

Kevin L Jensen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156
papers

3,261
citations

33
h-index

47
g-index

195
ext. papers

3,736
ext. citations

2.4
avg, IF

5.67
L-index

#	Paper	IF	Citations
156	Thermal-field emission from cones and wires. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2022 , 40, 022801	1.3	1
155	A new multiscale approach to rapidly determine the local emission current density of nanoscale metallic field emitters. <i>Journal of Applied Physics</i> , 2021 , 130, 144302	2.5	7
154	Semi-analytic model of a carbon fiber thermal-field emitter. <i>Journal of Applied Physics</i> , 2021 , 129, 095107.	2.5	6
153	Wigner wave packets: Transmission, reflection, and tunneling. <i>Physical Review B</i> , 2021 , 103,	3.3	4
152	Cesium-Coated Halide Perovskites as a Photocathode Material: Modeling Insights. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 6269-6276	6.4	2
151	Reevaluating the Hartman effect for field emission. <i>Physical Review A</i> , 2021 , 104,	2.6	3
150	Analytic model of electron transport through and over non-linear barriers. <i>Journal of Applied Physics</i> , 2020 , 127, 235301	2.5	12
149	A Thermal-Field-Photoemission Model and Its Application. <i>Topics in Applied Physics</i> , 2020 , 345-385	0.5	1
148	Spatial dependence of the temperature profile along a carbon nanotube during thermal-field emission. <i>Journal of Applied Physics</i> , 2020 , 128, 025107	2.5	8
147	An extended moments model of quantum efficiency for metals and semiconductors. <i>Journal of Applied Physics</i> , 2020 , 128, 015301	2.5	3
146	Demonstration of 3-D-Printed Field-Emission Cathodes. <i>IEEE Transactions on Plasma Science</i> , 2019 , 47, 4292-4300	1.3	5
145	Verifications of Schottky's Conjecture. <i>Journal of Applied Physics</i> , 2019 , 125, 215306	2.5	12
144	Thermal-field and photoemission from meso- and micro-scale features: Effects of screening and roughness on characterization and simulation. <i>Journal of Applied Physics</i> , 2019 , 125, 234303	2.5	16
143	Investigation of the Schottky Conjecture for compound structures modeled with line charges. <i>Journal of Applied Physics</i> , 2019 , 125, 215307	2.5	12
142	Analytic Wigner distribution function for tunneling and trajectory models. <i>Journal of Applied Physics</i> , 2019 , 125, 114303	2.5	5
141	A reformulated general thermal-field emission equation. <i>Journal of Applied Physics</i> , 2019 , 126, 065302	2.5	26
140	Analytic Wigner distribution function for a split potential well. <i>Journal of Applied Physics</i> , 2019 , 126, 144301	2.5	2

139	Quantum Efficiency Enhancement of Bialkali Photocathodes by an Atomically Thin Layer on Substrates. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1900501	1.6	3
138	Analytic model of a compound thermal-field emitter and its performance. <i>Journal of Applied Physics</i> , 2019 , 126, 245301	2.5	11
137	Free-Standing Bialkali Photocathodes Using Atomically Thin Substrates. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800249	4.6	10
136	A photoemission moments model using density functional and transfer matrix methods applied to coating layers on surfaces: Theory. <i>Journal of Applied Physics</i> , 2018 , 123, 045301	2.5	10
135	Analytical models of transmission probabilities for electron sources. <i>Journal of Applied Physics</i> , 2018 , 123, 065301	2.5	10
134	A tutorial on electron sources. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 1881-1899	1.3	34
133	Photocathode: Free-Standing Bialkali Photocathodes Using Atomically Thin Substrates (Adv. Mater. Interfaces 13/2018). <i>Advanced Materials Interfaces</i> , 2018 , 5, 1870065	4.6	1
132	Perspectives on Designer Photocathodes for X-ray Free-Electron Lasers: Influencing Emission Properties with Heterostructures and Nanoengineered Electronic States. <i>Physical Review Applied</i> , 2018 , 10,	4.3	27
131	Single layer graphene protective gas barrier for copper photocathodes. <i>Applied Physics Letters</i> , 2017 , 110, 041607	3.4	15
130	Active bialkali photocathodes on free-standing graphene substrates. <i>Npj 2D Materials and Applications</i> , 2017 , 1,	8.8	16
129	Practical considerations in the modeling of field emitter arrays with line charge distributions. <i>Journal of Applied Physics</i> , 2017 , 121, 203303	2.5	30
128	2D/3D image charge for modeling field emission. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017 , 35, 02C101	1.3	16
127	Delayed photo-emission model for beam optics codes. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017 , 35, 02C102	1.3	7
126	Deposition and spin polarization study of Fe4N thin films with (111) orientation. <i>AIP Advances</i> , 2017 , 7, 095001	1.5	3
125	Current from a nano-gap hyperbolic diode using shape-factors: Theory. <i>Journal of Applied Physics</i> , 2017 , 122, 064501	2.5	16
124	Modeling emission lag after photoexcitation. <i>Journal of Applied Physics</i> , 2017 , 122, 164501	2.5	11
123	Calculation of density of states for modeling photoemission using method of moments 2017 ,		1
122	Density of states of Cs3Sb calculated using density-functional theory for modeling photoemission 2017 ,		3

