

Naum Ginzburg

List of Publications by Year in descending order

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papers

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Relativistic gyrotrons and cyclotron autoresonance masers. International Journal of Electronics, 1981, 51, 541-567.	1.4	286
2	Theory of non-stationary processes in gyrotrons with low Q resonators. International Journal of Electronics, 1986, 61, 881-894.	1.4	167
3	Generation of Cherenkov superradiance pulses with a peak power exceeding the power of the driving short electron beam. Physical Review E, 2006, 74, 016501.	2.1	107
4	Theory of transients in relativistic backward-wave tubes. Radiophysics and Quantum Electronics, 1978, 21, 728-739.	0.5	105
5	Experimental Observation of Cyclotron Superradiance under Group Synchronism Conditions. Physical Review Letters, 1997, 78, 2365-2368.	7.8	96
6	Generation of powerful subnanosecond microwave pulses by intense electron bunches moving in a periodic backward wave structure in the superradiative regime. Physical Review E, 1999, 60, 3297-3304.	2.1	96
7	High-Efficiency Single-Mode Free-Electron Maser Oscillator Based on a Bragg Resonator with Step of Phase of Corrugation. Physical Review Letters, 2000, 84, 3574-3577.	7.8	75
8	Generation of Electromagnetic Fields of Extremely High Intensity by Coherent Summation of Cherenkov Superradiance Pulses. Physical Review Letters, 2015, 115, 114802.	7.8	71
9	Theory and design of a free-electron maser with two-dimensional feedback driven by a sheet electron beam. Physical Review E, 1999, 60, 935-945.	2.1	67
10	Quasi-optical theory of relativistic submillimeter surface-wave oscillators. Applied Physics Letters, 2011, 99, .	3.3	62
11	Production of short microwave pulses with a peak power exceeding the driving electron beam power. Laser and Particle Beams, 2003, 21, 187-196.	1.0	57
12	Using Two-Dimensional Distributed Feedback for Synchronization of Radiation from Two Parallel-Sheet Electron Beams in a Free-Electron Maser. Physical Review Letters, 2016, 117, 114801.	7.8	52
13	Stimulated scattering of waves in microwave generators with high-current relativistic electron beams: simulation of two-stage free-electron lasers. International Journal of Electronics, 1985, 59, 247-289.	1.4	48
14	Generation of Rogue Waves in Gyrotrons Operating in the Regime of Developed Turbulence. Physical Review Letters, 2017, 119, 034801.	7.8	48
15	Multifrequency generation in free-electron lasers with quasi-optical resonators. International Journal of Electronics, 1985, 59, 291-314.	1.4	47
16	Experimental studies of two-dimensional coaxial Bragg structures for a high-power free-electron maser. Applied Physics Letters, 2002, 80, 1517-1519.	3.3	47
17	High-Power Terahertz-Range Planar Gyrotrons with Transverse Energy Extraction. Physical Review Letters, 2012, 108, 105101.	7.8	46
18	Time-domain self-consistent theory of frequency-locking regimes in gyrotrons with low-Q resonators. Physics of Plasmas, 2015, 22, .	1.9	45

