Eugene N Odarenko

List of Publications by Year
in descending order

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47	120	2258059 3	2053705 5
papers	citations	h-index	g-index

47	47	47	16
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dispersion properties of a one-dimensional anisotropic magnetophotonic crystal with a gyrotropic layer. , 2016, , .		13
2	MECHANICALLY TUNABLE WIRE MEDIUM METAMATERIAL IN THE MILLIMETER WAVE BAND. Progress in Electromagnetics Research Letters, 2016, 64, 93-98.	0.7	10
3	Bragg reflection and transmission of light by one-dimensional gyrotropic magnetophotonic crystal. , 2017, , .		10
4	Analysis of Slow Wave Modes in Modified Photonic Crystal Waveguides Using the MPB Package. , 2018, , .		10
5	Photonic crystal and Bragg waveguides for THz electron devices. , 2016, , .		9
6	Novel THz sources with profiled focusing field and photonic crystal electrodynamic systems. , 2016, , .		9
7	Localized field enhancement in slow-wave modes of modified Bragg waveguide. , 2017, , .		9
8	Surface and bulk modes of magnetophotonic crystals. , 2018, , .		9
9	Dispersion Properties of TM and TE Modes of Gyrotropic Magnetophotonic Crystals. , 0, , .		8
10	THE MODIFIED BRAGG WAVEGUIDE WITH ADDITIONAL LAYERS. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2018, 77, 489-500.	0.4	7
11	Floquet-Bloch waves in magnetophotonic crystals with transverse magnetic field. Journal of Electromagnetic Waves and Applications, 2020, 34, 1667-1679.	1.6	6
12	Plane circular gradient grating that combines the functions of a spherical mirror and a focusing lens. , 2017, , .		4
13	Surface and Bulk Wave Modes of Two Dimensional Photonic Crystal Waveguide. , 2019, , .		3
14	The effect of additional layers parameters on the modifided Bragg waveguide characteristics. , 2017, , .		2
15	Simplified Modeling of Gradient Fragmented Metal Gratings of the Terahertz Range. , 2018, , .		2
16	Wave Beam Scattering by Thin Lossy Dielectric Cylinder. , 2007, , .		1
17	Extraordinary reflection from photonic crystal with metamaterials. , 2016, , .		1
18	Diffraction Radiation of Electron Beam in the Presence of Dielectric Optical Nanowire Resonator. , 2018, , .		1

#	Article	IF	Citations
19	DEFECT MODE TUNING IN TWO-DIMENSIONAL BAND-GAP WIRE STRUCTURE IN THE MILLIMETER WAVEBAND. Progress in Electromagnetics Research M, 2019, 82, 167-173.	0.9	1
20	On the Quantum Electrodynamics of Nanophotonic Systems. , 2020, , .		1
21	PHOTONIC CRYSTAL WAVEGUIDE STRUCTURES FOR TERAHERTZ BAND ELECTRONIC DEVICES. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2015, 74, 221-230.	0.4	1
22	Sensor-Polarimeter Based on Anisotropic Photonic Crystal for Solids and Liquids. , 2020, , .		1
23	Comparison of Binary and Ternary Layered Structures as Claddings of Bragg Waveguide. , 2022, , .		1
24	Surface Modes in Modified Two-Dimensional Photonic Crystal Waveguide. , 2022, , .		1
25	Theory of resonant relativistic oscillator with nonuniform focusing field. Journal of Infrared, Millimeter and Terahertz Waves, 1996, 17, 1165-1180.	0.6	0
26	Planar traveling-wave amplifier of mm-wave band with different velocities of electron streams. , 1999, , .		0
27	Theory of the MM wave hybrid electron devices. , 2000, , .		0
28	Forced oscillations in nonlinear electron-wave systems of O-type. Simulation and analysis. , 0, , .		0
29	Millimeter waves hybrid devices - theory and simulation. , 0, , .		0
30	Influence of local magnetic irregularity on output properties of synchronized MM-wave generator. , 0, , .		0
31	Orotron with magnetic nonuniformity - advanced millimeter waves source. , 0, , .		0
32	Frequency multiplication in the hybrid O-type beam-wave system. , 2003, , .		0
33	Nonresonant O-Type Amplifier with Inclined Focusing Field. , 2007, , .		0
34	Physical nature of the Smith-Purcell effect and its simulation. , 2008, , .		0
35	Effect of the focusing field induction on the klinotron amplifier characteristics. , 2008, , .		0
36	Novel double-mode O-type source of coherent subterahertz radiation. , 2010, , .		0

#	Article	IF	Citations
37	Scattering of the polarized Gaussian beam on the metamaterial slab. , 2010, , .		0
38	Slow-wave regimes of the photonic crystal waveguides. , 2011, , .		0
39	Double-mode O-type oscillator-amplifier with inclined focusing field. , 2014, , .		0
40	Visualization of the monochromatic plane wave scattering by multilayer lens. , 2016, , .		0
41	Surface Plasmon Polariton Resonances of Diffraction Metamaterial Grating. , 2018, , .		0
42	Nonlinear Two-Dimensional Theory of Relativistic Resonant O-Type Oscillators. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 1998, 52, 88-90.	0.4	0
43	The Effect of Beam Current Intensity on the Performance of a Rellativistic O-Type Microwave Generator with Magnetic Focusing. Telecommunications and Radio Engineering (English Translation) Tj ETQq1 1 0.784314 rgBT /Over		
44	Theory of the O-Type Resonant Oscillator Subject to Powerful External High-Frequency and Parametric Low-Frequency Forcing. Telecommunications and Radio Engineering (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		0
45	Effect of Electron Beam Thickness Upon the Performance of a Resonant Type-O Carcinotron with a Tapered Magnetostatic Field. Telecommunications and Radio Engineering (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock 1		
46	TERAHERTZ BAND DOUBLE-FREQUENCY DIFFRACTION RADIATION OSCILLATOR WITH INCLINED FOCUSING FIELD. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 T		
47	DISPERSION CHARACTERISTICS OF STRATIFIED STRUCTURES IN THE PROBLEM OF WAVE DIFFRACTION BY GRATINGS OF A METAMATERIAL. Telecommunications and Radio Engineering (English Translation of) Tj ETQq1 1 0.784314 rgBT /Over		