	0.4	0
22	Characterisation of microbunching instability with 2D Fourier analysis. <i>Scientific Reports</i> , 2020, 10, 5059.	3.3	7
23	Tracking attosecond electronic coherences using phase-manipulated extreme ultraviolet pulses. <i>Nature Communications</i> , 2020, 11, 883.	12.8	50
24	Attosecond pulse shaping using a seeded free-electron laser. <i>Nature</i> , 2020, 578, 386-391.	27.8	116
25	Time-resolved quantum beats in the fluorescence of helium resonantly excited by XUV radiation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 244012.	1.5	4
26	Experimental evidence of intrabeam scattering in a free-electron laser driver. <i>New Journal of Physics</i> , 2020, 22, 083053.	2.9	13
27	Postsaturation dynamics and superluminal propagation of a superradiant spike in a free-electron laser amplifier. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	9
28	Spectrotemporal control of soft x-ray laser pulses. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	4
29	Microbunching instability characterization via temporally modulated laser pulses. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	2
30	Linear optics control of sideband instability for improved free-electron laser spectral brightness. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	5
31	Enhanced seeded free electron laser performance with a "cold" electron beam. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	14
32	New Method for Measuring Angle-Resolved Phases in Photoemission. <i>Physical Review X</i> , 2020, 10, .	8.9	23
33	Seeding and Harmonic Generation in Free-Electron Lasers. , 2020, , 119-147.		1
34	A Novel Attosecond Timing Tool for Free-Electron Laser Experiment. , 2020, , .		0
35	High-gain harmonic generation with temporally overlapping seed pulses and application to ultrafast spectroscopy. <i>Optics Express</i> , 2020, 28, 29976.	3.4	5
36	Exploring the multiparameter nature of EUV-visible wave mixing at the FERMI FEL. <i>Structural Dynamics</i> , 2019, 6, 040901.	2.3	3

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37	A detailed investigation of single-photon laser enabled Auger decay in neon. <i>New Journal of Physics</i> , 2019, 21, 113036.	2.9	12
38	Nanoscale transient gratings excited and probed by extreme ultraviolet femtosecond pulses. <i>Science Advances</i> , 2019, 5, eaaw5805.	10.3	54
39	Time-resolved ionization measurements with intense ultrashort XUV and X-ray free-electron laser pulses. <i>Laser and Particle Beams</i> , 2019, 37, 235-241.	1.0	2
40	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
41	The Potential of EuPRAXIA@SPARC_LAB for Radiation Based Techniques. <i>Condensed Matter</i> , 2019, 4, 30.	1.8	12
42	Complete Characterization of Phase and Amplitude of Bichromatic Extreme Ultraviolet Light. <i>Physical Review Letters</i> , 2019, 123, 213904.	7.8	21
43	Free electron laser polarization control with interfering crossed polarized fields. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	1.6	9
44	Soft X-Ray Second Harmonic Generation as an Interfacial Probe. <i>Physical Review Letters</i> , 2018, 120, 023901.	7.8	64
45	Beyond the limits of 1D coherent synchrotron radiation. <i>New Journal of Physics</i> , 2018, 20, 073035.	2.9	20
46	Three-Dimensional Shapes of Spinning Helium Nanodroplets. <i>Physical Review Letters</i> , 2018, 121, 255301.	7.8	49
47	Publisher's Note: Extreme-Ultraviolet Vortices from a Free-Electron Laser [Phys. Rev. X 7, 031036 (2017)]. <i>Physical Review X</i> , 2018, 8, .	8.9	0
48	Seeded X-ray free-electron laser generating radiation with laser statistical properties. <i>Nature Communications</i> , 2018, 9, 4498.	12.8	51
49	Coherent control schemes for the photoionization of neon and helium in the Extreme Ultraviolet spectral region. <i>Scientific Reports</i> , 2018, 8, 7774.	3.3	25
50	Two-photon absorption of soft X-ray free electron laser radiation by graphite near the carbon K-absorption edge. <i>Chemical Physics Letters</i> , 2018, 703, 112-116.	2.6	9
51	Two-bunch operation with ns temporal separation at the FERMI FEL facility. <i>New Journal of Physics</i> , 2018, 20, 053047.	2.9	6
52	EuPRAXIA@SPARC_LAB Design study towards a compact FEL facility at LNF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 909, 134-138.	1.6	46