121	Secondary Electron Transmission Studies of the Electron Diffusion and Thermalization Processes in Thin CVD Diamond Films. <i>MRS Advances</i> , 2016 , 1, 1081-1086	0.7	0
120	Edge enhancement control in linear arrays of ungated field emitters. <i>Journal of Applied Physics</i> , 2016 , 119, 043301	2.5	19
119	Schottky conjecture, field emitters, and the point charge model. <i>AIP Advances</i> , 2016 , 6, 065005	1.5	24
118	Theoretical analysis of 1D resonant tunneling behavior in ion-enhanced cold field and thermo-field emission. <i>Journal of Applied Physics</i> , 2016 , 120, 213301	2.5	9
117	Field emission characteristics of a small number of carbon fiber emitters. <i>AIP Advances</i> , 2016 , 6, 095007	1.5	26
116	Control of bulk and edge screening effects in two-dimensional arrays of ungated field emitters. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016 , 34, 041215	1.3	21
115	Shielding in ungated field emitter arrays. <i>Applied Physics Letters</i> , 2015 , 106, 201603	3.4	46
114	Discrete space charge affected field emission: Flat and hemisphere emitters. <i>Journal of Applied Physics</i> , 2015 , 117, 194902	2.5	37
113	Enhancing secondary yield of a diamond amplifier using a nitrogen layer. <i>Journal of Applied Physics</i> , 2015 , 117, 214501	2.5	4
112	Modelling field emitter arrays using line charge distributions. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 385203	3	38
111	Effective field enhancement factor and the influence of emitted space charge. <i>Journal of Applied Physics</i> , 2015 , 118, 083302	2.5	27
110	Dependence of optimal spacing on applied field in ungated field emitter arrays. <i>AIP Advances</i> , 2015 , 5, 087182	1.5	35
109	Field Emission [Fundamental Theory to Usage 2014 , 1-29		15
108	Emittance, surface structure, and electron emission. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014 , 17,		54
107	Heating of microprotrusions in accelerating structures. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2013 , 16,		24
106	Modeling the resupply, diffusion, and evaporation of cesium on the surface of controlled porosity dispenser photocathodes. <i>Journal of Applied Physics</i> , 2013 , 114, 104906	2.5	1
105	Modeling the evaporation rate of cesium off tungsten based controlled porosity dispenser photocathodes. <i>AIP Advances</i> , 2013 , 3, 042105	1.5	
104	Electrostatic time-domain PIC simulations of RF density-modulated electron sources with MICHELLE 2012 ,		2

