

Tatiana M Zaboronkova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Whistlers in Thermally Generated Ducts with Enhanced Plasma Density: Excitation and Propagation. <i>Physica Scripta</i> , 2000, 62, 51-65.	2.5	67
2	Radiation of whistler waves in magnetoactive plasma. <i>Radio Science</i> , 1992, 27, 315-324.	1.6	32
3	Title is missing!. <i>Radiophysics and Quantum Electronics</i> , 2003, 46, 407-424.	0.5	27
4	Nonsymmetric Whistler Waves Guided by Cylindrical Ducts with Enhanced Plasma Density. <i>Radiophysics and Quantum Electronics</i> , 2002, 45, 764-783.	0.5	25
5	ELECTROMAGNETIC RADIATION FROM SOURCES EMBEDDED IN A CYLINDRICALLY STRATIFIED UNBOUNDED CYROTROPIC MEDIUM. <i>Progress in Electromagnetics Research B</i> , 2009, 12, 297-331.	1.0	18
6	Toward the theory of a loop antenna in an anisotropic plasma. <i>Radiophysics and Quantum Electronics</i> , 1998, 41, 236-246.	0.5	16
7	CURRENT DISTRIBUTION AND INPUT IMPEDANCE OF A STRIP LOOP ANTENNA LOCATED ON THE SURFACE OF A CIRCULAR COLUMN FILLED WITH A RESONANT MAGNETOPLASMA. <i>Progress in Electromagnetics Research B</i> , 2013, 55, 241-256.	1.0	16
8	Whistler wave radiation from a loop antenna located in a cylindrical density depletion. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	14
9	Whistler waves guided by density depletion ducts in a magnetoplasma. <i>Plasma Physics Reports</i> , 2010, 36, 919-930.	0.9	14
10	Whistler waves guided by ducts with enhanced density in a collisional magnetoplasma. <i>Radiophysics and Quantum Electronics</i> , 2008, 51, 28-44.	0.5	10
11	THEORY OF A STRIP LOOP ANTENNA LOCATED ON THE SURFACE OF AN AXIALLY MAGNETIZED PLASMA COLUMN. <i>Progress in Electromagnetics Research B</i> , 2013, 51, 221-246.	1.0	10
12	Decay interaction of electromagnetic waves in semiinfinite plasma. <i>Radiophysics and Quantum Electronics</i> , 1976, 19, 1034-1038.	0.5	9
13	Electrodynamic characteristics of a strip antenna in a magnetoplasma. <i>Journal of Communications Technology and Electronics</i> , 2012, 57, 296-300.	0.5	9
14	Whistler wave radiation from a pulsed loop antenna located in a cylindrical duct with enhanced plasma density. <i>Physics of Plasmas</i> , 2014, 21, 112115.	1.9	8
15	Structure of the electromagnetic fields of loop radiators in magnetized plasmas over the whistler frequency range. <i>Radiophysics and Quantum Electronics</i> , 1996, 39, 132-139.	0.5	7
16	Excitation of electromagnetic waves by a pulsed loop antenna in a magnetoplasma. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	7
17	Carbon-Based Composite Microwave Antennas. <i>Electronics (Switzerland)</i> , 2020, 9, 590.	3.1	7
18	Antenna-waveguide microwave devices of carbon composition materials. <i>Technical Physics Letters</i> , 2016, 42, 598-600.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Electrodynamic Characteristics of a Strip Antenna Located on a Plane Interface of a Resonant Magnetoplasma and an Isotropic Medium. Radiophysics and Quantum Electronics, 2015, 57, 795-806.	0.5	5
20	Electrodynamic Characteristics of Horn Microwave Antennas Made of Graphene-Containing Carbon-Composite Materials. Technical Physics, 2018, 63, 268-273.	0.7	5
21	Theory of a Strip Antenna Located at a Plane Interface of a Uniaxial Metamaterial and an Isotropic Magnetodielectric. IEEE Transactions on Antennas and Propagation, 2020, 68, 195-206.	5.1	5
22	Radiation of twisted whistler waves from a crossed-loop antenna in a magnetoplasma. Physics of Plasmas, 2020, 27, .	1.9	4
23	Theory of a Circular Loop Antenna Located on the Surface of a Dielectric Column in a Magnetoplasma. Radiophysics and Quantum Electronics, 2017, 59, 1000-1016.	0.5	3
24	Nonlinear interaction of whistler waves in a magnetized plasma with density ducts. Physics of Plasmas, 2019, 26, .	1.9	3
25	Electrodynamic Characteristics of Dipole Antennas Made of Graphene-Containing Carbon Fiber Composite Materials. Journal of Communications Technology and Electronics, 2018, 63, 864-867.	0.5	2
26	The Influence of Carbon Nanocomposite Anisotropic Conductivity on the Parameters of a C-Band Horn Antenna. Technical Physics, 2021, 66, 571-579.	0.7	2
27	Current Distribution and Input Impedance of a Strip Antenna Located at a Plane Interface of an Isotropic Medium and a Gyrotropic Metamaterial. , 2018, , .		1
28	Current distribution and input impedance of a circular loop antenna located on the surface of a gyromagnetic cylinder. , 2018, , .		1
29	Analysis of a Circular Loop Antenna Located on a Hyperbolic Metamaterial Cylinder. , 2022, , .		1
30	Analysis of strip antennas located on the interface between a uniaxial plasma and an isotropic medium. , 2017, , .		0
31	Theory of a strip antenna located at the plane interface between isotropic and uniaxial anisotropic media. , 2017, , .		0