

John G Leopold

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	High power microwave source for a plasma wakefield experiment. Journal of Applied Physics, 2017, 121, .	2.5	19
2	Generation of high-current pulses by a magnetized squeezed electron beam. Physics of Plasmas, 2019, 26, .	1.9	14
3	Producing a magnetized low energy, high electron charge density state using a split cathode. Physics of Plasmas, 2020, 27, .	1.9	14
4	Ionization-Induced Self-Channeling of an Ultrahigh-Power Subnanosecond Microwave Beam in a Neutral Gas. Physical Review Letters, 2018, 120, 135003.	7.8	12
5	Experimental and numerical study of a split cathode fed relativistic magnetron. Journal of Applied Physics, 2021, 130, .	2.5	12
6	A Relativistic Magnetron Operated With Permanent Magnets. IEEE Transactions on Plasma Science, 2019, 47, 3997-4005.	1.3	11
7	Revisiting Power Flow and Pulse Shortening in a Relativistic Magnetron. IEEE Transactions on Plasma Science, 2015, 43, 3168-3175.	1.3	10
8	Self-oscillations in an over-injected electron diode “ Experiment and analysis. Physics of Plasmas, 2019, 26, .	1.9	10
9	An advanced relativistic magnetron operating with a split cathode and separated anode segments. Journal of Applied Physics, 2022, 131, .	2.5	10
10	Over-injection and self-oscillations in an electron vacuum diode. Physics of Plasmas, 2017, 24, .	1.9	9
11	Wakefield excitation by a powerful sub-nanosecond 28.6 GHz microwave pulse propagating in a plasma filled waveguide. Physics of Plasmas, 2019, 26, .	1.9	9
12	Wakefield in a waveguide. Physics of Plasmas, 2017, 24, .	1.9	8
13	Initiation of vacuum insulator surface high-voltage flashover with electrons produced by laser illumination. Physics of Plasmas, 2015, 22, .	1.9	7
14	Pulse-Shortening in a Relativistic Magnetron: The Role of Anode Block Axial Endcaps. IEEE Transactions on Plasma Science, 2016, 44, 1375-1385.	1.3	7
15	The interaction of intense, ultra-short microwave beams with the plasma generated by gas ionization. Physics of Plasmas, 2018, 25, 032308.	1.9	7
16	Periodic bunches produced by electron beam squeezed states in a resonant cavity. Physics of Plasmas, 2020, 27, .	1.9	7
17	Wake excitation by a powerful microwave pulse and its evolution in a plasma-filled waveguide. Physics of Plasmas, 2020, 27, .	1.9	6
18	Self-channeling of a powerful microwave beam in a preliminarily formed plasma. Physics of Plasmas, 2018, 25, .	1.9	5

#	ARTICLE	IF	CITATIONS
19	An Axial Output Relativistic Magnetron Fed by a Split Cathode and Magnetically Insulated by a Low-Power Solenoid. IEEE Transactions on Electron Devices, 2021, 68, 5227-5231.	3.0	4
20	The Interaction of a High-Power Sub-Nanosecond Microwave Pulse With Plasma. IEEE Transactions on Plasma Science, 2020, 48, 792-801.	1.3	3
21	A self-oscillating electron beam experiment. Physics of Plasmas, 2020, 27, .	1.9	3
22	Squeezed state of an electron cloud as a "quasi-neutral" one-component plasma. Physics of Plasmas, 2021, 28, .	1.9	3
23	A six vane, single radial output slot relativistic magnetron revisited. , 2015, , .		2
24	Nonlinear absorption of high-power microwave pulses in a plasma filled waveguide. Physics of Plasmas, 2021, 28, .	1.9	2
25	Investigating the power flow in a relativistic magnetron with radial output. , 2015, , .		0
26	Revisiting the relativistic A6 magnetron. , 2016, , .		0
27	The Non-Linear High-Power Microwave Complete Absorption Phenomenon in a Plasma Filled Waveguide. , 2021, , .		0
28	Generation of Space Charge Self-Oscillations in a Vacuum Diode. , 2020, , .		0
29	A Study of Electron Dynamics in a Split-Cathode Coaxially Within an Anode. , 2022, , .		0