#	ARTICLE	IF	CITATIONS
19	Generation of Subterahertz Superradiance Pulses Based on Excitation of a Surface Wave by Relativistic Electron Bunches Moving in Oversized Corrugated Waveguides. <i>Physical Review Letters</i> , 2016, 117, 204801.	7.8	45
20	Cherenkov superradiance with a peak power higher than electron flow power. <i>JETP Letters</i> , 2003, 77, 266-269.	1.4	43
21	Powerful surface-wave oscillators with two-dimensional periodic structures. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	42
22	Tunable terahertz band planar Bragg reflectors. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	41
23	Generation of spatially coherent radiation in free-electron masers with two-dimensional distributed feedback. <i>JETP Letters</i> , 2008, 87, 618-622.	1.4	37
24	A proposal to use reflection with delay for achieving the self-modulation and stochastic regimes in millimeter-wave gyrotrons. <i>Technical Physics Letters</i> , 1998, 24, 436-438.	0.7	36
25	Frequency Tunable sub-THz Gyrotron for Direct Measurements of Positronium Hyperfine Structure. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 975-983.	2.2	33
26	Observation of Chaotic Dynamics in a Powerful Backward-Wave Oscillator. <i>Physical Review Letters</i> , 2002, 89, 108304.	7.8	32
27	Oversized co-axial and cylindrical surface-wave oscillators with two-dimensional periodical grating (quasi-optical model). <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	29
28	Improving selectivity of free electron maser with 1D Bragg resonator using coupling of propagating and trapped waves. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2005, 8, .	1.8	28
29	Generation of "gigantic" ultra-short microwave pulses based on passive mode-locking effect in electron oscillators with saturable absorber in the feedback loop. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	27
30	Self-oscillation in uhf generators with diffraction radiation output. <i>Radiophysics and Quantum Electronics</i> , 1986, 29, 89-97.	0.5	26
31	Experiment on pulse heating and surface degradation of a copper cavity powered by powerful 30 GHz free electron maser. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2011, 14, .	1.8	26
32	Nonlinear theory of a free electron laser with a helical wiggler and an axial guide magnetic field. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2013, 16, .	1.8	26
33	Self-Amplification of Coherent Spontaneous Emission in a Cherenkov Free-Electron Maser. <i>Physical Review Letters</i> , 2000, 84, 2393-2396.	7.8	25
34	Generation, Amplification, and Nonlinear Self-Compression of Powerful Superradiance Pulses. <i>IEEE Transactions on Plasma Science</i> , 2013, 41, 646-660.	1.3	25
35	Electron-optical systems for planar gyrotrons. <i>Physics of Plasmas</i> , 2014, 21, 023106.	1.9	24
36	Frequency Locking and Stabilization Regimes in High-Power Gyrotrons with Low-Q Resonators. <i>Radiophysics and Quantum Electronics</i> , 2016, 58, 684-693.	0.5	24

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37	Phase-Imposing Initiation of Cherenkov Superradiance Emission by an Ultrashort-Seed Microwave Pulse. <i>Physical Review Letters</i> , 2017, 118, 264801.	7.8	23
38	Generation of intense spatially coherent superradiant pulses in strongly oversized 2D periodical surface-wave structure. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	23
39	Nonlinear theory of electromagnetic wave generation and amplification based on the anomalous Doppler effect. <i>Radiophysics and Quantum Electronics</i> , 1979, 22, 323-330.	0.5	22
40	Mechanisms of amplification of ultrashort electromagnetic pulses in gyrotron traveling wave tube with helically corrugated waveguide. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	22
41	On the synthesis of radiation spectrum in a sectioned relativistic backward wave tube. <i>Technical Physics Letters</i> , 2003, 29, 164-167.	0.7	21
42	Effect of the nonlinear compression of ultrashort microwave pulses in the process of the amplification by quasistationary electron beams. <i>JETP Letters</i> , 2010, 91, 553-557.	1.4	21
43	Terahertz free-electron lasers with bragg structures based on the coupling between traveling and quasicritical waves. <i>JETP Letters</i> , 2010, 91, 266-270.	1.4	20
44	Generation of a periodic sequence of powerful ultrashort pulses in a traveling wave tube with bleachable absorber in the feedback loop. <i>Technical Physics Letters</i> , 2015, 41, 836-839.	0.7	20
45	Generation of trains of ultrashort microwave pulses by two coupled helical gyro-TWTs operating in regimes of amplification and nonlinear absorption. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	20
46	Coherent Summation of Emission From Relativistic Cherenkov Sources as a Way of Production of Extremely High-Intensity Microwave Pulses. <i>IEEE Transactions on Plasma Science</i> , 2016, 44, 377-385.	1.3	19
47	Powerful oversized W-band free-electron maser with advanced Bragg resonator based on coupling of propagating and cutoff waves. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	19
48	Stimulated Coherent Emission from Short Electron Bunches in Free Space. <i>Physical Review Letters</i> , 1996, 77, 1492-1495.	7.8	18
49	Self-Induced Transparency and Electromagnetic Pulse Compression in a Plasma or an Electron Beam under Cyclotron Resonance Conditions. <i>Physical Review Letters</i> , 2010, 105, 265001.	7.8	17
50	Generation of powerful narrow-band 75-GHz radiation in a free-electron maser with two-dimensional distributed feedback. <i>Technical Physics Letters</i> , 2013, 39, 801-804.	0.7	16
51	Experimental observation of cyclotron superradiance. <i>JETP Letters</i> , 1996, 63, 331-335.	1.4	15
52	3D Quasioptical Theory of Terahertz Superradiance of an Extended Electron Bunch Moving Over a Corrugated Surface. <i>Physical Review Letters</i> , 2013, 110, 184801.	7.8	15
53	Quasi-optical theory of relativistic surface-wave oscillators with one-dimensional and two-dimensional periodic planar structures. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	15
54	Time-domain theory of gyrotron traveling wave amplifiers operating at grazing incidence. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	15

