Fabrizio Giuseppe Bisesto

List of Publications by Year
in descending order

28	471	933447 10	713466 21
papers	citations	h-index	g-index

28	28	28	521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accurate spectra for high energy ions by advanced time-of-flight diamond-detector schemes in experiments with high energy and intensity lasers. Scientific Reports, 2021, 11, 3071.	3.3	14
2	Simultaneous observation of ultrafast electron and proton beams in TNSA. High Power Laser Science and Engineering, 2020, 8, .	4.6	6
3	Plasma density profile measurements for ultra-short high power laser beam guiding experiments at SPARC _LAB. Journal of Physics: Conference Series, 2020, 1596, 012044.	0.4	2
4	Zemax ray tracing model for plasma waveguides. Laser Physics Letters, 2020, 17, 036001.	1.4	4
5	Direct observation of ultrafast electrons generated by high-intensity laser-matter interaction. Applied Physics Letters, 2020, 116, .	3.3	4
6	EuPRAXIA Conceptual Design Report. European Physical Journal: Special Topics, 2020, 229, 3675-4284.	2.6	64
7	Time-resolved characterization of ultrafast electrons in intense laser and metallic-dielectric target interaction. Optics Letters, 2020, 45, 4420.	3.3	2
8	Ultrafast electron and proton bunches correlation in laserâ€“solid matter experiments. Optics Letters, 2020, 45, 5575.	3.3	1
9	Comparison of single crystal diamond TOF detectors in planar and transverse configuration. Journal of Instrumentation, 2020, 15, C09066-C09066.	1.2	5
10	Single-shot electrons and protons time-resolved detection from high-intensity laserâ€“solid matter interactions at SPARC_LAB. High Power Laser Science and Engineering, 2019, 7, .	4.6	9
11	Review on TNSA diagnostics and recent developments at SPARC_LAB. High Power Laser Science and Engineering, 2019, 7, .	4.6	4
12	EuPRAXIA â€“ a compact, cost-efficient particle and radiation source. AIP Conference Proceedings, 2019, , .	0.4	7
13	Temperature analysis in the shock waves regime for gas-filled plasma capillaries in plasma-based accelerators. Journal of Instrumentation, 2019, 14, C03002-C03002.	1.2	8
14	Status of the Horizon 2020 EuPRAXIA conceptual design study*. Journal of Physics: Conference Series, 2019, 1350, 012059.	0.4	11
15	Modeling and diagnostics for plasma discharge capillaries. Physical Review E, 2019, 100, 053202.	2.1	11
16	Ultrafast evolution of electric fields from high-intensity laser-matter interactions. Scientific Reports, 2018, 8, 3243.	3.3	15
17	Frontiers of beam diagnostics in plasma accelerators: Measuring the ultra-fast and ultra-cold. Physics of Plasmas, 2018, 25, 056704.	1.9	6
18	Focusing of High-Brightness Electron Beams with Active-Plasma Lenses. Physical Review Letters, 2018, 121, 174801.	7.8	39

#	Article	IF	Citations
19	Consolidating multiple femtosecond lasers in coupled curved plasma capillaries. Applied Physics Letters, 2018, 113, .	3.3	8
20	EuPRAXIA@SPARC_LAB Design study towards a compact FEL facility at LNF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 909, 134-138.	1.6	46
21	Experimental characterization of active plasma lensing for electron beams. Applied Physics Letters, 2017, 110, .	3.3	42
22	Transverse emittance diagnostics for high brightness electron beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 865, 63-66.	1.6	6
23	Single-shot non-intercepting profile monitor of plasma-accelerated electron beams with nanometric resolution. Applied Physics Letters, 2017, 111, .	3.3	9
24	Horizon 2020 EuPRAXIA design study. Journal of Physics: Conference Series, 2017, 874, 012029.	0.4	60
25	Novel Single-Shot Diagnostics for Electrons from Laser-Plasma Interaction at SPARC_LAB. Quantum Beam Science, 2017, 1, 13.	1.2	14
26	Trace-space reconstruction of low-emittance electron beams through betatron radiation in laser-plasma accelerators. Physical Review Accelerators and Beams, 2017, 20, .	1.6	25
27	Sub-picosecond snapshots of fast electrons from high intensity laser-matter interactions. Optics Express, 2016, 24, 29512.	3.4	17
28	Femtosecond dynamics of energetic electrons in high intensity laser-matter interactions. Scientific Reports, 2016, 6, 35000.	3.3	32