53	Coherent THz Emission Enhanced by Coherent Synchrotron Radiation Wakefield. <i>Scientific Reports</i> , 2018, 8, 11661.	3.3	16
54	FERMI: the first externally seeded Free Electron Laser in the extreme ultraviolet and soft X-ray spectral regions. , 2018, , .		0

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73	Extreme ultraviolet resonant inelastic X-ray scattering (RIXS) at a seeded free-electron laser. Scientific Reports, 2016, 6, 38796.	3.3	12
74	Generation of Phase-Locked Pulses from a Seeded Free-Electron Laser. Physical Review Letters, 2016, 116, 024801.	7.8	50
75	Four-wave-mixing experiments with seeded free electron lasers. Faraday Discussions, 2016, 194, 283-303.	3.2	20
76	Seeding and Harmonic Generation in Free-Electron Lasers. , 2016, , 195-223.		12
77	Coherent control with a short-wavelength free-electron laser. Nature Photonics, 2016, 10, 176-179.	31.4	197
78	Two-Color Radiation Generated in a Seeded Free-Electron Laser with Two Electron Beams. Physical Review Letters, 2015, 115, 014801.	7.8	22
79	Spectrotemporal Shaping of Seeded Free-Electron Laser Pulses. Physical Review Letters, 2015, 115, 114801.	7.8	68
80	Multicolor High-Gain Free-Electron Laser Driven by Seeded Microbunching Instability. Physical Review Letters, 2015, 115, 214801.	7.8	48
81	Single Shot Polarization Characterization of XUV FEL Pulses from Crossed Polarized Undulators. Scientific Reports, 2015, 5, 13531.	3.3	44
82	Interatomic Coulombic Decay Processes after Multiple Valence Excitations in Ne Clusters. Journal of Physics: Conference Series, 2015, 635, 112067.	0.4	0
83	Spatial properties of odd and even low order harmonics generated in gas. Scientific Reports, 2015, 5, 7786.	3.3	15
84	Single-shot spectro-temporal characterization of XUV pulses from a seeded free-electron laser. Nature Communications, 2015, 6, 8075.	12.8	55
85	Experimental Demonstration of Enhanced Self-Amplified Spontaneous Emission by an Optical Klystron. Physical Review Letters, 2015, 114, 013901.	7.8	32
86	The FERMI free-electron lasers. Journal of Synchrotron Radiation, 2015, 22, 485-491.	2.4	101
87	Seeded FEL with two energy level electron beam distribution at SPARC_LAB. Proceedings of SPIE, 2015, , .	0.8	0
88	Optical klystron SASE at FERMI. Proceedings of SPIE, 2015, , .	0.8	0
89	Experimental characterization of the FERMI laser heater and its impact on the FEL operations. Proceedings of SPIE, 2015, , .	0.8	0
90	FERMI longitudinal diagnostics: results and future challenges. Proceedings of SPIE, 2015, , .	0.8	0

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91	Seeding Free Electron Lasers with High Order Harmonics Generated in Gas. Springer Series in Optical Sciences, 2015, , 79-113.	0.7	6
92	Seeding and Harmonic Generation in Free-Electron Lasers. , 2015, , 1-27.		0
93	Seeding and Harmonic Generation in Free-Electron Lasers. , 2015, , 1-27.		0
94	Control of the Polarization of a Vacuum-Ultraviolet, High-Gain, Free-Electron Laser. Physical Review X, 2014, 4, .	8.9	80
95	Self-amplified spontaneous emission free electron laser devices and nonideal electron beam transport. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	3
96	Laser heater commissioning at an externally seeded free-electron laser. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	49
97	Large-bandwidth two-color free-electron laser driven by a comb-like electron beam. New Journal of Physics, 2014, 16, 033018.	2.9	35
98	Mapping the transverse coherence of the self amplified spontaneous emission of a free-electron laser with the heterodyne speckle method. Optics Express, 2014, 22, 30013.	3.4	18
99	Impact of Non-Gaussian Electron Energy Heating upon the Performance of a Seeded Free-Electron Laser. Physical Review Letters, 2014, 112, 114802.	7.8	20
100	IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 740, 138-146.	1.6	9
101	Experimental Demonstration of Electron Longitudinal-Phase-Space Linearization by Shaping the Photoinjector Laser Pulse. Physical Review Letters, 2014, 112, 044801.	7.8	39
102	Two Color FEL Driven by a Comb-like Electron Beam Distribution. Physics Procedia, 2014, 52, 27-35.	1.2	9
103	Polarization measurement of free electron laser pulses in the VUV generated by the variable polarization source FERMI. , 2014, , .		4