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55	Improvement of Stability of High Cyclotron Harmonic Operation in the Double-Beam THz Gyrotrons. IEEE Transactions on Plasma Science, 2016, , 1-7.	1.3	15
56	Observation of the high-Q modes inside the resonance zone of two-dimensional Bragg structures. Applied Physics Letters, 2008, 92, .	3.3	14
57	Production of Powerful Spatially Coherent Radiation in Planar and Coaxial FEM Exploiting Two-Dimensional Distributed Feedback. IEEE Transactions on Plasma Science, 2009, 37, 1792-1800.	1.3	14
58	Self-induced transparency, compression, and stopping of electromagnetic pulses interacting with beams of unexcited classical oscillators. Journal of Experimental and Theoretical Physics, 2011, 113, 772-780.	0.9	14
59	Three-dimensional particle-in-cell modeling of terahertz gyrotrons with cylindrical and planar configurations of the interaction space. Physics of Plasmas, 2013, 20, 043103.	1.9	14
60	Two Ways for High-Power Generation of Subterahertz Radiation by Usage of Strong Relativistic Electron Beams. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 478-485.	3.1	14
61	Cherenkov masers with two-dimensional distributed feedback. Technical Physics Letters, 2010, 36, 83-87.	0.7	13
62	Powerful terahertz free electron lasers with hybrid Bragg reflectors. Physical Review Special Topics: Accelerators and Beams, 2011, 14, .	1.8	13
63	Experimental observation of superradiance in the stimulated scattering of an intense microwave pump wave by a counterpropagating subnanosecond high-current relativistic electron bunch. JETP Letters, 2005, 82, 263-266.	1.4	12
64	Conversion of an Electromagnetic Wave into a Periodic Train of Solitons under Cyclotron Resonance Interaction with a Backward Beam of Unexcited Electron-Oscillators. Physical Review Letters, 2014, 113, 143901.	7.8	12
65	Nonlinear Cyclotron Resonance Absorber for a Microwave Subnanosecond Pulse Generator Powered by a Helical-Waveguide Gyrotron Traveling-Wave Tube. Physical Review Applied, 2020, 13, .	3.8	12
66	Controllable spectrum of an axial-mode gyrotron with external reflections. Technical Physics, 2006, 51, 78-81.	0.7	11
67	Characteristic features of the amplification of short electromagnetic pulses during propagation along steady-state electron beams. Technical Physics Letters, 1999, 25, 930-932.	0.7	10
68	Quasi-optical model of relativistic surface-wave generators for millimeter and submillimeter range. Technical Physics Letters, 2011, 37, 605-609.	0.7	10
69	Undulator superradiance effect and its applicability for the generation of multimegawatt terahertz pulses. Journal of Experimental and Theoretical Physics, 2014, 119, 632-640.	0.9	10
70	Dynamics of semiconductor lasers with two-dimensional distributed feedback. Physical Review A, 2015, 91, .	2.5	10
71	Time-domain theory of low-Q gyrotrons with frequency-dependent reflections of output radiation. Physics of Plasmas, 2018, 25, .	1.9	10
72	Nonstationary processes in a diffraction-output orotron. Technical Physics, 2000, 45, 480-485.	0.7	9

