Yue Ying Lau

List of Publications by Year
in descending order

191 papers	4,058 citations	136950 32 h-index	138484 58 g-index
194 all docs	194 docs citations	194 times ranked	1843 citing authors

#	Article	IF	Citations
1	Electromagnetic Shock-Induced Current Due to Charge Impact on a Conductor. , 2022, , .		0
2	Multi-Frequency Harmonic Magnetically Insulated Line Oscillator. , 2022, , .		0
3	Explicit Brillouin Flow Solutions in Magnetrons, Magnetically Insulated Line Oscillators, and Radial Magnetically Insulated Transmission Lines. IEEE Transactions on Plasma Science, 2021, 49, 3418-3437.	1.3	18
4	Analysis of Anode Current From a Thermionic Cathode With a 2-D Work Function Distribution. IEEE Transactions on Plasma Science, 2021, 49, 749-755.	1.3	20
5	A Relativistic and Electromagnetic Correction to the Ramoâ€“Shockley Theorem. IEEE Transactions on Plasma Science, 2021, 49, 2661-2669.	1.3	4
6	Electromagnetic and Relativistic Corrections to the Ramo-Shockley Theorem. , 2021, , .		0
7	Physical Factors that Affect the Miram Curve. , 2021, , .		0
8	Measurements of the Breakdown Threshold for Coaxial Multipactor and the Delay for Multipactor Onset. , 2021, , .		1
9	Theory, Simulation, and Experiments on Moderate-Current Magnetically Insulated Line Oscillators. , 2021, , .		0
10	Theory, simulation, and experiments on a magnetically insulated line oscillator (MILO) at 10 kA, 240 kV near Hull cutoff condition. Physics of Plasmas, 2021, 28, .	1.9	11
11	Multipactor experiments on an S-band coaxial test cell. Review of Scientific Instruments, 2021, 92, 124706.	1.3	9
12	High-Power Amplification Experiments on a Recirculating Planar Crossed-Field Amplifier. IEEE Transactions on Plasma Science, 2020, 48, 1917-1922.	1.3	5
13	Frequency and Power Measurements on the Harmonic Recirculating Planar Magnetron. IEEE Transactions on Plasma Science, 2020, 48, 1868-1878.	1.3	3
14	Thermal Electron Flow in a Planar Crossed-Field Diode. IEEE Transactions on Plasma Science, 2020, 48, 3109-3114.	1.3	10
15	HFSS and CST Simulations of a GW-Class MILO. IEEE Transactions on Plasma Science, 2020, 48, 1894-1901.	1.3	14
16	Theory of Traveling-Wave Tube Including Space Charge Effects on the Circuit Mode and Distributed Cold Tube Loss. IEEE Transactions on Plasma Science, 2020, 48, 665-668.	1.3	5
17	Effect of Nonuniform Emission on Miram Curves. IEEE Transactions on Plasma Science, 2020, 48, 146-155.	1.3	32
18	CST Particle Studio Simulations of Coaxial Multipactor and Comparison With Experiments. IEEE Transactions on Plasma Science, 2020, 48, 1942-1949.	1.3	24