103	Modeling the quantum efficiency of controlled porosity dispenser photocathodes. <i>Applied Physics Letters</i> , 2012 , 100, 034102	3.4	2
102	Space charge and quantum effects on electron emission. <i>Journal of Applied Physics</i> , 2012 , 111, 054917	2.5	26
101	A quantum dipole modified work function for a simplified electron emission barrier. <i>Journal of Applied Physics</i> , 2012 , 111, 054916	2.5	23
100	Enhanced lifetime hybrid-diffuser cesium reservoir photocathode 2012 ,		2
99	Fabrication and Characterization of Single-crystal CVD Diamond Current Amplifier. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1282, 129		
98	Secondary electron amplification using single-crystal CVD diamond film. <i>Diamond and Related Materials</i> , 2011 , 20, 798-802	3.5	14
97	Space charge, emittance, trajectories, and the modeling of field emitter arrays. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011 , 29, 02B101	1.3	12
96	Perpendicular magnetic anisotropy and high spin-polarization ratio in epitaxial Fe-N thin films. <i>Physical Review B</i> , 2011 , 84,	3.3	65
95	Multiple scattering effects on quantum efficiency and response time for cesiated metal photocathodes. <i>Journal of Applied Physics</i> , 2011 , 110, 034504	2.5	13
94	Space charge effects in field emission: One dimensional theory. <i>Journal of Applied Physics</i> , 2010 , 107, 014904	2.5	52
93	Bunch characteristics of an electron beam generated by a diamond secondary emitter amplifier. <i>Journal of Applied Physics</i> , 2010 , 108, 044509	2.5	15
92	Space charge effects in field emission: Three dimensional theory. <i>Journal of Applied Physics</i> , 2010 , 107, 014905	2.5	41
91	Emittance of a field emission electron source. <i>Journal of Applied Physics</i> , 2010 , 107, 014903	2.5	45
90	Emittance of a photocathode: Effects of temperature and field. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2010 , 13,		12
89	11.3: Emittance, space charge, and sharp electron sources 2010 ,		1
88	11.6: Emission characterization of diamond current amplifier 2010 ,		2
87	Photoemission Theory and the Development of High Performance Photocathodes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009 , 6, 1754-1769	0.3	10
86	MMW to upper-MMW vacuum electronics research at NRL 2009 ,		2

85	Towards a Robust, Efficient Dispenser Photocathode: the Effect of Recesiation on Quantum Efficiency 2009 ,		5
84	The Quantum Mechanical Extension of the Drude Zener Theory and the Optical Constants of an Alpha Semiconductor. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009 , 6, 1770-1788	0.3	3
83	Electron emission contributions to dark current and its relation to microscopic field enhancement and heating in accelerator structures. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2008 , 11,		57
82	Application of a general electron emission equation to surface nonuniformity and current density variation. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 831		19
81	Theory of photoemission from cesium antimonide using an alpha-semiconductor model. <i>Journal of Applied Physics</i> , 2008 , 104, 044907	2.5	34
80	General formulation of thermal, field, and photoinduced electron emission. <i>Journal of Applied Physics</i> , 2007 , 102, 024911	2.5	90
79	Electron Emission Physics. <i>Advances in Imaging and Electron Physics</i> , 2007 , 149, 147-279	0.2	2
78	Electron Emission Physics. <i>Advances in Imaging and Electron Physics</i> , 2007 , 280-323	0.2	4
77	A theoretical photocathode emittance model including temperature and field effects 2007 ,		1
76	Photoemission from metals and cesiated surfaces. <i>Journal of Applied Physics</i> , 2007 , 102, 074902	2.5	51
75	Prototype dispenser photocathode: Demonstration and comparison to theory. <i>Applied Physics Letters</i> , 2007 , 90, 114108	3.4	19
74	Factors affecting performance of dispenser photocathodes. <i>Journal of Applied Physics</i> , 2007 , 102, 104901	1.5	15
73	Electron Emission Physics. <i>Advances in Imaging and Electron Physics</i> , 2007 , 149, 1-46	0.2	14
72	Field-enhanced photoemission from metals and coated materials. <i>Journal of Vacuum Science & Technology B</i> , 2006 , 24, 863		10
71	Theoretical model of the intrinsic emittance of a photocathode. <i>Applied Physics Letters</i> , 2006 , 89, 224103	3.4	21
70	Emission nonuniformity due to profilometry variation in thermionic cathodes. <i>Applied Physics Letters</i> , 2006 , 88, 164105	3.4	12
69	A photoemission model for low work function coated metal surfaces and its experimental validation. <i>Journal of Applied Physics</i> , 2006 , 99, 124905	2.5	46
68	General thermal-field emission equation. <i>Applied Physics Letters</i> , 2006 , 88, 154105	3.4	48

