Kevin L Jensen

List of Publications by Year
in descending order

185	4,077	101543	161849
papers	citations	36 h-index	54 g-index

195	195	195	1527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermal-field emission from cones and wires. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2022, 40, 022801.	1.2	2
2	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.	1.2	2
3	Semi-analytic model of a carbon fiber thermal-field emitter. Journal of Applied Physics, 2021, 129, 095107.	2.5	11
4	Wigner wave packets: Transmission, reflection, and tunneling. Physical Review B, 2021, 103, .	3.2	9
5	Cesium-Coated Halide Perovskites as a Photocathode Material: Modeling Insights. Journal of Physical Chemistry Letters, 2021, 12, 6269-6276.	4.6	7
6	A new multiscale approach to rapidly determine the local emission current density of nanoscale metallic field emitters. Journal of Applied Physics, 2021, 130, .	2.5	14
7	Reevaluating the Hartman effect for field emission. Physical Review A, 2021, 104, .	2.5	8
8	Spatial dependence of the temperature profile along a carbon nanotube during thermal-field emission. Journal of Applied Physics, 2020, 128, 025107.	2.5	15
9	An extended moments model of quantum efficiency for metals and semiconductors. Journal of Applied Physics, 2020, 128, .	2.5	6
10	Analytic model of electron transport through and over non-linear barriers. Journal of Applied Physics, 2020, 127, 235301.	2.5	16
11	A Thermal-Field-Photoemission Model and Its Application. Topics in Applied Physics, 2020, , 345-385.	0.8	1
12	A reformulated general thermal-field emission equation. Journal of Applied Physics, 2019, 126, .	2.5	42
13	Analytic Wigner distribution function for a split potential well. Journal of Applied Physics, 2019, 126, 144301.	2.5	5
14	Quantum Efficiency Enhancement of Bialkali Photocathodes by an Atomically Thin Layer on Substrates. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900501.	1.8	6
15	Demonstration of 3-D-Printed Field-Emission Cathodes. IEEE Transactions on Plasma Science, 2019, 47, 4292-4300.	1.3	7
16	Verifications of Schottky's Conjecture. Journal of Applied Physics, 2019, 125, 215306.	2.5	15
17	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, .	2.5	22
18	Investigation of the Schottky Conjecture for compound structures modeled with line charges. Journal of Applied Physics, 2019, 125, 215307.	2.5	15

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19	Analytic Wigner distribution function for tunneling and trajectory models. Journal of Applied Physics, 2019, 125, .	2.5	8
20	Analytic model of a compound thermal-field emitter and its performance. Journal of Applied Physics, 2019, 126, 245301.	2.5	16
21	Freeâ€Standing Bialkali Photocathodes Using Atomically Thin Substrates. Advanced Materials Interfaces, 2018, 5, 1800249.	3.7	14
22	A photoemission moments model using density functional and transfer matrix methods applied to coating layers on surfaces: Theory. Journal of Applied Physics, 2018, 123, .	2.5	15
23	Analytical models of transmission probabilities for electron sources. Journal of Applied Physics, 2018, 123, .	2.5	16
24	A tutorial on electron sources. IEEE Transactions on Plasma Science, 2018, 46, 1881-1899.	1.3	47
25	Perspectives on Designer Photocathodes for X-ray Free-Electron Lasers: Influencing Emission Properties with Heterostructures and Nanoengineered Electronic States. Physical Review Applied, 2018, 10, .	3.8	36
26	Photocathode: Free-Standing Bialkali Photocathodes Using Atomically Thin Substrates (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.7	1
27	Single layer graphene protective gas barrier for copper photocathodes. Applied Physics Letters, 2017, 110, .	3.3	20
28	Active bialkali photocathodes on free-standing graphene substrates. Npj 2D Materials and Applications, 2017, 1, .	7.9	24
29	Practical considerations in the modeling of field emitter arrays with line charge distributions. Journal of Applied Physics, 2017, 121, .	2.5	33
30	2D/3D image charge for modeling field emission. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, .	1.2	22
31	Delayed photo-emission model for beam optics codes. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, .	1.2	7
32	Deposition and spin polarization study of Fe4N thin films with (111) orientation. AIP Advances, 2017, 7, 095001.	1.3	4
33	Current from a nano-gap hyperbolic diode using shape-factors: Theory. Journal of Applied Physics, 2017, 122, 064501.	2.5	17
34	Modeling emission lag after photoexcitation. Journal of Applied Physics, 2017, 122, .	2.5	14
35	Calculation of density of states for modeling photoemission using method of moments. , 2017, , .		1
36	Density of states of Cs3Sb calculated using density-functional theory for modeling photoemission. , 2017, , .		3