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19	Design, Simulation, and Testing of an S-Band Coaxial Multipactor Test-Cell. , 2020, , .		1
20	Controlled Harmonic Frequency Locking in the Harmonic Recirculating Planar Magnetron. , 2020, , .		0
21	Multipactor Effects on Signal Quality in Transmission Lines with Impedance Mismatches. , 2020, , .		0
22	The Effect of Multipactor on the Quality of a Signal. , 2019, , .		0
23	Extensions of Johnsonâ€™s Theory of Backward-Wave Oscillations in a Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2019, 66, 1519-1524.	3.0	3
24	The effects of multipactor on the quality of a complex signal propagating in a transmission line. Physics of Plasmas, 2019, 26, .	1.9	37
25	Evolution of sausage and helical modes in magnetized thin-foil cylindrical liners driven by a Z-pinch. Physics of Plasmas, 2018, 25, 056307.	1.9	32
26	Origin of Second-Harmonic Signals in Octave Bandwidth Traveling-Wave Tubes. IEEE Transactions on Electron Devices, 2018, 65, 710-715.	3.0	5
27	Pulse Shortening in Recirculating Planar Magnetrons. IEEE Transactions on Electron Devices, 2018, 65, 2354-2360.	3.0	4
28	The electro-thermal stability of tantalum relative to aluminum and titanium in cylindrical liner ablation experiments at 550 kA. Physics of Plasmas, 2018, 25, 032701.	1.9	14
29	A Primer on Pulsed Power and Linear Transformer Drivers for High Energy Density Physics Applications. IEEE Transactions on Plasma Science, 2018, 46, 3928-3967.	1.3	57
30	Modification of Pierceâ€™s Classical Theory of Traveling-Wave Tubes. IEEE Electron Device Letters, 2018, 39, 1238-1241.	3.9	8
31	The Electrothermal Instability on Pulsed Power Ablations of Thin Foils. IEEE Transactions on Plasma Science, 2018, 46, 3753-3765.	1.3	14
32	Diagnostic and Power Feed Upgrades to the MAIZE Facility. IEEE Transactions on Plasma Science, 2018, 46, 3973-3981.	1.3	9
33	Harmonic Frequency Locking in the Multifrequency Recirculating Planar Magnetron. IEEE Transactions on Electron Devices, 2018, 65, 2347-2353.	3.0	9
34	Absolute instability and transient growth near the band edges of a traveling wave tube. Physics of Plasmas, 2018, 25, .	1.9	9
35	Re-examination of absolute instability near band edges in a traveling wave tube. , 2018, , .		0
36	High-Power Recirculating Planar Crossed-Field Amplifier Design and Development. IEEE Transactions on Electron Devices, 2018, 65, 2361-2365.	3.0	8

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37	Temperature Comparison of Looped and Vertical Carbon Nanotube Fibers during Field Emission. Applied Sciences (Switzerland), 2018, 8, 1175.	2.5	33
38	On the evaluation of Pierce parameters C and Q in a traveling wave tube. Physics of Plasmas, 2017, 24, .	1.9	15
39	100 years of the physics of diodes. Applied Physics Reviews, 2017, 4, 011304.	11.3	168
40	Electric field distribution and current emission in a miniaturized geometrical diode. Journal of Applied Physics, 2017, 121, .	2.5	43
41	Plasma-Based Pulse Shortening In The Recirculating Planar Magnetron*. , 2017, , .		1
42	Pulse-shortening in recirculating planar magnetrons. , 2017, , .		2
43	Parametric investigation of the multi-frequency recirculating planar magnetron. , 2017, , .		0
44	Research and Development of the Recirculating Planar Crossed-Field Amplifier. , 2017, , .		0
45	Experimental Investigation of Magnetized Liner Implosions on A 1-MA Linear Transformer Driver*. , 2017, , .		0
46	Experimental investigation of the effects of an axial magnetic field on the magneto Rayleigh-Taylor, sausage and kink instabilities in imploding liner-plasmas. , 2016, , .		0
47	Multi-frequency recirculating planar magnetrons. Applied Physics Letters, 2016, 109, .	3.3	15
48	Discrete helical modes in imploding and exploding cylindrical, magnetized liners. Physics of Plasmas, 2016, 23, .	1.9	30
49	Harmonic frequency generation in the multi-frequency recirculating planar magnetron. , 2016, , .		1
50	Seeded and unseeded helical modes in magnetized, non-imploding cylindrical liner-plasmas. Physics of Plasmas, 2016, 23, .	1.9	24
51	Harmonic generation under small signal conditions in a traveling wave tube. , 2016, , .		1
52	Ultrafast and nanoscale diodes. Journal of Plasma Physics, 2016, 82, .	2.1	37
53	Absolute instability near TWT band edges. , 2016, , .		4
54	An exact formulation for ultrafast electron emission due to a dc bias and a laser field. , 2016, , .		0