67	Time dependent models of field-assisted photoemission. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005 , 23, 621		23
66	Shot noise power spectrum of planar field emitters. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005 , 23, 380		7
65	Influence of image force potential on the shot noise properties of field emitters. <i>Applied Physics Letters</i> , 2004 , 85, 3763-3765	3.4	7
64	The quantum efficiency of dispenser photocathodes: Comparison of theory to experiment. <i>Applied Physics Letters</i> , 2004 , 85, 5448-5450	3.4	22
63	Emission statistics and the characterization of array current. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2003 , 21, 412		17
62	Advanced photocathode simulation and theory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 507, 238-241 ^{1,2}		3
61	On the application of quantum transport theory to electron sources. <i>Ultramicroscopy</i> , 2003 , 95, 29-48	3.1	18
60	Measurement and analysis of thermal photoemission from a dispenser cathode. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2003 , 6,		20
59	Infrared photoelectron emission from Scandate dispenser cathodes. <i>Applied Physics Letters</i> , 2003 , 83, 1269-1271	3.4	1
58	Electron emission theory and its application: Fowler-Nordheim equation and beyond. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2003 , 21, 1528		131
57	An analytical solution for microtip field emission current and effective emission area. <i>Journal of Applied Physics</i> , 2002 , 91, 9379-9384	2.5	82
56	Generalized electron emission model for field, thermal, and photoemission. <i>Applied Physics Letters</i> , 2002 , 81, 3867-3869	3.4	31
55	New results in the theory of Fowler-Nordheim plots and the modelling of hemi-ellipsoidal emitters. <i>Ultramicroscopy</i> , 2001 , 89, 17-22	3.1	44
54	Photon assisted field emission from a silicon emitter. <i>Solid-State Electronics</i> , 2001 , 45, 831-840	1.7	21
53	. <i>IEEE Transactions on Electron Devices</i> , 2001 , 48, 614-627	2.9	11
52	Electron Transmission Through Modified Schottky Barriers. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 685, 1		1
51	Simulation of the Influence of Interface Charge on Electron Emission. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 621, 331		1
50	Space Based Applications for FEA Cathodes (FEAC). <i>Materials Research Society Symposia Proceedings</i> , 2000 , 621, 481		1

49	Migration and escape of barium atoms in a thermionic cathode. <i>IEEE Transactions on Plasma Science</i> , 2000 , 28, 772-781	1.3	22
48	A comparison of flicker noise and shot noise on a hot cathode. <i>IEEE Transactions on Plasma Science</i> , 2000 , 28, 794-797	1.3	5
47	ORIGIN OF HYSTERESIS AND PLATEAU-LIKE BEHAVIOR OF THE I-V CHARACTERISTICS OF RESONANT TUNNELING DIODES. <i>International Journal of Modern Physics B</i> , 2000 , 14, 411-426	1.1	4
46	Analysis of a photon assisted field emission device. <i>Applied Physics Letters</i> , 2000 , 77, 585-587	3.4	19
45	Emitter quantization and double hysteresis in resonant-tunneling structures: A nonlinear model of charge oscillation and current bistability. <i>Physical Review B</i> , 2000 , 61, 5644-5665	3.3	22
44	Simulation of resonant tunneling structures: Origin of the $I-V$ hysteresis and plateau-like structure. <i>Journal of Applied Physics</i> , 2000 , 87, 1337-1349	2.5	44
43	Semianalytical model of electron source potential barriers. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1999 , 17, 515		7
42	Exchange-correlation, dipole, and image charge potentials for electron sources: Temperature and field variation of the barrier height. <i>Journal of Applied Physics</i> , 1999 , 85, 2667-2680	2.5	52
41	Quantum entangled supercorrelated states in the Jaynes-Cummings model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999 , 259, 285-290	2.3	20
40	Field emitter arrays for plasma and microwave source applications. <i>Physics of Plasmas</i> , 1999 , 6, 2241-2253	3.1	107
39	Analysis of Measured I(V) Relations for Electron Emission from Insulating Diamond Films on Various Si Substrates. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 558, 603		
38	Advanced emitters for next generation rf amplifiers. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1998 , 16, 2038		13
37	An analytical model of an emission-gated Twystrode using a field emitter array. <i>Journal of Applied Physics</i> , 1998 , 83, 7982-7992	2.5	19
36	Field emitter array development for high frequency applications. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1998 , 16, 749		37
35	Theoretical Analysis of Fowler Nordheim Parameterization and RLC Characteristics for Ring Cathode Field Emitter Arrays for Next Generation RF Amplifiers. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 509, 3		
34	Space charge effects on the current-voltage characteristics of gated field emitter arrays. <i>Journal of Applied Physics</i> , 1997 , 82, 845-854	2.5	35
33	Electron emission from a single spindt-type field emitter: Comparison of theory with experiment. <i>Applied Surface Science</i> , 1997 , 111, 204-212	6.7	38
32	Analytical and seminumerical models for gated field emitter arrays. I. Theory. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996 , 14, 1942		31