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37	Edge enhancement control in linear arrays of ungated field emitters. Journal of Applied Physics, 2016, 119, .	2.5	24
38	Schottkyâ€™s conjecture, field emitters, and the point charge model. AIP Advances, 2016, 6, .	1.3	25
39	Theoretical analysis of 1D resonant tunneling behavior in ion-enhanced cold field and thermo-field emission. Journal of Applied Physics, 2016, 120, 213301.	2.5	10
40	Field emission characteristics of a small number of carbon fiber emitters. AIP Advances, 2016, 6, 095007.	1.3	28
41	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, .	1.2	29
42	Resonant tunneling behavior in ion-enhanced field and thermo-field emission. , 2016, , .		0
43	Secondary Electron Transmission Studies of the Electron Diffusion and Thermalization Processes in Thin CVD Diamond Films. MRS Advances, 2016, 1, 1081-1086.	0.9	1
44	Modelling field emitter arrays using line charge distributions. Journal Physics D: Applied Physics, 2015, 48, 385203.	2.8	45
45	Effective field enhancement factor and the influence of emitted space charge. Journal of Applied Physics, 2015, 118, 083302.	2.5	35
46	Dependence of optimal spacing on applied field in ungated field emitter arrays. AIP Advances, 2015, 5, .	1.3	45
47	Shielding in ungated field emitter arrays. Applied Physics Letters, 2015, 106, .	3.3	57
48	Discrete space charge affected field emission: Flat and hemisphere emitters. Journal of Applied Physics, 2015, 117, .	2.5	43
49	Enhancing secondary yield of a diamond amplifier using a nitrogen layer. Journal of Applied Physics, 2015, 117, .	2.5	6
50	Emittance, surface structure, and electron emission. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	62
51	Emittance and emission from arrays with statistical variation. , 2013, , .		0
52	Sub-gap photo-enhanced secondary electron emission from single-crystal CVD diamond. , 2013, , .		0
53	Thermal field emission from a log-normal distribution: Impact on space charge and emittance. , 2013, , .		0
54	Heating of microprotrusions in accelerating structures. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	29

