Kevin L Jensen

List of Publications by Year
in descending order

185 papers	4,077 citations	101496 36 h-index	161767 54 g-index
195 all docs	195 docs citations	195 times ranked	1527 citing authors

#	Article	IF	Citations
1	Lattice Weyl-Wigner formulation of exact many-body quantum-transport theory and applications to novel solid-state quantum-based devices. Physical Review B, 1990, 42, 9429-9457.	1.1	177
2	Electron emission theory and its application: Fowlerâ€“Nordheim equation and beyond. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 1528.	1.6	154
3	Numerical simulation of intrinsic bistability and high-frequency current oscillations in resonant tunneling structures. Physical Review Letters, 1991, 66, 1078-1081.	2.9	149
4	Field emitter arrays for plasma and microwave source applications. Physics of Plasmas, 1999, 6, 2241-2253.	0.7	122
5	General formulation of thermal, field, and photoinduced electron emission. Journal of Applied Physics, 2007, 102, .	1.1	119
6	An analytical solution for microtip field emission current and effective emission area. Journal of Applied Physics, 2002, 91, 9379-9384.	1.1	97
7	Perpendicular magnetic anisotropy and high spin-polarization ratio in epitaxial Fe-N thin films. Physical Review B, 2011, 84, .	1.1	72
8	General thermal-field emission equation. Applied Physics Letters, 2006, 88, 154105.	1.5	69
9	Electron emission contributions to dark current and its relation to microscopic field enhancement and heating in accelerator structures. Physical Review Special Topics: Accelerators and Beams, 2008, 11, .	1.8	69
10	Numerical simulation of field emission and tunneling: A comparison of the Wigner function and transmission coefficient approaches. Journal of Applied Physics, 1993, 73, 4409-4427.	1.1	66
11	Emittance, surface structure, and electron emission. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	62
12	The methodology of simulating particle trajectories through tunneling structures using a Wigner distribution approach. IEEE Transactions on Electron Devices, 1991, 38, 2337-2347.	1.6	61
13	Photoemission from metals and cesiated surfaces. Journal of Applied Physics, 2007, 102, .	1.1	60
14	Emittance of a field emission electron source. Journal of Applied Physics, 2010, 107, .	1.1	60
15	Exchange-correlation, dipole, and image charge potentials for electron sources: Temperature and field variation of the barrier height. Journal of Applied Physics, 1999, 85, 2667-2680.	1.1	59
16	Space charge effects in field emission: One dimensional theory. Journal of Applied Physics, 2010, 107, .	1.1	57
17	Shielding in ungated field emitter arrays. Applied Physics Letters, 2015, 106, .	1.5	57
18	A photoemission model for low work function coated metal surfaces and its experimental validation. Journal of Applied Physics, 2006, 99, 124905.	1.1	56

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19	Simulation of resonant tunneling structures: Origin of the Iâ€“V hysteresis and plateau-like structure. Journal of Applied Physics, 2000, 87, 1337-1349.	1.1	55
20	The effects of scattering on currentâ€voltage characteristics, transient response, and particle trajectories in the numerical simulation of resonant tunneling diodes. Journal of Applied Physics, 1990, 67, 7602-7607.	1.1	51
21	New results in the theory of Fowlerâ€“Nordheim plots and the modelling of hemi-ellipsoidal emitters. Ultramicroscopy, 2001, 89, 17-22.	0.8	50
22	Electron emission from a single spindt-type field emitter: Comparison of theory with experiment. Applied Surface Science, 1997, 111, 204-212.	3.1	48
23	Numerical calculation of particle trajectories and tunneling times for resonant tunneling barrier structures. Applied Physics Letters, 1989, 55, 669-671.	1.5	47
24	Space charge effects in field emission: Three dimensional theory. Journal of Applied Physics, 2010, 107, .	1.1	47
25	A tutorial on electron sources. IEEE Transactions on Plasma Science, 2018, 46, 1881-1899.	0.6	47
26	Space charge effects on the current-voltage characteristics of gated field emitter arrays. Journal of Applied Physics, 1997, 82, 845-854.	1.1	45
27	Modelling field emitter arrays using line charge distributions. Journal Physics D: Applied Physics, 2015, 48, 385203.	1.3	45
28	Dependence of optimal spacing on applied field in ungated field emitter arrays. AIP Advances, 2015, 5, .	0.6	45
29	Numerical simulation of transient response and resonantâ€tunneling characteristics of doubleâ€barrier semiconductor structures as a function of experimental parameters. Journal of Applied Physics, 1989, 65, 5248-5250.	1.1	44
30	Graded electron affinity electron source. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 2072.	1.6	44
31	Discrete space charge affected field emission: Flat and hemisphere emitters. Journal of Applied Physics, 2015, 117, .	1.1	43
32	A reformulated general thermal-field emission equation. Journal of Applied Physics, 2019, 126, .	1.1	42
33	Generalized electron emission model for field, thermal, and photoemission. Applied Physics Letters, 2002, 81, 3867-3869.	1.5	41
34	Field emitter array development for high frequency applications. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 749.	1.6	40
35	Theory of photoemission from cesium antimonide using an alpha-semiconductor model. Journal of Applied Physics, 2008, 104, .	1.1	39
36	Analytical and seminumerical models for gated field emitter arrays. I. Theory. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 1942.	1.6	36

