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	EuPRAXIA Conceptual Design Report. European Physical Journal: Special Topics, 2020, 229, 3675-4284.	2.6	64
2	Horizon 2020 EuPRAXIA design study. Journal of Physics: Conference Series, 2017, 874, 012029.	0.4	60
3	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
4	Experimental characterization of active plasma lensing for electron beams. Applied Physics Letters, 2017, 110, .	3.3	42
5	Focusing of High-Brightness Electron Beams with Active-Plasma Lenses. Physical Review Letters, 2018, 121, 174801.	7.8	39
6	Femtosecond dynamics of energetic electrons in high intensity laser-matter interactions. Scientific Reports, 2016, 6, 35000.	3.3	32
7	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
8	Sub-picosecond snapshots of fast electrons from high intensity laser-matter interactions. Optics Express, 2016, 24, 29512.	3.4	17
9	Ultrafast evolution of electric fields from high-intensity laser-matter interactions. Scientific Reports, 2018, 8, 3243.	3.3	15
10	Novel Single-Shot Diagnostics for Electrons from Laser-Plasma Interaction at SPARC_LAB. Quantum Beam Science, 2017, 1, 13.	1.2	14
11	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
12	Status of the Horizon 2020 EuPRAXIA conceptual design study*. Journal of Physics: Conference Series, 2019, 1350, 012059.	0.4	11
13	Modeling and diagnostics for plasma discharge capillaries. Physical Review E, 2019, 100, 053202.	2.1	11
14	Single-shot non-intercepting profile monitor of plasma-accelerated electron beams with nanometric resolution. Applied Physics Letters, 2017, 111, .	3.3	9
15	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
16	Consolidating multiple femtosecond lasers in coupled curved plasma capillaries. Applied Physics Letters, 2018, 113, .	3.3	8
17	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
18	EuPRAXIA â€“ a compact, cost-efficient particle and radiation source. AIP Conference Proceedings, 2019, , .	0.4	7

#	Article	IF	Citations
19	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
20	Frontiers of beam diagnostics in plasma accelerators: Measuring the ultra-fast and ultra-cold. Physics of Plasmas, 2018, 25, 056704.	1.9	6
21	Simultaneous observation of ultrafast electron and proton beams in TNSA. High Power Laser Science and Engineering, 2020, 8, .	4.6	6
22	Comparison of single crystal diamond TOF detectors in planar and transverse configuration. Journal of Instrumentation, 2020, 15, C09066-C09066.	1.2	5
23	Review on TNSA diagnostics and recent developments at SPARC_LAB. High Power Laser Science and Engineering, 2019, 7, .	4.6	4
24	Zemax ray tracing model for plasma waveguides. Laser Physics Letters, 2020, 17, 036001.	1.4	4
25	Direct observation of ultrafast electrons generated by high-intensity laser-matter interaction. Applied Physics Letters, 2020, 116, .	3.3	4
26	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
27	Time-resolved characterization of ultrafast electrons in intense laser and metallic-dielectric target interaction. Optics Letters, 2020, 45, 4420.	3.3	2
28	Ultrafast electron and proton bunches correlation in laserâ€“solid matter experiments. Optics Letters, 2020, 45, 5575.	3.3	1