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55	Modeling the resupply, diffusion, and evaporation of cesium on the surface of controlled porosity dispenser photocathodes. Journal of Applied Physics, 2013, 114, .	2.5	3
56	Scattering and the relationship between quantum efficiency and emittance. Journal of Applied Physics, 2013, 113, .	2.5	12
57	Modeling the evaporation rate of cesium off tungsten based controlled porosity dispenser photocathodes. AIP Advances, 2013, 3, 042105.	1.3	0
58	Modeling the quantum efficiency of controlled porosity dispenser photocathodes. Applied Physics Letters, 2012, 100, 034102.	3.3	3
59	Space charge and quantum effects on electron emission. Journal of Applied Physics, 2012, 111, 054917.	2.5	33
60	A quantum dipoleâ€“modified work function for a simplified electron emission barrier. Journal of Applied Physics, 2012, 111, .	2.5	26
61	Enhanced lifetime hybrid-diffuser cesium reservoir photocathode. AIP Conference Proceedings, 2012, , .	0.4	11
62	Diamond bonding and metallization for electron transmission cathodes. , 2012, , .		1
63	A transit time model of space charge and its comparison to experimental data. , 2012, , .		0
64	Scattering and the prediction of Quantum Efficiency and response time characteristics. , 2012, , .		0
65	Development of a diamond transmitted secondary electron source. , 2012, , .		0
66	Electrostatic time-domain PIC simulations of RF density-modulated electron sources with MICHELLE. , 2012, , .		2
67	Development of biased diamond current amplifier. , 2012, , .		0
68	“Much ado about nothing”: Electron sources and transport in vacuum. , 2012, , .		0
69	Space charge, emittance, trajectories, and the modeling of field emitter arrays. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 02B101.	1.2	16
70	Fabrication and Characterization of Single-crystal CVD Diamond Current Amplifier. Materials Research Society Symposia Proceedings, 2011, 1282, 129.	0.1	0
71	Secondary electron amplification using single-crystal CVD diamond film. Diamond and Related Materials, 2011, 20, 798-802.	3.9	22
72	Perpendicular magnetic anisotropy and high spin-polarization ratio in epitaxial Fe-N thin films. Physical Review B, 2011, 84, .	3.2	72

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73	Multiple scattering effects on quantum efficiency and response time for cesiated metal photocathodes. Journal of Applied Physics, 2011, 110, .	2.5	19
74	Field, Current and Heat Propagation inside Microprotrusions in High Gradient Structures. , 2010, , .		0
75	Space charge effects in field emission: One dimensional theory. Journal of Applied Physics, 2010, 107, .	2.5	57
76	Bunch characteristics of an electron beam generated by a diamond secondary emitter amplifier. Journal of Applied Physics, 2010, 108, .	2.5	21
77	Space charge effects in field emission: Three dimensional theory. Journal of Applied Physics, 2010, 107, .	2.5	47
78	Emittance of a field emission electron source. Journal of Applied Physics, 2010, 107, .	2.5	60
79	Emittance of a photocathode: Effects of temperature and field. Physical Review Special Topics: Accelerators and Beams, 2010, 13, .	1.8	15
80	Characterization of electron bunches from a diamond current amplifier. , 2010, , .		0
81	6.5: Electron emission from alkali-coated metal photocathodes. , 2010, , .		0
82	11.3: Emittance, space charge, and sharp electron sources. , 2010, , .		1
83	11.5: Electron transport and emission from thin film semiconductors. , 2010, , .		1
84	11.6: Emission characterization of diamond current amplifier. , 2010, , .		2
85	5.1: Space charge, emittance, trajectories and the modeling of field emitter arrays. , 2010, , .		0
86	An analytical model of the emittance of a field emission array cathode for high performance free electron lasers. , 2009, , .		0
87	Photoemission Theory and the Development of High Performance Photocathodes. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1754-1769.	0.4	12
88	MMW to upper-MMW vacuum electronics research at NRL. , 2009, , .		4
89	Diamond current amplifier for spatially-distributed beam generation. , 2009, , .		1
90	Towards a Robust, Efficient Dispenser Photocathode: the Effect of Recesiation on Quantum Efficiency. , 2009, , .		7