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37	Perspectives on Designer Photocathodes for X-ray Free-Electron Lasers: Influencing Emission Properties with Heterostructures and Nanoengineered Electronic States. Physical Review Applied, 2018, 10, .	1.5	36
38	Numerical simulation of field emission from silicon. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1993, 11, 371.	1.6	35
39	Improved Fowlerâ€“Nordheim equation for field emission from semiconductors. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1995, 13, 516.	1.6	35
40	Effective field enhancement factor and the influence of emitted space charge. Journal of Applied Physics, 2015, 118, 083302.	1.1	35
41	Numerical aspects on the simulation oflâ€Vcharacteristics and switching times of resonant tunneling diodes. Journal of Applied Physics, 1990, 67, 2153-2155.	1.1	34
42	Operation and optimization of gated field emission arrays in inductive output amplifiers. IEEE Transactions on Plasma Science, 1996, 24, 970-981.	0.6	34
43	Space charge and quantum effects on electron emission. Journal of Applied Physics, 2012, 111, 054917.	1.1	33
44	Practical considerations in the modeling of field emitter arrays with line charge distributions. Journal of Applied Physics, 2017, 121, .	1.1	33
45	Migration and escape of barium atoms in a thermionic cathode. IEEE Transactions on Plasma Science, 2000, 28, 772-781.	0.6	30
46	Emitter quantization and double hysteresis in resonant-tunneling structures:â€ƒA nonlinear model of charge oscillation and current bistability. Physical Review B, 2000, 61, 5644-5665.	1.1	29
47	Theory of Field Emission. , 0, , 33-104.		29
48	Heating of microprotrusions in accelerating structures. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	29
49	Control of bulk and edge screening effects in two-dimensional arrays of ungated field emitters. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, .	0.6	29
50	The quantum efficiency of dispenser photocathodes: Comparison of theory to experiment. Applied Physics Letters, 2004, 85, 5448-5450.	1.5	28
51	Field emission characteristics of a small number of carbon fiber emitters. AIP Advances, 2016, 6, 095007.	0.6	28
52	Time dependent models of field-assisted photoemission. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 621.	1.6	27
53	Measurement and analysis of thermal photoemission from a dispenser cathode. Physical Review Special Topics: Accelerators and Beams, 2003, 6, .	1.8	26
54	Theoretical model of the intrinsic emittance of a photocathode. Applied Physics Letters, 2006, 89, 224103.	1.5	26