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73	Mechanism of free electron maser self-excitation using coupled propagating and trapped modes. Technical Physics Letters, 2006, 32, 896-900.	0.7	9
74	Amplification of ultrashort electromagnetic pulses propagating along quasi-continuous electron beams. Technical Physics, 2009, 54, 103-109.	0.7	9
75	Evanescent waves propagation along a periodically corrugated surface and their amplification by relativistic electron beam (quasi-optical theory). Physics of Plasmas, 2013, 20, .	1.9	9
76	Quasi-optical theory of coaxial and cylindrical relativistic surface-wave oscillators. Technical Physics, 2013, 58, 267-276.	0.7	9
77	A traveling-wave ring resonator with Bragg deflectors in a two-stage terahertz free-electron laser. Technical Physics Letters, 2014, 40, 730-734.	0.7	9
78	Relativistic Sub-THz Surface-Wave Oscillators With Transverse Gaussian-Like Radiation Output. IEEE Electron Device Letters, 2021, 42, 751-754.	3.9	9
79	Quasi-optical theory of relativistic Cherenkov surface-wave oscillators with oversized cylindrical waveguides. Physics of Plasmas, 2021, 28, .	1.9	9
80	Development of High-Power Millimeter-Wave Surface-Wave Generators Based on Relativistic Ribbon Electron Beams. Radiophysics and Quantum Electronics, 2020, 63, 458-468.	0.5	9
81	Free-electron maser with high-selectivity Bragg resonator using coupled propagating and trapped modes. Technical Physics Letters, 2010, 36, 952-956.	0.7	8
82	Short-wavelength tunable Bragg reflectors based on coupling of propagating and cutoff waves: Modeling and experimental studies. Applied Physics Letters, 2012, 101, 083507.	3.3	8
83	Gyrotron generation of broadband chaotic radiation under overlapping of high- and low-frequency resonances. Technical Physics, 2017, 62, 1562-1568.	0.7	8
84	Phase-imposed regime of relativistic backward-wave oscillators. Journal of Applied Physics, 2018, 124, .	2.5	8
85	K _a -Band 100-kW Subnanosecond Pulse Generator Mode-Locked by a Nonlinear Cyclotron Resonance Absorber. Physical Review Applied, 2021, 16, .	3.8	8
86	High-efficiency narrow-band free-electron maser using a Bragg cavity with a phase discontinuity in the ripples. Technical Physics Letters, 1999, 25, 429-432.	0.7	7
87	Planar free-electron lasers with combined 1D/2D Bragg mirror resonators: A theoretical study. Technical Physics Letters, 2000, 26, 701-704.	0.7	7
88	Generation of periodic high-power ultrashort pulse sequences in a chain of coupled traveling-wave tubes operating in the regimes of amplification and nonlinear Kompfner suppression. Technical Physics Letters, 2017, 43, 842-845.	0.7	7
89	Generation of ultrashort microwave pulses in the sub-THz and THz range based on the cyclotron superradiance effect. Technical Physics Letters, 2017, 43, 831-834.	0.7	7
90	Dissipative solitons in electron oscillators with a saturable absorber. Physics of Plasmas, 2018, 25, .	1.9	7