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91	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
92	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
93	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
94	Theory of photoemission from cesium antimonide using an alpha-semiconductor model. Journal of Applied Physics, 2008, 104, .	2.5	39
95	Fabrication and measurement of efficient, robust cesiated dispenser photocathodes. , 2007, , .		2
96	A theoretical photocathode emittance model including temperature and field effects. , 2007, , .		1
97	Photoemission from metals and cesiated surfaces. Journal of Applied Physics, 2007, 102, .	2.5	60
98	Prototype dispenser photocathode: Demonstration and comparison to theory. Applied Physics Letters, 2007, 90, 114108.	3.3	22
99	Factors affecting performance of dispenser photocathodes. Journal of Applied Physics, 2007, 102, 104901.	2.5	18
100	Development of a general thermal-field-photoemission model and its relation to current density, emittance, and beam brightness. , 2007, , .		0
101	Electron Emission Physics. Advances in Imaging and Electron Physics, 2007, 149, 1-46.	0.2	20
102	Application of a general electron emission equation to surface non-uniformity and current density variation. , 2007, , .		0
103	General formulation of thermal, field, and photoinduced electron emission. Journal of Applied Physics, 2007, 102, .	2.5	119
104	Electron Emission Physics. Advances in Imaging and Electron Physics, 2007, 149, 147-279.	0.2	2
105	Electron Emission Physics. Advances in Imaging and Electron Physics, 2007, , 280-323.	0.2	4
106	Emission nonuniformity due to profilimetry variation in thermionic cathodes. Applied Physics Letters, 2006, 88, 164105.	3.3	16
107	A photoemission model for low work function coated metal surfaces and its experimental validation. Journal of Applied Physics, 2006, 99, 124905.	2.5	56
108	General thermal-field emission equation. Applied Physics Letters, 2006, 88, 154105.	3.3	69

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109	Field-enhanced photoemission from metals and coated materials. Journal of Vacuum Science & Technology B, 2006, 24, 863.	1.3	12
110	Theoretical model of the intrinsic emittance of a photocathode. Applied Physics Letters, 2006, 89, 224103.	3.3	26
111	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
112	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
113	Influence of image force potential on the shot noise properties of field emitters. Applied Physics Letters, 2004, 85, 3763-3765.	3.3	11
114	The quantum efficiency of dispenser photocathodes: Comparison of theory to experiment. Applied Physics Letters, 2004, 85, 5448-5450.	3.3	28
115	Advanced photocathode simulation and theory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 238-241.	1.6	5
116	On the application of quantum transport theory to electron sources. Ultramicroscopy, 2003, 95, 29-48.	1.9	24
117	Measurement and analysis of thermal photoemission from a dispenser cathode. Physical Review Special Topics: Accelerators and Beams, 2003, 6, .	1.8	26
118	Infrared photoelectron emission from Scandate dispenser cathodes. Applied Physics Letters, 2003, 83, 1269-1271.	3.3	4
119	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
120	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
121	An analytical solution for microtip field emission current and effective emission area. Journal of Applied Physics, 2002, 91, 9379-9384.	2.5	97
122	Generalized electron emission model for field, thermal, and photoemission. Applied Physics Letters, 2002, 81, 3867-3869.	3.3	41
123	Electron Transmission Through Modified Schottky Barriers. Materials Research Society Symposia Proceedings, 2001, 685, 1.	0.1	1
124	New results in the theory of Fowlerâ€“Nordheim plots and the modelling of hemi-ellipsoidal emitters. Ultramicroscopy, 2001, 89, 17-22.	1.9	50
125	Photon assisted field emission from a silicon emitter. Solid-State Electronics, 2001, 45, 831-840.	1.4	22
126	Equivalent circuit parameters of resonant tunneling diodes extracted from self-consistent Wigner-Poisson simulation. IEEE Transactions on Electron Devices, 2001, 48, 614-627.	3.0	18

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127	New route to electron emission. Physics World, 2000, 13, 25-26.	0.0	0
128	Simulation of the Influence of Interface Charge on Electron Emission. Materials Research Society Symposia Proceedings, 2000, 621, 331.	0.1	1
129	Space Based Applications for FEA Cathodes (FEAC). Materials Research Society Symposia Proceedings, 2000, 621, 481.	0.1	4
130	Migration and escape of barium atoms in a thermionic cathode. IEEE Transactions on Plasma Science, 2000, 28, 772-781.	1.3	30
131	A comparison of flicker noise and shot noise on a hot cathode. IEEE Transactions on Plasma Science, 2000, 28, 794-797.	1.3	9
132	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.	2.0	5
133	Analysis of a photon assisted field emission device. Applied Physics Letters, 2000, 77, 585-587.	3.3	20
134	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.	3.2	29
135	Simulation of resonant tunneling structures: Origin of the Iâ€“V hysteresis and plateau-like structure. Journal of Applied Physics, 2000, 87, 1337-1349.	2.5	55
136	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
137	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.	2.5	59
138	Quantum entangled supercorrelated states in the Jaynesâ€“Cummings model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 259, 285-290.	2.1	22
139	Field emitter arrays for plasma and microwave source applications. Physics of Plasmas, 1999, 6, 2241-2253.	1.9	122
140	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
141	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
142	An analytical model of an emission-gated Twystrode using a field emitter array. Journal of Applied Physics, 1998, 83, 7982-7992.	2.5	25
143	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
144	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