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55	A quantum dipoleâ€“modified work function for a simplified electron emission barrier. Journal of Applied Physics, 2012, 111, .	1.1	26
56	INTRINSIC HIGHâ€FREQUENCY OSCILLATIONS AND EQUIVALENT CIRCUIT MODEL IN THE NEGATIVE DIFFERENTIAL RESISTANCE REGION OF RESONANT TUNNELING DEVICES. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1991, 10, 241-253.	0.5	25
57	An analytical model of an emission-gated Twystrode using a field emitter array. Journal of Applied Physics, 1998, 83, 7982-7992.	1.1	25
58	Schottkyâ€™s conjecture, field emitters, and the point charge model. AIP Advances, 2016, 6, .	0.6	25
59	On the application of quantum transport theory to electron sources. Ultramicroscopy, 2003, 95, 29-48.	0.8	24
60	Emission statistics and the characterization of array current. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 412.	1.6	24
61	Edge enhancement control in linear arrays of ungated field emitters. Journal of Applied Physics, 2016, 119, .	1.1	24
62	Active bialkali photocathodes on free-standing graphene substrates. Npj 2D Materials and Applications, 2017, 1, .	3.9	24
63	Quantum entangled supercorrelated states in the Jaynesâ€“Cummings model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 259, 285-290.	0.9	22
64	Photon assisted field emission from a silicon emitter. Solid-State Electronics, 2001, 45, 831-840.	0.8	22
65	Prototype dispenser photocathode: Demonstration and comparison to theory. Applied Physics Letters, 2007, 90, 114108.	1.5	22
66	Secondary electron amplification using single-crystal CVD diamond film. Diamond and Related Materials, 2011, 20, 798-802.	1.8	22
67	2D/3D image charge for modeling field emission. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, .	0.6	22
68	Thermal-field and photoemission from meso- and micro-scale features: Effects of screening and roughness on characterization and simulation. Journal of Applied Physics, 2019, 125, .	1.1	22
69	Bunch characteristics of an electron beam generated by a diamond secondary emitter amplifier. Journal of Applied Physics, 2010, 108, .	1.1	21
70	Time dependent, self-consistent simulations of field emission from silicon using the Wigner distribution function. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1994, 12, 770.	1.6	20
71	Analysis of a photon assisted field emission device. Applied Physics Letters, 2000, 77, 585-587.	1.5	20
72	Electron Emission Physics. Advances in Imaging and Electron Physics, 2007, 149, 1-46.	0.1	20

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73	Single layer graphene protective gas barrier for copper photocathodes. Applied Physics Letters, 2017, 110, .	1.5	20
74	Application of a general electron emission equation to surface nonuniformity and current density variation. Journal of Vacuum Science & Technology B, 2008, 26, 831-837.	1.3	19
75	Multiple scattering effects on quantum efficiency and response time for cesiated metal photocathodes. Journal of Applied Physics, 2011, 110, .	1.1	19
76	Analytic expressions for emission characteristics as a function of experimental parameters in sharp field emitter devices. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1995, 13, 511.	1.6	18
77	Equivalent circuit parameters of resonant tunneling diodes extracted from self-consistent Wigner-Poisson simulation. IEEE Transactions on Electron Devices, 2001, 48, 614-627.	1.6	18
78	Factors affecting performance of dispenser photocathodes. Journal of Applied Physics, 2007, 102, 104901.	1.1	18
79	Advanced emitters for next generation rf amplifiers. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 2038.	1.6	17
80	Current from a nano-gap hyperbolic diode using shape-factors: Theory. Journal of Applied Physics, 2017, 122, 064501.	1.1	17
81	Emission nonuniformity due to profilimetry variation in thermionic cathodes. Applied Physics Letters, 2006, 88, 164105.	1.5	16
82	Space charge, emittance, trajectories, and the modeling of field emitter arrays. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 02B101.	0.6	16
83	Analytical models of transmission probabilities for electron sources. Journal of Applied Physics, 2018, 123, .	1.1	16
84	Analytic model of a compound thermal-field emitter and its performance. Journal of Applied Physics, 2019, 126, 245301.	1.1	16
85	Analytic model of electron transport through and over non-linear barriers. Journal of Applied Physics, 2020, 127, 235301.	1.1	16
86	Emittance of a photocathode: Effects of temperature and field. Physical Review Special Topics: Accelerators and Beams, 2010, 13, .	1.8	15
87	A photoemission moments model using density functional and transfer matrix methods applied to coating layers on surfaces: Theory. Journal of Applied Physics, 2018, 123, .	1.1	15
88	Verifications of Schottky's Conjecture. Journal of Applied Physics, 2019, 125, 215306.	1.1	15
89	Investigation of the Schottky Conjecture for compound structures modeled with line charges. Journal of Applied Physics, 2019, 125, 215307.	1.1	15
90	Spatial dependence of the temperature profile along a carbon nanotube during thermal-field emission. Journal of Applied Physics, 2020, 128, 025107.	1.1	15

