

Gerard Andonian

List of Publications by Year in descending order

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19
papers

457
citations

759233

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996975

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19
all docs

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times ranked

598
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-Plasmon Resonance-Enhanced Multiphoton Emission of High-Brightness Electron Beams from a Nanostructured Copper Cathode. <i>Physical Review Letters</i> , 2013, 110, 074801.	7.8	88
2	Observation of acceleration and deceleration in gigaelectron-volt-per-metre gradient dielectric wakefield accelerators. <i>Nature Communications</i> , 2016, 7, 12763.	12.8	83
3	Resonant excitation of coherent Cerenkov radiation in dielectric lined waveguides. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	58
4	Dielectric Wakefield Acceleration of a Relativistic Electron Beam in a Slab-Symmetric Dielectric Lined Waveguide. <i>Physical Review Letters</i> , 2012, 108, 244801.	7.8	48
5	Generation and acceleration of electron bunches from a plasma photocathode. <i>Nature Physics</i> , 2019, 15, 1156-1160.	16.7	45
6	Generation of Ramped Current Profiles in Relativistic Electron Beams Using Wakefields in Dielectric Structures. <i>Physical Review Letters</i> , 2017, 118, 054802.	7.8	23
7	Experimental Characterization of Electron-Beam-Driven Wakefield Modes in a Dielectric-Woodpile Cartesian Symmetric Structure. <i>Physical Review Letters</i> , 2018, 120, 164801.	7.8	23
8	Single Shot Characterization of High Transformer Ratio Wakefields in Nonlinear Plasma Acceleration. <i>Physical Review Letters</i> , 2020, 124, 044802.	7.8	18
9	Longitudinal profile diagnostic scheme with subfemtosecond resolution for high-brightness electron beams. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2011, 14, .	1.8	15
10	Observation of Anomalously Large Spectral Bandwidth in a High-Gain Self-Amplified Spontaneous Emission Free-Electron Laser. <i>Physical Review Letters</i> , 2005, 95, 054801.	7.8	13
11	Experimental characterization of the transverse phase space of a 60-MeV electron beam through a compressor chicane. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2006, 9, .	1.8	13
12	Suppression of Deflecting Forces in Planar-Symmetric Dielectric Wakefield Accelerating Structures with Elliptical Bunches. <i>Physical Review Letters</i> , 2020, 124, 104801.	7.8	12
13	Single shot diffraction of picosecond 8.7-keV x-ray pulses. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2012, 15, .	1.8	9
14	All-optical density downramp injection in electron-driven plasma wakefield accelerators. <i>Physical Review Research</i> , 2021, 3, .	3.6	4
15	Plasma photonic spatiotemporal synchronization of relativistic electron and laser beams. <i>Physical Review Accelerators and Beams</i> , 2022, 25, .	1.6	3
16	Commissioning of the UCLA PEGASUS Photoinjector laboratory. , 0, , .		2
17	The FEL program at the PEGASUS injector. , 0, , .		0
18	The UCLA pegasus plane-wave transformer photoinjector. , 0, , .		0

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19	Bunch length measurements for advanced accelerator facilities with a single-shot interferometer. , 2011, , .		0