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55	Stability of Brillouin flow in the presence of slow-wave structure. Physics of Plasmas, 2016, 23, .	1.9	11
56	Ultrafast strong-field photoelectron emission from biased metal surfaces: exact solution to time-dependent SchrÃ¶dinger Equation. Scientific Reports, 2016, 6, 19894.	3.3	62
57	Constriction Resistance and Current Crowding in Electrically Pumped Semiconductor Nanolasers with the Presence of Undercut and Sidewall Tilt. IEEE Journal of Quantum Electronics, 2016, 52, 1-7.	1.9	10
58	Technique for fabrication of ultrathin foils in cylindrical geometry for liner-plasma implosion experiments with sub-megaampere currents. Review of Scientific Instruments, 2015, 86, 113506.	1.3	12
59	Experimental investigation of the effects of an axial magnetic field on the magneto Rayleigh-Taylor instability in ablating planar foil plasmas. , 2015, , .		0
60	Experimental microwave power extraction in the Multi-Frequency Recirculating Planar Magnetron. , 2015, , .		0
61	Experimental progress on a prototype multifrequency recirculating planar magnetron. , 2015, , .		1
62	Enhancement of coherent Smith-Purcell radiation at THz frequency. , 2015, , .		0
63	Z-Pinch plasma instability experiments on the UM linear transformer driver. , 2015, , .		0
64	Absolute Instability near the Band Edge of Traveling-Wave Amplifiers. Physical Review Letters, 2015, 115, 124801.	7.8	31
65	Harmonic Content in the Beam Current in a Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2015, 62, 4285-4292.	3.0	17
66	Absolute instability at the band edges in linear beam traveling wave tubes. , 2015, , .		0
67	Microwave Power and Phase Measurements on a Recirculating Planar Magnetron. IEEE Transactions on Plasma Science, 2015, 43, 1675-1682.	1.3	14
68	Brillouin flow in recirculating planar magnetron. , 2014, , .		0
69	An exact field solution of contact resistance and comparison with the transmission line model. Applied Physics Letters, 2014, 104, .	3.3	23
70	Recent development on the modeling of electrical contact. , 2013, , .		0
71	W-band rectangular ring-bar structure with straight-edge connections. , 2013, , .		1
72	Multipactor-susceptible RF windows as power-tunable microwave limiters. , 2013, , .		0

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73	Passive mode control in the recirculating planar magnetron. Physics of Plasmas, 2013, 20, 033108.	1.9	18
74	Recirculating-Planar-Magnetron Simulations and Experiment. IEEE Transactions on Plasma Science, 2013, 41, 639-645.	1.3	28
75	Impact of Random Fabrication Errors on Fundamental Forward-Wave Small-Signal Gain and Bandwidth in Traveling-Wave Tubes With Finite-Space-Charge Electron Beams. IEEE Transactions on Electron Devices, 2013, 60, 1221-1227.	3.0	74
76	Impact of random fabrication errors on backward-wave small-signal gain in traveling wave tubes with finite space charge electron beams. Journal of Applied Physics, 2013, 113, .	2.5	7
77	Effects of Random Circuit Fabrication Errors on the Mean and Standard Deviation of Small Signal Gain and Phase of a Traveling Wave Tube. IEEE Journal of the Electron Devices Society, 2013, 1, 117-128.	2.1	11
78	Constriction Resistance and Current Crowding in Vertical Thin Film Contact. IEEE Journal of the Electron Devices Society, 2013, 1, 83-90.	2.1	16
79	A voltage scale for electro-thermal runaway. , 2013, , .		0
80	Recent development on the modeling of electrical contact. , 2013, , .		0
81	Development of a compact LTD pulse generator for X-ray backlighting of planar foil ablation experiments. , 2013, , .		1
82	Magneto-Rayleigh-Taylor experiments on a MegaAmpere linear transformer driver. Physics of Plasmas, 2012, 19, 032701.	1.9	30
83	Excitation of a slow wave structure. Physics of Plasmas, 2012, 19, .	1.9	8
84	Effects of magnetic shear on magneto-Rayleigh-Taylor instability. Physics of Plasmas, 2012, 19, .	1.9	33
85	Recirculating Planar Magnetrons: Simulations and experiment. , 2012, , .		1
86	An unnoticed property of the cylindrical relativistic Brillouin flow. Physics of Plasmas, 2012, 19, .	1.9	9
87	Microwave plasma window breakdown theory and experiments. , 2012, , .		0
88	Advances in fabrication error analysis for a mm-wave ring-bar TWT circuit. , 2012, , .		0
89	Effects of Multiple Internal Reflections on the Small-Signal Gain and Phase of a TWT. IEEE Transactions on Electron Devices, 2012, 59, 1542-1550.	3.0	16
90	On the Spreading Resistance of Thin-Film Contacts. IEEE Transactions on Electron Devices, 2012, 59, 1936-1940.	3.0	42