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91	Field emission from an elliptical boss: Exact and approximate forms for area factors and currents. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1994, 12, 776.	1.6	14
92	Modeling emission lag after photoexcitation. Journal of Applied Physics, 2017, 122, .	1.1	14
93	Freeâ€Standing Bialkali Photocathodes Using Atomically Thin Substrates. Advanced Materials Interfaces, 2018, 5, 1800249.	1.9	14
94	A new multiscale approach to rapidly determine the local emission current density of nanoscale metallic field emitters. Journal of Applied Physics, 2021, 130, .	1.1	14
95	Shot noise power spectrum of planar field emitters. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 380.	1.6	12
96	Field-enhanced photoemission from metals and coated materials. Journal of Vacuum Science & Technology B, 2006, 24, 863.	1.3	12
97	Photoemission Theory and the Development of High Performance Photocathodes. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1754-1769.	0.4	12
98	Scattering and the relationship between quantum efficiency and emittance. Journal of Applied Physics, 2013, 113, .	1.1	12
99	Field emission from an elliptical boss: Exact versus approximate treatments. Applied Physics Letters, 1993, 63, 702-704.	1.5	11
100	Simulation of time-dependent quantum transport in field emission from semiconductors: Complications due to scattering, surface density, and temperature. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1995, 13, 505.	1.6	11
101	Semianalytical model of electron source potential barriers. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 515.	1.6	11
102	Influence of image force potential on the shot noise properties of field emitters. Applied Physics Letters, 2004, 85, 3763-3765.	1.5	11
103	Enhanced lifetime hybrid-diffuser cesium reservoir photocathode. AIP Conference Proceedings, 2012, , .	0.3	11
104	Semi-analytic model of a carbon fiber thermal-field emitter. Journal of Applied Physics, 2021, 129, 095107.	1.1	11
105	Design and construction of apparatus for characterization of gated field emitter array electron emission. Review of Scientific Instruments, 1996, 67, 2387-2393.	0.6	10
106	Optimization of field emission arrays for inductive output amplifiers. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 1990.	1.6	10
107	Theoretical analysis of 1D resonant tunneling behavior in ion-enhanced cold field and thermo-field emission. Journal of Applied Physics, 2016, 120, 213301.	1.1	10
108	Analytical and seminumerical models for gated field emitter arrays. II. Comparison of theory to experiment. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 1947.	1.6	9

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109	A, B, and C characterization of gated field emission arrays for radio frequency device performance. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 1994.	1.6	9
110	A comparison of flicker noise and shot noise on a hot cathode. IEEE Transactions on Plasma Science, 2000, 28, 794-797.	0.6	9
111	Wigner wave packets: Transmission, reflection, and tunneling. Physical Review B, 2021, 103, .	1.1	9
112	Electron emission from a single Spindtâ€type field emitter structure: Correlation of theory and experiment. Applied Physics Letters, 1996, 68, 2807-2809.	1.5	8
113	Analytic Wigner distribution function for tunneling and trajectory models. Journal of Applied Physics, 2019, 125, .	1.1	8
114	Reevaluating the Hartman effect for field emission. Physical Review A, 2021, 104, .	1.0	8
115	Towards a Robust, Efficient Dispenser Photocathode: the Effect of Recesiation on Quantum Efficiency. , 2009, , .		7
116	Delayed photo-emission model for beam optics codes. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, .	0.6	7
117	Demonstration of 3-D-Printed Field-Emission Cathodes. IEEE Transactions on Plasma Science, 2019, 47, 4292-4300.	0.6	7
118	Cesium-Coated Halide Perovskites as a Photocathode Material: Modeling Insights. Journal of Physical Chemistry Letters, 2021, 12, 6269-6276.	2.1	7
119	Enhancing secondary yield of a diamond amplifier using a nitrogen layer. Journal of Applied Physics, 2015, 117, .	1.1	6
120	Quantum Efficiency Enhancement of Bialkali Photocathodes by an Atomically Thin Layer on Substrates. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900501.	0.8	6
121	An extended moments model of quantum efficiency for metals and semiconductors. Journal of Applied Physics, 2020, 128, .	1.1	6
122	Analytic expressions for emission in sharp field emitter diodes. Journal of Applied Physics, 1995, 77, 3569-3571.	1.1	5
123	ORIGIN OF HYSTERESIS AND PLATEAU-LIKE BEHAVIOR OF THE I-V CHARACTERISTICS OF RESONANT TUNNELING DIODES. International Journal of Modern Physics B, 2000, 14, 411-426.	1.0	5
124	Advanced photocathode simulation and theory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 238-241.	0.7	5
125	Analytic Wigner distribution function for a split potential well. Journal of Applied Physics, 2019, 126, 144301.	1.1	5
126	QUANTUM TRANSPORT: NOVEL APPROACHES IN THE FORMULATION AND APPLICATIONS TO QUANTUMâ€BASED SOLIDâ€STATE DEVICES. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1991, 10, 509-524.	0.5	4