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91	Generation of Electromagnetic Rogue-Waves in Submillimeter-Band Gyrotrons. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 150-157.	2.2	7
92	The generation of superradiance pulses by high-current subnanosecond electron bunches moving in a periodic slow-wave system: Theory and experiment. <i>Technical Physics</i> , 2002, 47, 80-87.	0.7	6
93	Ponderomotive effects in intense pumping wave action on electron and plasma bunches. <i>Journal of Experimental and Theoretical Physics</i> , 2003, 96, 904-914.	0.9	6
94	Experimental Observation of Chaotic Generation at 1.5% Spectral Width in a Gyrotron under Large Supercriticality Conditions. <i>Technical Physics Letters</i> , 2019, 45, 511-514.	0.7	6
95	Widening of the Frequency Tuning Bandwidth in a Subterahertz Gyrotron with an External Bragg Reflector. <i>Radiophysics and Quantum Electronics</i> , 2020, 63, 363-370.	0.5	6
96	Possibility of using a large orbit regime for operation at bounce-frequency harmonics in a free-electron maser with a guiding magnetic field. <i>Technical Physics Letters</i> , 1999, 25, 12-14.	0.7	5
97	Self-modulated generation observed in a delayed feedback relativistic microwave gyrotron. <i>Technical Physics Letters</i> , 2002, 28, 395-398.	0.7	5
98	Relativistic surface-wave oscillators with 1D and 2D periodic structures. <i>Technical Physics</i> , 2012, 57, 1692-1705.	0.7	5
99	Relativistic surface-wave generators based on two-dimensional periodic structures. <i>Technical Physics Letters</i> , 2012, 38, 188-192.	0.7	5
100	Quasi-optical theory of radiation amplification by electron flow above resistive metal surface. <i>Technical Physics Letters</i> , 2013, 39, 123-126.	0.7	5
101	Generation of a Periodic Sequence of High-Power Ultrashort Pulses in a Chain of Coupled Backward-Wave and Traveling-Wave Tubes Operating in the Regimes of Amplification and Nonlinear Kompfner Suppression. <i>Technical Physics</i> , 2018, 63, 1205-1211.	0.7	5
102	High-Power Tunable Source of Chaotic Radiation Based on a Ka-Band Helical Gyro-BWO. <i>IEEE Electron Device Letters</i> , 2021, 42, 1394-1397.	3.9	5
103	Quasi-Optical Theory of Relativistic Cherenkov Oscillators and Amplifiers with Oversized Electrodynamic Structures. <i>Electronics (Switzerland)</i> , 2022, 11, 1197.	3.1	5
104	Planar two-dimensional Bragg resonators with corrugated surfaces: Theory and experiment. <i>Technical Physics Letters</i> , 2000, 26, 348-351.	0.7	4
105	A two-dimensional distributed feedback used for synchronization of a multibeam planar free-electron maser system. <i>Technical Physics Letters</i> , 2001, 27, 240-244.	0.7	4
106	Using two-dimensional Bragg structures for the synchronization of radiation in planar backward wave oscillators. <i>Technical Physics Letters</i> , 2009, 35, 190-192.	0.7	4
107	Submillimeter planar gyrotrons with transverse diffraction output of radiation. <i>Technical Physics Letters</i> , 2011, 37, 79-82.	0.7	4
108	Stimulated Cherenkov radiation of a relativistic electron beam moving over a periodically corrugated surface (quasi-optical theory). <i>Journal of Experimental and Theoretical Physics</i> , 2013, 117, 975-987.	0.9	4