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91	Contact Resistance with Dissimilar Materials: Bulk Contacts and Thin Film Contacts. , 2011, , .		4
92	Recirculating planar magnetrons: Simulations and experiment. , 2011, , .		2
93	Anisotropy and feedthrough in magneto-Rayleigh-Taylor instability. Physical Review E, 2011, 83, 066405.	2.1	53
94	Multipactor susceptibility on a dielectric with a bias dc electric field and a background gas. Physics of Plasmas, 2011, 18, .	1.9	65
95	Peer-to-peer locking of magnetrons: Analysis and experiment. , 2010, , .		1
96	High-Current Linear Transformer Driver Development at Sandia National Laboratories. IEEE Transactions on Plasma Science, 2010, 38, 704-713.	1.3	98
97	Temporal and spatial locking of nonlinear systems. Applied Physics Letters, 2010, 97, .	3.3	5
98	Negative, positive, and infinite mass properties of a rotating electron beam. Applied Physics Letters, 2010, 97, .	3.3	18
99	High power nonlinear transmission lines with nonlinear inductance. , 2010, , .		7
100	A re-examination of the Bunemanâ€“Hartree condition in a cylindrical smooth-bore relativistic magnetron. Physics of Plasmas, 2010, 17, 033102.	1.9	32
101	P4-17: Recent advances on electrical contact resistance: Theory and experiment. , 2010, , .		0
102	21.2: Electron dynamics and fast startup in inverted magnetrons. , 2010, , .		0
103	21.5: Buneman-Hartree condition revisited. , 2010, , .		0
104	Three-Dimensional Simulations of Magnetic Priming of a Relativistic Magnetron. IEEE Transactions on Plasma Science, 2010, 38, 1292-1301.	1.3	10
105	Recent advances on electrical contact resistance: Theory and experiment. , 2010, , .		1
106	Post-hole convolute studies on the Z machine at SNL and maize at U of M. , 2010, , .		0
107	An experimental investigation of the magneto-Rayleigh-Taylor instability using thin foils driven by A1-MA Ltd. , 2010, , .		0
108	Azimuthally correlated ablation between z-pinch wire cores. Physics of Plasmas, 2009, 16, 102702.	1.9	9

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109	Lumped circuit elements, statistical analysis, and radio frequency properties of electrical contact. Journal of Applied Physics, 2009, 106, 084904.	2.5	2
110	Experiments on the UM 1-MA linear transformer driver facility. , 2009, , .		0
111	Magneto-rayleigh-taylor instabilities on thin foils driven by a 1-MA LTD. , 2009, , .		0
112	Schottkyâ€™s conjecture on multiplication of field enhancement factors. Journal of Applied Physics, 2009, 106, 104903.	2.5	47
113	Experimental validation of a higher dimensional theory of electrical contact resistance. Applied Physics Letters, 2009, 95, .	3.3	18
114	RF power loss, local electric and magnetic field enhancement due to surface roughness. , 2009, , .		0
115	Conductive versus capacitive coupling for cell electroporation with nanosecond pulses. Journal of Applied Physics, 2009, 106, 074701.	2.5	10
116	Experimental study of plasma evolution in a single post-hole convolute on a 1 MA linear transformer driver. , 2009, , .		0
117	Peer-to-peer locking of magnetrons: Analysis and experiment. , 2009, , .		0
118	Theory and experimental measurements of contact resistance. , 2009, , .		3
119	RF power absorption and electric and magnetic field enhancements due to surface roughness. , 2009, , .		0
120	MAIZE: a 1 MA LTD-Driven Z-Pinch at The University of Michigan. , 2009, , .		32
121	Electron Emission near a Triple Point. , 2008, , .		0
122	Effect of Random Circuit Fabrication Errors on Small-Signal Gain and Phase in Traveling-Wave Tubes. IEEE Transactions on Electron Devices, 2008, 55, 916-924.	3.0	26
123	Magnetic Priming at the Cathode of a Relativistic Magnetron. IEEE Transactions on Plasma Science, 2008, 36, 710-717.	1.3	27
124	Analysis of peer-to-peer locking of magnetrons. Physics of Plasmas, 2008, 15, .	1.9	16
125	Effects of frequency chirp on magnetron injection locking. Physics of Plasmas, 2008, 15, 073110.	1.9	15
126	Effect of random circuit fabrication errors on small signal gain and phase in traveling wave tubes. , 2008, , .		1