104	Coherent Pulses from a Seeded Free-Electron Laser in the Extreme Ultraviolet. Springer Proceedings in Physics, 2014, , 1-6.	0.2	0
105	Two-stage seeded soft-X-ray free-electron laser. Nature Photonics, 2013, 7, 913-918.	31.4	424
106	SPARC_LAB present and future. Nuclear Instruments & Methods in Physics Research B, 2013, 309, 183-188.	1.4	124
107	FERMI Demonstrates First Seeded Free Electron Laser Working in Double-Stage Cascaded Configuration. Synchrotron Radiation News, 2013, 26, 48-48.	0.8	1
108	Two-colour generation in a chirped seeded free-electron laser: a close look. Optics Express, 2013, 21, 22728.	3.4	42

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109	Status and achievements at FERMI@Elettra: the first double cascade seeded EUV-SXR FEL facility open to users. , 2013, , .		3
110	Chirped Seeded Free-Electron Lasers: Self-Standing Light Sources for Two-Color Pump-Probe Experiments. Physical Review Letters, 2013, 110, 064801.	7.8	93
111	Superradiant Cascade in a Seeded Free-Electron Laser. Physical Review Letters, 2013, 110, 044801.	7.8	46
112	Observation of Time-Domain Modulation of Free-Electron-Laser Pulses by Multi-peaked Electron-Energy Spectrum. Physical Review Letters, 2013, 111, 114802.	7.8	68
113	Two-colour pump-probe experiments with a twin-pulse-seed extreme ultraviolet free-electron laser. Nature Communications, 2013, 4, 2476.	12.8	156
114	Spectral and intensity diagnostics of the SPARC free-electron-laser. Journal of Physics: Conference Series, 2013, 425, 122011.	0.4	2
115	Tunability experiments at the FERMI@Elettra free-electron laser. New Journal of Physics, 2012, 14, 113009.	2.9	81
116	Focusing properties of linear undulators. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	24
117	Publisher's Note: Transverse emittance preservation during bunch compression in the Fermi free electron laser [Phys. Rev. ST Accel. Beams 15, 020701 (2012)]. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	1
118	High-Order-Harmonic Generation and Superradiance in a Seeded Free-Electron Laser. Physical Review Letters, 2012, 108, 164801.	7.8	38
119	Transverse emittance preservation during bunch compression in the Fermi free electron laser. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	18
120	Highly coherent and stable pulses from the FERMI seeded free-electron laser in the extreme ultraviolet. Nature Photonics, 2012, 6, 699-704.	31.4	903
121	Time-domain measurement of a self-amplified spontaneous emission free-electron laser with an energy-chirped electron beam and undulator tapering. Applied Physics Letters, 2012, 101, 134102.	3.3	20
122	Energy phase correlation and pulse dynamics in short bunch high gain FELs. Optics Communications, 2012, 285, 710-714.	2.1	3
123	Second Workshop on High Harmonic Seeding for Present and Future Short wavelength Free-Electron Lasers. Synchrotron Radiation News, 2011, 24, 15-17.	0.8	0
124	Phase space analysis of velocity bunched beams. Physical Review Special Topics: Accelerators and Beams, 2011, 14, .	1.8	22
125	Laser comb with velocity bunching: Preliminary results at SPARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, S43-S46.	1.6	62
126	High-Gain Harmonic-Generation Free-Electron Laser Seeded by Harmonics Generated in Gas. Physical Review Letters, 2011, 107, 224801.	7.8	76

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127	Self-amplified spontaneous emission for a single pass free-electron laser. Physical Review Special Topics: Accelerators and Beams, 2011, 14, .	1.8	60
128	Self-Amplified Spontaneous Emission Free-Electron Laser with an Energy-Chirped Electron Beam and Undulator Tapering. Physical Review Letters, 2011, 106, 144801.	7.8	66
129	FERMI@Elettra, a seeded free electron laser source for a broad scientific user program. , 2011, , .		6
130	Analysis of single-spike FEL visible radiation from three-dimensional and realistic beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 621, 1-14.	1.6	3
131	Experimental Demonstration of Emittance Compensation with Velocity Bunching. Physical Review Letters, 2010, 104, 054801.	7.8	111