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127	A COMPARISON OF THE TRANSMISSION COEFFICIENT AND THE WIGNER FUNCTION APPROACHES TO FIELD EMISSION. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1992, 11, 457-470.	0.5	4
128	Space Based Applications for FEA Cathodes (FEAC). Materials Research Society Symposia Proceedings, 2000, 621, 481.	0.1	4
129	Infrared photoelectron emission from Scandate dispenser cathodes. Applied Physics Letters, 2003, 83, 1269-1271.	1.5	4
130	Electron Emission Physics. Advances in Imaging and Electron Physics, 2007, , 280-323.	0.1	4
131	MMW to upper-MMW vacuum electronics research at NRL. , 2009, , .		4
132	The Quantum Mechanical Extension of the Drude Zener Theory and the Optical Constants of an Alpha Semiconductor. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1770-1788.	0.4	4
133	Deposition and spin polarization study of Fe4N thin films with (111) orientation. AIP Advances, 2017, 7, 095001.	0.6	4
134	Development of dispenser photocathodes for RF photoinjectors. , 0, , .		3
135	Modeling the quantum efficiency of controlled porosity dispenser photocathodes. Applied Physics Letters, 2012, 100, 034102.	1.5	3
136	Modeling the resupply, diffusion, and evaporation of cesium on the surface of controlled porosity dispenser photocathodes. Journal of Applied Physics, 2013, 114, .	1.1	3
137	Density of states of Cs3Sb calculated using density-functional theory for modeling photoemission. , 2017, , .		3
138	SIMULATION OF FIELD EMISSION FROM SILICON: SELFâ€CONSISTENT CORRECTIONS USING THE WIGNER DISTRIBUTION FUNCTION. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1993, 12, 507-515.	0.5	2
139	Emission statistics and the characterization of array current. , 0, , .		2
140	Fabrication and measurement of efficient, robust cesiated dispenser photocathodes. , 2007, , .		2
141	Electron Emission Physics. Advances in Imaging and Electron Physics, 2007, 149, 147-279.	0.1	2
142	11.6: Emission characterization of diamond current amplifier. , 2010, , .		2
143	Electrostatic time-domain PIC simulations of RF density-modulated electron sources with MICHELLE. , 2012, , .		2
144	Thermal-field emission from cones and wires. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2022, 40, 022801.	0.6	2