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127	Effects of frequency chirp on magnetron injection locking. , 2008, , .		0
128	A higher dimensional theory of contact resistance. , 2008, , .		0
129	A higher dimensional theory of electrical contact resistance. , 2008, , .		0
130	Wire Contact Resistance Effects in a Multiwire Z-Pinch. , 2007, , .		0
131	Metal-Oxide-Junction, Triple-Point Cathodes for High Current Vacuum Electron Devices. , 2007, , .		0
132	Design of a MITL for a 1 MA LTD driving a wire array z-pinch load. , 2007, , .		0
133	Role of Ions in a Crossed-Field Diode. Physical Review Letters, 2007, 98, 015002.	7.8	23
134	Effects of Circuit Manufacturing Errors on Small Signal Gain and Phase in a Traveling Wave Tube. , 2007, , .		0
135	Performance and analysis of an electron cyclotron resonance plasma cathode. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 781-790.	2.1	9
136	Design of a MITL for a 1 MA LTD Driving a Wire Array Z-Pinch Load. , 2007, , .		1
137	Effective current enhancement vs. aspect ratio for rectangular ridge cathodes. , 2007, , .		0
138	Enhancement of cancer chemotherapyin vitroby intense ultrawideband electric field pulses. Journal of Applied Physics, 2006, 99, 094701.	2.5	12
139	Power Absorption by Dielectric Contaminants in High Power Microwave Systems. International Power Modulator Symposium and High-Voltage Workshop, 2006, , .	0.0	0
140	Modeling and Experimental Studies of Magnetron Injection Locking. IEEE International Conference on Plasma Science, 2005, , .	0.0	2
141	AC Space Charge Effects on Beam Loading of a Cavity. IEEE International Conference on Plasma Science, 2005, , .	0.0	0
142	Azimuthal clumping instabilities in a Z-pinch wire array. Physics of Plasmas, 2005, 12, 052701.	1.9	3
143	Extraction of Electron Current from the UM Large Area, ECR Plasma Neutralizer. IEEE International Conference on Plasma Science, 2005, , .	0.0	0
144	A simple physical derivation of Childâ€“Langmuir space-charge-limited emission using vacuum capacitance. American Journal of Physics, 2005, 73, 160-163.	0.7	44

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145	Simulation of rapid startup in microwave magnetrons with azimuthally varying axial magnetic fields. Applied Physics Letters, 2004, 84, 1016-1018.	3.3	41
146	Power Absorption by Thin Films on Microwave Windows. IEEE Transactions on Plasma Science, 2004, 32, 1292-1297.	1.3	11
147	Low-Noise Microwave Oven Magnetrons With Fast Start-Oscillation by Azimuthally Varying Axial Magnetic Fields. IEEE Transactions on Plasma Science, 2004, 32, 1152-1159.	1.3	30
148	Nonlinear Thomson scattering: A tutorial. Physics of Plasmas, 2003, 10, 2155-2162.	1.9	130
149	Efficient computation of current in multiwire Z-pinch arrays. IEEE Transactions on Plasma Science, 2003, 31, 1384-1387.	1.3	7
150	Limiting current in a relativistic diode under the condition of magnetic insulation. Physics of Plasmas, 2003, 10, 4489-4493.	1.9	16
151	Low-noise microwave magnetrons by azimuthally varying axial magnetic field. Applied Physics Letters, 2003, 83, 1938-1940.	3.3	59
152	Caterpillar structures in single-wire Z-pinch experiments. Applied Physics Letters, 2003, 83, 4915-4917.	3.3	9
153	Microwave absorption on a thin film. Applied Physics Letters, 2003, 82, 1353-1355.	3.3	113
154	Phase dependence of Thomson scattering in an ultraintense laser field. Physics of Plasmas, 2002, 9, 4325-4329.	1.9	31
155	Effects of pulse-length and emitter area on virtual cathode formation in electron guns. Physics of Plasmas, 2002, 9, 2377-2382.	1.9	107
156	A simulation study of beam loading on a cavity. IEEE Transactions on Plasma Science, 2002, 30, 1160-1168.	1.3	38
157	Simple Theory for the Two-Dimensional Child-Langmuir Law. Physical Review Letters, 2001, 87, 278301.	7.8	196
158	Extraction of ions from the matrix sheath in ablation-plasma ion implantation. Applied Physics Letters, 2001, 78, 706-708.	3.3	12
159	Multipactor experiment on a dielectric surface. Review of Scientific Instruments, 2001, 72, 3095-3099.	1.3	25
160	Effects of an external magnetic field, and of oblique radio-frequency electric fields on multipactor discharge on a dielectric. Physics of Plasmas, 2000, 7, 750-757.	1.9	92
161	Resonant absorption of a short-pulse laser in a doped dielectric. Applied Physics Letters, 1999, 74, 2912-2914.	3.3	1
162	Electron beam ablation of materials. Journal of Applied Physics, 1999, 86, 7129-7138.	2.5	32