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109	Generation of a spatially coherent field structure in free-electron masers with 2D distributed feedback. <i>Technical Physics</i> , 2014, 59, 250-257.	0.7	4
110	Quasi-optical theory of amplification of surface waves propagating above corrugated structures by a relativistic electron beam (impedance approximation). <i>Technical Physics</i> , 2016, 61, 1609-1618.	0.7	4
111	Optimization of terahertz range gyrotron self-excitation conditions by increasing the lifetime of cyclotron oscillators in low-voltage interaction space. <i>Technical Physics Letters</i> , 2017, 43, 110-113.	0.7	4
112	Development of the Concept of High-Power Microwave Oscillators with Phase Locking by an External Signal. <i>Radiophysics and Quantum Electronics</i> , 2019, 62, 447-454.	0.5	4
113	Terahertz-Range High-Order Cyclotron Harmonic Planar Gyrotrons with Transverse Energy Extraction. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020, 41, 152-163.	2.2	4
114	Production of Multi-Gigawatt Sub-Nanosecond Microwave Pulses by the Method of Chirped-Pulse-Amplification. <i>IEEE Electron Device Letters</i> , 2021, 42, 426-429.	3.9	4
115	Formation of microwave frequency-chirped solitons of self-induced transparency under conditions of cyclotron resonance absorption. <i>Physical Review E</i> , 2021, 104, 034218.	2.1	4
116	Diffraction-Mode Selection in Heterolasers with Planar Bragg Structures. <i>Semiconductors</i> , 2020, 54, 1161-1165.	0.5	4
117	Phase-Locking of Second-Harmonic Gyrotrons for Providing MW-Level Output Power. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 754-758.	3.0	4
118	Progress in Development of Powerful Bragg FEL Operating from Sub-THz to THz Band. , 2021, , .		4
119	Possible use of two-dimensional Bragg structures in an FEL amplifier powered by a sheet electron beam. <i>Technical Physics Letters</i> , 1999, 25, 796-799.	0.7	3
120	Pulsed EHF superradiance due to the stimulated scattering of a high-power pump wave by a counterpropagating electron bunch. <i>Technical Physics Letters</i> , 2000, 26, 694-697.	0.7	3
121	The simulation of a free-electron laser amplifier with a ribbon relativistic electron beam. <i>Technical Physics</i> , 2001, 46, 1545-1548.	0.7	3
122	Effect of diffraction on the electrodynamic characteristics of two-dimensional coaxial Bragg resonators. <i>Technical Physics</i> , 2003, 48, 1554-1564.	0.7	3
123	Production of ultra-short high-power microwave pulses in ÅEerenkov backward-wave systems (Review). <i>Laser Physics</i> , 2006, 16, 79-88.	1.2	3
124	Theory of a planar free-electron maser with transverse electromagnetic flux circulation in a 2D Bragg mirror. <i>Technical Physics</i> , 2006, 51, 1618-1623.	0.7	3
125	Using two-dimensional distributed feedback for the synchronization of emission from laser active media. <i>Technical Physics Letters</i> , 2008, 34, 113-117.	0.7	3
126	Mode competition in free-electron masers with oversized planar Bragg resonators. <i>Journal of Communications Technology and Electronics</i> , 2011, 56, 433-441.	0.5	3

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127	Powerful Cherenkov oscillators with 2D distributed feedback. Technical Physics, 2011, 56, 1791-1801.	0.7	3
128	Terahertz superradiance of an extended electron bunch propagating over a corrugated surface. Technical Physics Letters, 2012, 38, 951-954.	0.7	3
129	Quasioptical Theory of Relativistic Čerenkov Generators and Amplifiers. Radiophysics and Quantum Electronics, 2014, 56, 508-531.	0.5	3
130	Passive mode locking and formation of dissipative solitons in electron oscillators with a bleaching absorber in the feedback loop. Journal of Experimental and Theoretical Physics, 2017, 124, 41-48.	0.9	3
131	Generation of high-power Cherenkov superradiance pulses using 2D periodic slow-wave structures based on oversized cylindrical waveguides. Technical Physics Letters, 2017, 43, 756-759.	0.7	3
132	Generation of a Periodic Sequence of Ultrashort Electromagnetic Pulses in a Scheme with Two Parallel Radiating and Absorbing Electron Beams. Technical Physics Letters, 2021, 47, 184-188.	0.7	3
133	Frequency Multiplication in Planar Gyrotrons as a Method for Production of High-Power Multi-THz Radiation. IEEE Transactions on Electron Devices, 2021, 68, 1267-1270.	3.0	3
134	Project of powerful long-pulse Bragg FEL of sub-THz to THz band: design, simulations and components testing. , 2020, , .		3
135	Oversized Modified Bragg Cavities for High-Power Long-Pulse Subterahertz Free-Electron Lasers. Radiophysics and Quantum Electronics, 2020, 63, 440-448.	0.5	3
136	Relativistic Sub-THz Surface-Wave Sheet-Beam Amplifier With Transverse Energy Input and Output. IEEE Transactions on Electron Devices, 2022, 69, 759-762.	3.0	3
137	Investigations of Powerful Gyrotrons. , 1982, , .		2
138	Amplification of monochromatic short-wavelength radiation during the stochastic deceleration of a relativistic electron stream in an incoherent pump field. Technical Physics, 1997, 42, 788-792.	0.7	2
139	Generation of superradiance pulses by high-current subnanosecond electron bunches moving in a periodic slow-wave structure. Technical Physics Letters, 1998, 24, 709-711.	0.7	2
140	Observation of self-modulation regimes of generation in high-power backward-wave tubes. Technical Physics Letters, 1998, 24, 816-818.	0.7	2
141	Theory of cyclotron superradiance from a moving electron bunch under group synchronism conditions. Technical Physics, 2000, 45, 813-820.	0.7	2
142	Longitudinal self-focusing of an electron bunch under coherent emission conditions. Technical Physics Letters, 2000, 26, 650-653.	0.7	2
143	Highly efficient relativistic SHF gyrotron with a microsecond pulse width. Technical Physics Letters, 2001, 27, 266-270.	0.7	2
144	Spatially coherent radiation from a coaxial free-electron laser with a resonator composed of one-dimensional and two-dimensional Bragg mirrors. Technical Physics, 2001, 46, 1009-1013.	0.7	2