132	Comparative study of nonideal beam effects in high gain harmonic generation and self-seeded free electron lasers. Physical Review Special Topics: Accelerators and Beams, 2010, 13, .	1.8	14
133	Free electron laser for electron cyclotron heating in plasma fusion: Is there a renewed interest?. , 2009, , .		0
134	Workshop on High-Harmonic Seeding for Present and Future Short Wavelength Free-Electron Lasers. Synchrotron Radiation News, 2009, 22, 5-9.	0.8	1
135	Compression of XUV FEL pulses in the few-femtosecond regime. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 14-16.	1.6	17
136	Seeding experiments at SPARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 132-136.	1.6	14
137	Higher-order harmonics coupling in different free-electron laser codes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 143-147.	1.6	1
138	Generation of ultra-short, high brightness electron beams for single-spike SASE FEL operation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 39-44.	1.6	88
139	The effect of shot noise on the start up of the fundamental and harmonics in free-electron lasers. Journal of Applied Physics, 2008, 104, 123114.	2.5	21
140	High brightness electron beam emittance evolution measurements in an rf photoinjector. Physical Review Special Topics: Accelerators and Beams, 2008, 11, .	1.8	39
141	NON-LINEAR EVOLUTION OF SHORT PULSES IN FEL CASCADED UNDULATORS AND THE FEL HARMONIC CASCADE. International Journal of Modern Physics A, 2007, 22, 3794-3809.	1.5	1
142	FIRST SIMULATIONS RESULTS ON LASER PULSE JITTER AND MICROBUNCHING INSTABILITY AT SPARXINO. International Journal of Modern Physics A, 2007, 22, 4254-4264.	1.5	0
143	SUMMARY OF WORKING GROUP 3: NEW CHALLENGES IN THEORY AND MODELING. International Journal of Modern Physics A, 2007, 22, 4198-4203.	1.5	0
144	Status of the sparx project. , 2007, , .		1

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145	Comparison between sparc e-meter measurements and simulations. , 2007, , .		2
146	Experimental Characterization of Superradiance in a Single-Pass High-Gain Laser-Seeded Free-Electron Laser Amplifier. Physical Review Letters, 2007, 98, 034802.	7.8	43
147	Watanabe et al. Reply. Physical Review Letters, 2007, 99, .	7.8	2
148	Direct Measurement of the Double Emittance Minimum in the Beam Dynamics of the Sparc High-Brightness Photoinjector. Physical Review Letters, 2007, 99, 234801.	7.8	59
149	<title>Status of the <emph type="1">SPARX</emph> FEL project</title>. , 2007, , .		0
150	<title>Future seeding experiments at SPARC</title>. , 2007, , .		0
151	Experimental results with the SPARC emittance-meter. , 2007, , .		3
152	Free-electron laser dynamics in storage ring with a low emittance and momentum compaction factor configuration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 520-531.	1.6	1
153	Overview of CSR codes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 557, 189-204.	1.6	28
154	The free-electron laser harmonic cascade. New Journal of Physics, 2006, 8, 294-294.	2.9	25
155	<title>SPARC/X Projects</title>. , 2005, , .		0
156	<title>Synchronization of ELETTRA storage-ring light sources with an ultrafast CR:LISAF laser</title>. , 2005, , .		0
157	Dynamics and stabilization of the Elettra storage-ring free-electron laser. Physical Review E, 2005, 71, 066504.	2.1	5
158	Nonlinear pulse evolution in seeded free-electron laser amplifiers and in free-electron laser cascades. Journal of Applied Physics, 2005, 98, 043110.	2.5	48
159	Oscillator-amplifier free electron laser devices with stable output power. Journal of Applied Physics, 2004, 95, 3211-3216.	2.5	4
160	Saturation and electron-beam lifetime in a storage ring free-electron laser. Physical Review E, 2004, 69, 036501.	2.1	7
161	Semi-analytical model of self-amplified spontaneous-emission free-electron lasers, including diffraction and pulse-propagation effects. Journal of Applied Physics, 2004, 95, 3206-3210.	2.5	62
162	The SPARC/X SASE-FEL Projects. Laser and Particle Beams, 2004, 22, 341-350.	1.0	8

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163	Status of the SPARC project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 528, 586-590.	1.6	24
164	Semi-analytical models for saturation in optical-klystron FEL devices. Optics Communications, 2004, 230, 205-209.	2.1	2