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145	Influence of thermal contact resistance on the field emission characteristics of a carbon nanotube. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2022, 40, 042804.	0.6	2
146	Effects of space charge on the current-voltage characteristics of field emitter arrays. , 1997, , .		1
147	Analysis of Measured I(V) Relations for Electron Emission from Insulating Diamond Films on Various SI Substrates. Materials Research Society Symposia Proceedings, 1999, 558, 603.	0.1	1
148	Simulation of the Influence of Interface Charge on Electron Emission. Materials Research Society Symposia Proceedings, 2000, 621, 331.	0.1	1
149	Electron Transmission Through Modified Schottky Barriers. Materials Research Society Symposia Proceedings, 2001, 685, 1.	0.1	1
150	Fabrication and Measurement of Low Workfunction Cesiated Dispenser Photocathodes. , 0, , .		1
151	A General Thermal-Field Emission Equation. , 0, , .		1
152	A theoretical photocathode emittance model including temperature and field effects. , 2007, , .		1
153	Diamond current amplifier for spatially-distributed beam generation. , 2009, , .		1
154	11.3: Emittance, space charge, and sharp electron sources. , 2010, , .		1
155	11.5: Electron transport and emission from thin film semiconductors. , 2010, , .		1
156	Diamond bonding and metallization for electron transmission cathodes. , 2012, , .		1
157	Secondary Electron Transmission Studies of the Electron Diffusion and Thermalization Processes in Thin CVD Diamond Films. MRS Advances, 2016, 1, 1081-1086.	0.5	1
158	Photocathode: Free-Standing Bialkali Photocathodes Using Atomically Thin Substrates (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	1
159	A Thermal-Field-Photoemission Model and Its Application. Topics in Applied Physics, 2020, , 345-385.	0.4	1
160	Calculation of density of states for modeling photoemission using method of moments. , 2017, , .		1
161	Theoretical Analysis of Fowler Nordheim Parameterization and RLC Characteristics for Ring Cathode Field Emitter Arrays for Next Generation RF Amplifiers. Materials Research Society Symposia Proceedings, 1998, 509, 3.	0.1	0
162	New route to electron emission. Physics World, 2000, 13, 25-26.	0.0	0

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163	Time-dependent models of field-assisted photoemission. , 0, , .		0
164	Experimental Validation of a Photoemission Model for End-to-End Beam Simulations and Custom Photocathode Designs. , 0, , .		0
165	A Study of Macroscopic Emission Non-Uniformity in Thermionic Cathodes Due to Profilimetry Variation. , 0, , .		0
166	Photoelectron Emission and Secondary Electron Emission Characteristics of Cesiated p-type GaN. , 0, , .		0
167	Development of a general thermal-field-photoemission model and its relation to current density, emittance, and beam brightness. , 2007, , .		0
168	Application of a general electron emission equation to surface non-uniformity and current density variation. , 2007, , .		0
169	An analytical model of the emittance of a field emission array cathode for high performance free electron lasers. , 2009, , .		0
170	Field, Current and Heat Propagation inside Microprotrusions in High Gradient Structures. , 2010, , .		0
171	Characterization of electron bunches from a diamond current amplifier. , 2010, , .		0
172	6.5: Electron emission from alkali-coated metal photocathodes. , 2010, , .		0
173	5.1: Space charge, emittance, trajectories and the modeling of field emitter arrays. , 2010, , .		0
174	Fabrication and Characterization of Single-crystal CVD Diamond Current Amplifier. Materials Research Society Symposia Proceedings, 2011, 1282, 129.	0.1	0
175	A transit time model of space charge and its comparison to experimental data. , 2012, , .		0
176	Scattering and the prediction of Quantum Efficiency and response time characteristics. , 2012, , .		0
177	Development of a diamond transmitted secondary electron source. , 2012, , .		0
178	Development of biased diamond current amplifier. , 2012, , .		0
179	“Much ado about nothing”: Electron sources and transport in vacuum. , 2012, , .		0
180	Emittance and emission from arrays with statistical variation. , 2013, , .		0

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181	Sub-gap photo-enhanced secondary electron emission from single-crystal CVD diamond. , 2013, , .		0
182	Thermal field emission from a log-normal distribution: Impact on space charge and emittance. , 2013, , .		0
183	Modeling the evaporation rate of cesium off tungsten based controlled porosity dispenser photocathodes. AIP Advances, 2013, 3, 042105.	0.6	0
184	Resonant tunneling behavior in ion-enhanced field and thermo-field emission. , 2016, , .		0
185	A Distribution-Function Approach in the Many-Body Quantum Transport Theory of Quantum-Based Devices. , 1991, , 219-222.		0