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145	Increasing of Peak Power of Superradiation Pulses by Variation of Accelerating Voltage. AIP Conference Proceedings, 2002, , .	0.4	2
146	Feasibility of using a free-electron maser with a Bragg resonator for testing high-Q resonant structures. Technical Physics, 2006, 51, 887-893.	0.7	2
147	Experimental observation of high-Q modes at the center of a resonance band of two-dimensional Bragg structures. Technical Physics Letters, 2007, 33, 117-121.	0.7	2
148	Generation of giant pulses of scattered radiation on the moving front of a pump wave. JETP Letters, 2008, 87, 124-127.	1.4	2
149	Nonlinear theory of coaxial free-electron masers with 2D distributed feedback (quasi-optical) Tj ETQq1 1 0.784314 0.7 /Overlock 10 TF	0.7	2
150	Collective spontaneous emission in a distributed feedback laser with an inhomogeneously broadened active medium. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 904-907.	0.6	2
151	Using the lorentz transformation to simulate terahertz-range superradiance of picosecond electron bunches moving in an undulator field. Technical Physics Letters, 2012, 38, 531-534.	0.7	2
152	The quasi-optical theory of surface wave formation over structures with one- and two-dimensional periodic corrugations of a small depth. Journal of Communications Technology and Electronics, 2013, 58, 487-497.	0.5	2
153	Chaotic millimeter-wave generation on the basis of wideband gyro-amplifiers with a helical corrugated waveguide. Technical Physics Letters, 2017, 43, 162-165.	0.7	2
154	2D Bragg Resonators Based on Planar Dielectric Waveguides (from Theory to Model-Based Testing). Semiconductors, 2019, 53, 1282-1286.	0.5	2
155	Conditions of rogue-wave generation in gyrotrons. Physics of Plasmas, 2021, 28, .	1.9	2
156	Cyclotron superradiance of a high-current electron bunch under group synchronism conditions. Russian Physics Journal, 1996, 39, 1233-1240.	0.4	1
157	On the theory of the acceleration of plasma electrons during stimulated scattering of an intense laser wave. Technical Physics, 1999, 44, 1-5.	0.7	1
158	Nonlinear theory of channeling of radiation by a ribbon-shaped stream of cyclotron oscillators. Technical Physics, 1999, 44, 6-11.	0.7	1
159	Theory of group synchronism in free-electron waveguide lasers fed a sequence of short electron pulses. Technical Physics, 1999, 44, 203-208.	0.7	1
160	Chaotic generation in a megawatt backward-wave tube. Technical Physics, 2001, 46, 1420-1427.	0.7	1
161	Generation of subnanosecond microwave pulses based on the Cherenkov superradiance effect. Technical Physics, 2002, 47, 335-342.	0.7	1
162	Open planar Bragg waveguides for mode selection in quantum and classical amplifiers. Laser Physics, 2007, 17, 665-671.	1.2	1

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163	Frequency stabilization in free-electron masers with 2D and 1D distributed feedback. Technical Physics, 2009, 54, 1384-1388.	0.7	1
164	Cherenkov oscillators with two-dimensional distributed feedback. , 2010, , .		1
165	Formation of the transverse field structure in terahertz planar free-electron lasers. Technical Physics, 2011, 56, 400-405.	0.7	1
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