165	Pulse propagation and supermodes in Optical-Klystron FEL oscillators. Optics Communications, 2004, 235, 395-400.	2.1	5
166	Status of the SPARC project. , 2004, , 586-590.		0
167	Developments on the EUFELE**Partly funded under EC contract No. HPRI-CT-2001-50025. project at ELETTRA. , 2004, , II-79-II-80.		0
168	Conceptual design of a high-brightness linac for soft X-ray SASE-FEL source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 502-506.	1.6	10
169	Self-consistent harmonic generation in storage ring FELs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 299-303.	1.6	2
170	The SPARC project: a high-brightness electron beam source at LNF to drive a SASE-FEL experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 345-349.	1.6	50
171	MOPA optical klystron FELs and coherent harmonic generation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 26-30.	1.6	6
172	The UV European FEL at ELETTRA: towards compatibility of storage ring operation for FEL and synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 274-280.	1.6	18
173	Bunching and exotic undulator configurations in SASE FELs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 388-391.	1.6	17
174	TREDI simulations for high-brilliance photoinjectors and magnetic chicanes. Physical Review Special Topics: Accelerators and Beams, 2003, 6, .	1.8	7
175	Simulation codes for high brightness electron beam free-electron laser experiments. Physical Review Special Topics: Accelerators and Beams, 2003, 6, .	1.8	19
176	Radio-frequency photocathode guns triggered by free electron laser light. Journal of Applied Physics, 2003, 93, 641-643.	2.5	1
177	Bunching and exotic undulator configurations in SASE FELs. , 2003, , 388-391.		2
178	MOPA optical klystron FELs and coherent harmonic generation. , 2003, , 26-30.		0
179	Self-consistent harmonic generation in storage ring FELs. , 2003, , 299-303.		0
180	The UV European FEL at ELETTRA: towards compatibility of storage ring operation for FEL and synchrotron radiation. , 2003, , 274-280.		0

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181	Operation and performance of a free electron laser oscillator down to 190 nm. Applied Physics Letters, 2002, 80, 2851-2853.	3.3	24
182	UV/VUV FREE ELECTRON LASER OSCILLATORS AND APPLICATIONS IN MATERIALS SCIENCE. Surface Review and Letters, 2002, 09, 599-607.	1.1	1
183	Operation of the European storage ring FEL at ELETTRA down to 190nm. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 483, 157-161.	1.6	43
184	Super-ACO free-electron laser (FEL) operation with a reduced momentum compaction factor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 483, 167-171.	1.6	5
185	Pulse propagation in storage ring free electron laser devices and longitudinal instabilities. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 492, 276-283.	1.6	2
186	Interplay between electron beam instabilities and storage ring FEL dynamics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 491, 507-511.	1.6	3
187	Two harmonic undulators and harmonic generation in high gain free electron lasers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 495, 48-57.	1.6	33
188	The European UV/VUV storage ring FEL at ELETTRA: first operation and future prospects. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 34-37.	1.6	14
189	Extreme ultraviolet (EUV) sources for lithography based on synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 474, 259-272.	1.6	18
190	First lasing and initial performance of the European UV/VUV storage ring FEL at ELETTRA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 475, 20-27.	1.6	45
191	Completion of the first phase of development of the European UV/VUV free-electron laser at Elettra. Synchrotron Radiation News, 2001, 14, 19-24.	0.8	5
192	Effects of prepoling and polarization on photoemission from ferroelectric ceramics. Journal of Applied Physics, 2001, 89, 1367-1370.	2.5	0
193	Free electron laser small signal dynamics and inclusion of electron-beam energy phase correlation. Journal of Applied Physics, 1999, 86, 1710-1715.	2.5	1
194	A robust and powerful green light photoemission source: The ferroelectric ceramics. Applied Physics Letters, 1999, 74, 859-861.	3.3	2
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