Graeme Campbell Burt

List of Publications by Year
in descending order

30	203	1478505 6	1125743 13
papers	citations	h-index	g-index

30	30	30	248
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Beam Optics Study on a Two-Stage Multibeam Klystron for the Future Circular Collider. IEEE Transactions on Electron Devices, 2022, 69, 4563-4571.	3.0	1
2	Dispersion in dielectric-lined waveguides designed for terahertz-driven deflection of electron beams. Applied Physics Letters, 2021, 118, .	3.3	5
3	Pushing the capture limit of thermionic gun linacs. Physical Review Accelerators and Beams, 2021, 24, .	1.6	1
4	Six-dimensional phase space preservation in a terahertz-driven multistage dielectric-lined rectangular waveguide accelerator. Physical Review Accelerators and Beams, 2021, 24, .	1.6	2
5	Acceleration of relativistic beams using laser-generated terahertz pulses. Nature Photonics, 2020, 14, 755-759.	31.4	68
6	Scaling of Beam Collective Effects with Bunch Charge in the CompactLight Free-Electron Laser. Photonics, 2020, 7, 125.	2.0	4
7	Optimization of PBG-Waveguides for Terahertz-Driven Electron Acceleration. IEEE Transactions on Plasma Science, 2020, 48, 1202-1209.	1.3	1
8	Design, specifications, and first beam measurements of the compact linear accelerator for research and applications front end. Physical Review Accelerators and Beams, 2020, 23, .	1.6	12
9	High-gradient behavior of a dipole-mode rf structure. Physical Review Accelerators and Beams, 2020, 23, .	1.6	5
10	Terahertz-driven acceleration of a relativistic 35 MeV electron beam. , 2019, , .		0
11	Characterizing the accelerating mode of a dielectric-lined waveguide designed for terahertz-driven manipulation of relativistic electron beams. , 2019, , .		0
12	Characterizing a terahertz-driven dielectric-lined waveguide for electron beam manipulation. , 2018, , .		0
13	Electron-terahertz interaction in dielectric-lined waveguide structures for electron manipulation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 909, 199-203.	1.6	10
14	A Millimeter-Wave Klystron Upconverter With a Higher Order Mode Output Cavity. IEEE Transactions on Electron Devices, 2017, 64, 3857-3862.	3.0	14
15	Compact, energy efficient superconducting asymmetric ERL for ultra-high fluxes of X-ray and THz. AIP Conference Proceedings, 2017, , .	0.4	3
16	Analytical and numerical simulation of multipactor within a helical resonant filter. , 2017, , .		0
17	Particle-in-cell simulation of second and third harmonic cavity klystron. , 2017, , .		8
18	W-band klystron upconverter driven by pseudospark-sourced electron beam. , 2017, , .		0

#	Article	IF	Citations
19	MAGIC2-D simulations of high efficiency klystrons using the core oscillation method. , 2017, , .		11
20	Hybrid electromagnetic modes â€" Structures and characteristics. , 2017, , .		2
21	2-D particle-in-cell simulations of high efficiency klystrons. , 2016, , .		4
22	Multipactor in 4 rod crab cavities. , 2016, , .		0
23	CLARA conceptual design report. Journal of Instrumentation, 2014, 9, T05001-T05001.	1.2	23
24	Automatic Optimization of a Klystron Interaction Structure. IEEE Transactions on Electron Devices, 2013, 60, 2671-2676.	3.0	7
25	Saturation of multipactor in rectangular waveguide. , 2012, , .		0
26	Phase space analysis of multipactor saturation in rectangular waveguide. Physics of Plasmas, 2012, 19, .	1.9	13
27	CLIC crab cavity design optimisation for maximum luminosity. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 657, 45-51.	1.6	5
28	Analysis and control of wakefields in X-band crab cavities for Compact Linear Collider. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 657, 27-37.	1.6	3
29	High efficiency multiple beam klystron (MBK) stability. , 2009, , .		1
30	Amplification factor in IOTs with island building. , 2009, , .		0