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145	Space charge effects on the current-voltage characteristics of gated field emitter arrays. Journal of Applied Physics, 1997, 82, 845-854.	2.5	45
146	Effects of space charge on the current-voltage characteristics of field emitter arrays. , 1997, , .		1
147	Electron emission from a single spindt-type field emitter: Comparison of theory with experiment. Applied Surface Science, 1997, 111, 204-212.	6.1	48
148	Operation and optimization of gated field emission arrays in inductive output amplifiers. IEEE Transactions on Plasma Science, 1996, 24, 970-981.	1.3	34
149	Design and construction of apparatus for characterization of gated field emitter array electron emission. Review of Scientific Instruments, 1996, 67, 2387-2393.	1.3	10
150	Electron emission from a single Spindtâ€type field emitter structure: Correlation of theory and experiment. Applied Physics Letters, 1996, 68, 2807-2809.	3.3	8
151	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
152	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
153	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
154	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
155	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
156	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
157	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
158	Analytic expressions for emission in sharp field emitter diodes. Journal of Applied Physics, 1995, 77, 3569-3571.	2.5	5
159	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
160	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
161	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
162	Field emission from an elliptical boss: Exact versus approximate treatments. Applied Physics Letters, 1993, 63, 702-704.	3.3	11

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163	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.	2.5	66
164	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
165	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.	0.9	2
166	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.	0.9	4
167	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.	0.9	4
168	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.	0.9	25
169	The methodology of simulating particle trajectories through tunneling structures using a Wigner distribution approach. IEEE Transactions on Electron Devices, 1991, 38, 2337-2347.	3.0	61
170	Numerical simulation of intrinsic bistability and high-frequency current oscillations in resonant tunneling structures. Physical Review Letters, 1991, 66, 1078-1081.	7.8	149
171	A Distribution-Function Approach in the Many-Body Quantum Transport Theory of Quantum-Based Devices. , 1991, , 219-222.		0
172	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.	2.5	51
173	Numerical aspects on the simulation oflâ€Vcharacteristics and switching times of resonant tunneling diodes. Journal of Applied Physics, 1990, 67, 2153-2155.	2.5	34
174	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.	3.2	177
175	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.	2.5	44
176	Numerical calculation of particle trajectories and tunneling times for resonant tunneling barrier structures. Applied Physics Letters, 1989, 55, 669-671.	3.3	47
177	Theory of Field Emission. , 0, , 33-104.		29
178	Emission statistics and the characterization of array current. , 0, , .		2
179	Development of dispenser photocathodes for RF photoinjectors. , 0, , .		3
180	Time-dependent models of field-assisted photoemission. , 0, , .		0

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181	Fabrication and Measurement of Low Workfunction Cesiated Dispenser Photocathodes. , 0, , .		1
182	Experimental Validation of a Photoemission Model for End-to-End Beam Simulations and Custom Photocathode Designs. , 0, , .		0
183	A General Thermal-Field Emission Equation. , 0, , .		1
184	A Study of Macroscopic Emission Non-Uniformity in Thermionic Cathodes Due to Profilimetry Variation. , 0, , .		0
185	Photoelectron Emission and Secondary Electron Emission Characteristics of Cesiated p-type GaN. , 0, , .		0