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163	Multipactor discharge on metals and dielectrics: Historical review and recent theories. Physics of Plasmas, 1998, 5, 2120-2126.	1.9	292
164	Frequency response of multipactor discharge. Physics of Plasmas, 1998, 5, 300-304.	1.9	6
165	Collapse of cycloidal electron flows induced by misalignments in a magnetically insulated diode. Physics of Plasmas, 1998, 5, 2447-2453.	1.9	22
166	Absolute instability in a traveling wave tube model. Physics of Plasmas, 1998, 5, 4408-4410.	1.9	12
167	Steady state multipactor and dependence on material properties. Physics of Plasmas, 1997, 4, 863-872.	1.9	29
168	Two-Dimensional Child-Langmuir Law. Physical Review Letters, 1996, 77, 4668-4670.	7.8	173
169	One-Dimensional Modulational Instability in a Crossed-Field Gap. Physical Review Letters, 1996, 76, 3324-3327.	7.8	41
170	A novel phase focusing mechanism in multipactor discharge. Physics of Plasmas, 1996, 3, 1481-1483.	1.9	48
171	Resistive destabilization of cycloidal electron flow and universality of (nearâ€) Brillouin flow in a crossedâ€field gap. Physics of Plasmas, 1996, 3, 4455-4462.	1.9	38
172	Effects of a series resistor on electron emission from a field emitter. Applied Physics Letters, 1996, 69, 2770-2772.	3.3	33
173	An evaluation of the intrinsic emittance of a field emitter. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 2126.	1.6	13
174	A novel two-beam accelerator (twobetron). AIP Conference Proceedings, 1995, , .	0.4	0
175	Interaction of Multipactor Discharge and rf Circuit. Physical Review Letters, 1995, 75, 1218-1221.	7.8	93
176	Kinetic AlfvÃ©n mode and kinetic magnetosonic mode from a fluid description. Physics of Plasmas, 1995, 2, 1367-1371.	1.9	1
177	Transition to turbulence in a crossedâ€field gap. Physics of Plasmas, 1994, 1, 3725-3727.	1.9	59
178	Fluid description of kinetic modes. Physics of Plasmas, 1994, 1, 2816-2821.	1.9	4
179	Beam breakup growth and reduction experiments in longâ€pulse electron beam transport. Journal of Applied Physics, 1994, 75, 1258-1266.	2.5	1
180	Beam breakup instability in an annular electron beam. Journal of Applied Physics, 1993, 74, 5877-5879.	2.5	1

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181	A review of the ac spaceâ€charge effect in electronâ€“circuit interactions. Physics of Fluids B, 1992, 4, 3473-3497.	1.7	50
182	Model of cavity coupling for beam breakup control. Journal of Applied Physics, 1992, 72, 3874-3877.	2.5	4
183	Beam breakup in recirculating induction accelerators. Applied Physics Letters, 1989, 55, 2673-2675.	3.3	5
184	Effects of frequency spreads on beam breakup instabilities in linear accelerators. Applied Physics Letters, 1989, 55, 27-29.	3.3	16
185	Externally modulated intense relativistic electron beams. Journal of Applied Physics, 1988, 64, 3353-3379.	2.5	123
186	Beam breakup instabilities in linear accelerators: Transition, phase mixing, and nonlinear focusing. Applied Physics Letters, 1988, 53, 2602-2604.	3.3	11
187	Modulation of an intense beam by an external microwave source: Theory and simulation. Applied Physics Letters, 1988, 52, 431-433.	3.3	16
188	Some design considerations on using modulated intense annular electron beams for particle acceleration. Journal of Applied Physics, 1987, 62, 351-356.	2.5	20
189	Effects of cathode surface roughness on the quality of electron beams. Journal of Applied Physics, 1987, 61, 36-44.	2.5	68
190	Gyrotron travelling wave amplifier: IV. Analysis of launching losses. Journal of Infrared, Millimeter and Terahertz Waves, 1982, 3, 45-62.	0.6	8
191	Theory of a low magnetic field gyrotron (gyromagnetron). Journal of Infrared, Millimeter and Terahertz Waves, 1982, 3, 619-644.	0.6	96