31	Analytical and seminumerical models for gated field emitter arrays. II. Comparison of theory to experiment. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996 , 14, 1947		5
30	Optimization of field emission arrays for inductive output amplifiers. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996 , 14, 1990		8
29	A, B, and C characterization of gated field emission arrays for radio frequency device performance. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996 , 14, 1994		7
28	Graded electron affinity electron source. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996 , 14, 2072		38
27	Operation and optimization of gated field emission arrays in inductive output amplifiers. <i>IEEE Transactions on Plasma Science</i> , 1996 , 24, 970-981	1.3	22
26	Design and construction of apparatus for characterization of gated field emitter array electron emission. <i>Review of Scientific Instruments</i> , 1996 , 67, 2387-2393	1.7	7
25	Electron emission from a single Spindt-type field emitter structure: Correlation of theory and experiment. <i>Applied Physics Letters</i> , 1996 , 68, 2807-2809	3.4	6
24	Simulation of time-dependent quantum transport in field emission from semiconductors: Complications due to scattering, surface density, and temperature. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1995 , 13, 516		10
23	Analytic expressions for emission characteristics as a function of experimental parameters in sharp field emitter devices. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1995 , 13, 511		15
22	Analytic expressions for emission in sharp field emitter diodes. <i>Journal of Applied Physics</i> , 1995 , 77, 3569-3571	2.5	4
21	Improved Fowler-Nordheim equation for field emission from semiconductors. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1995 , 13, 516		25
20	Field emission from an elliptical boss: Exact and approximate forms for area factors and currents. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1994 , 12, 776		13
19	Time dependent, self-consistent simulations of field emission from silicon using the Wigner distribution function. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1994 , 12, 770		12
18	Numerical simulation of field emission and tunneling: A comparison of the Wigner function and transmission coefficient approaches. <i>Journal of Applied Physics</i> , 1993 , 73, 4409-4427	2.5	60
17	Numerical simulation of field emission from silicon. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1993 , 11, 371		27
16	SIMULATION OF FIELD EMISSION FROM SILICON: SELF-CONSISTENT CORRECTIONS USING THE WIGNER DISTRIBUTION FUNCTION. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 1993 , 12, 507-515	0.7	1
15	Field emission from an elliptical boss: Exact versus approximate treatments. <i>Applied Physics Letters</i> , 1993 , 63, 702-704	3.4	8
14	A COMPARISON OF THE TRANSMISSION COEFFICIENT AND THE WIGNER FUNCTION APPROACHES TO FIELD EMISSION. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 1992 , 11, 457-470	0.7	3

13	QUANTUM TRANSPORT: NOVEL APPROACHES IN THE FORMULATION AND APPLICATIONS TO QUANTUM-BASED SOLID-STATE DEVICES. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 1991 , 10, 509-524	0.7	2
12	INTRINSIC HIGH-FREQUENCY OSCILLATIONS AND EQUIVALENT CIRCUIT MODEL IN THE NEGATIVE DIFFERENTIAL RESISTANCE REGION OF RESONANT TUNNELING DEVICES. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 1991 , 10, 241-253	0.7	21
11	. <i>IEEE Transactions on Electron Devices</i> , 1991 , 38, 2337-2347	2.9	51
10	Numerical simulation of intrinsic bistability and high-frequency current oscillations in resonant tunneling structures. <i>Physical Review Letters</i> , 1991 , 66, 1078-1081	7.4	128
9	The Inclusion of Scattering in the Simulation of Quantum Well Devices 1991 , 239-242		
8	A Distribution-Function Approach in the Many-Body Quantum Transport Theory of Quantum-Based Devices 1991 , 219-222		
7	The effects of scattering on current-voltage characteristics, transient response, and particle trajectories in the numerical simulation of resonant tunneling diodes. <i>Journal of Applied Physics</i> , 1990 , 67, 7602-7607	2.5	42
6	Numerical aspects on the simulation of I-V characteristics and switching times of resonant tunneling diodes. <i>Journal of Applied Physics</i> , 1990 , 67, 2153-2155	2.5	31
5	Lattice Weyl-Wigner formulation of exact many-body quantum-transport theory and applications to novel solid-state quantum-based devices. <i>Physical Review B</i> , 1990 , 42, 9429-9457	3.3	151
4	Numerical simulation of transient response and resonant-tunneling characteristics of double-barrier semiconductor structures as a function of experimental parameters. <i>Journal of Applied Physics</i> , 1989 , 65, 5248-5250	2.5	38
3	Numerical calculation of particle trajectories and tunneling times for resonant tunneling barrier structures. <i>Applied Physics Letters</i> , 1989 , 55, 669-671	3.4	43
2	Theory of Field Emission33-104		21
1	Emission statistics and the characterization of array current		2