

# Yuriy O Averkov

## List of Publications by Year in descending order

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papers

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citations

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docs citations

57  
times ranked

135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiconductor nanotube eigenmodes and the Aharonov-Bohm effect. <i>Low Temperature Physics</i> , 2022, 48, 32-36.	0.6	5
2	Waves of a Magnetoplasma Solid-State Cylinder Under Quasi-Stationary Conditions. <i>IEEE Transactions on Plasma Science</i> , 2021, 49, 3078-3085.	1.3	7
3	Numerical Analysis of the Interaction between a Tubular Beam of Charged Particles and a Dielectric Cylinder. <i>Journal of Experimental and Theoretical Physics</i> , 2020, 130, 737-747.	0.9	2
4	Helicons in Solid-State Plasma of Cylindrical Configuration. , 2020, , .		5
5	Энергия потерь заряженной частицы при взаимодействии с диэлектрическим цилиндром. <i>Радиофизика I Elektronika</i> , 2020, 25, 60-69.		0
6	Energy loss of a charged particle during its interaction with a dielectric cylinder. <i>Radiofizika I Elektronika</i> , 2020, 25, 60-69.	0.2	0
7	Nonlinear Stabilization of Resistive Instability of a Tubular Charged Particle Beam Moving above a Solid-State Plasma Cylinder. <i>Plasma Physics Reports</i> , 2019, 45, 565-572.	0.9	4
8	Eigenwave Spectra of an Anisotropic Cylindrical Solid-State Waveguide. <i>Technical Physics</i> , 2019, 64, 1-7.	0.7	12
9	NONLINEAR THEORY OF INTERACTION BETWEEN A TUBULAR BEAM OF CHARGED PARTICLES AND POTENTIAL SURFACE WAVES OF PLASMA CYLINDER. <i>Telecommunications and Radio Engineering (English Translation) Tj ETQq</i> . 0.784314 rgBT		
10	Nonlinear interaction theory between a tubular beam of charged particles and potential surface waves of plasma cylinder. <i>Radiofizika I Elektronika</i> , 2018, 23, 3-14.	0.2	1
11	Interaction between a tubular beam of charged particles and a dispersive metamaterial of cylindrical configuration. <i>Physical Review E</i> , 2017, 96, 013205.	2.1	12
12	Interaction a tube beam of charged particles with a dispersive medium of cylindrical configuration. , 2017, , .		0
13	Instability of a tubular electron beam moving over a dielectric cylinder. <i>Technical Physics</i> , 2017, 62, 1578-1584.	0.7	2
14	INTERACTION OF A FLOW OF CHARGED PARTICLES WITH EIGENMODES OF A DIELECTRIC CYLINDER. <i>Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika)</i> , 2017, 76, 1595-1611.	0.4	5
15	Surface helicons in a structure with graphene monolayer lying on a 3D plasma. , 2016, , .		1
16	THE INSTABILITY OF HOLLOW ELECTRON BEAM INTERACTING WITH PLASMA-LIKE MEDIUM. <i>Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika)</i> , 2016, 75, 1467-1482.	0.4	6
17	Charged-particle energy loss by the excitation of surface magnetoplasmons in a structure with two- and three-dimensional plasmas. <i>Journal of Experimental and Theoretical Physics</i> , 2015, 121, 699-705.	0.9	4
18	Magnetic-field-driven surface electromagnetic states in the graphene-antiferromagnetic photonic crystal system. <i>Journal of Experimental and Theoretical Physics</i> , 2015, 120, 702-709.	0.9	0

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19	Surface electromagnetic states in the photonic crystal "ferrite" plasma-like medium structure. Low Temperature Physics, 2014, 40, 667-673.	0.6	6
20	Terahertz transverse-electric- and transverse-magnetic-polarized waves localized on graphene in photonic crystals. Physical Review B, 2014, 90, .	3.2	18
21	Terahertz transition radiation of bulk and surface electromagnetic waves by an electron entering a layered superconductor. Physical Review B, 2014, 89, .	3.2	0
22	SURFACE ELECTROMAGNETIC STATES AT AN INTERFACE BETWEEN A PHOTONIC CRYSTAL AND A PLASMA-LIKE MEDIUM IN AN EXTERNAL CONSTANT MAGNETIC FIELD. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2014, 73, 43-59.	0.4	2
23	Oblique surface Josephson plasma waves in layered superconductors. Physical Review B, 2013, 87, .	3.2	10
24	Excitation of oblique surface electromagnetic waves in semibounded layered superconductors by means of the attenuated-total-reflection method. , 2013, , .		0
25	SURFACE ELECTROMAGNETIC WAVES IN THE PLASMA-LIKE MEDIUM BORDERING A PERIODIC LAYERED STRUCTURE. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq1 1 0.784314 rgBto/Overlook		
26	OBLIQUE SURFACE JOSEPHSON PLASMA WAVES IN LAYERED SUPERCONDUCTORS. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2013, 72, 1297-1319.	0.4	0
27	Conversion of Terahertz Wave Polarization at the Boundary of a Layered Superconductor due to the Resonance Excitation of Oblique Surface Waves. Physical Review Letters, 2012, 109, 027005.	7.8	19
28	Effect of the $\hat{\Gamma}$ -shaped quantum well at the one-dimensional lattice boundary on properties of Tamm-type surface electronic states. Physics of the Solid State, 2012, 54, 630-635.	0.6	3
29	DEPENDENCE OF FREQUENCIES OF SURFACE ELECTROMAGNETIC STATES IN PHOTONIC CRYSTALS ON PARAMETERS OF THE DUOBLE-LAYERED DIELECTRIC UNIT CELL. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2012, 71, 235-250.	0.4	2
30	Excitation of oblique surface electromagnetic waves at an anisotropically conducting artificial interface by means of the attenuated-total-reflection method. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 155.	2.1	4
31	Excitation of surface electromagnetic waves at an anisotropically conducting vacuum-metamaterial interface by the attenuated total internal reflection method. Technical Physics, 2011, 56, 500-506.	0.7	2
32	TRANSITION RADIATION OF MODULATED ELECTRON BEAM TRAVERSING THE WIRE SHIELD. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2011, 70, 353-366.	0.4	0
33	Surface electromagnetic waves at anisotropically conducting interface between two dielectrics. , 2010, , .		0
34	Theoretical and experimental investigation of transition radiation excited by electron bunches in microwaves. , 2010, , .		0
35	Surface electromagnetic waves at an anisotropically conducting artificial interface. Physical Review B, 2010, 81, .	3.2	9
36	Excitation of excitons in semi-infinite solids with a nonrelativistic electron beam. Physics of the Solid State, 2009, 51, 61-68.	0.6	0

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37	Excitation of surface electrostatic waves in semibounded layered superconductors by a nonrelativistic electron beam. <i>Technical Physics</i> , 2009, 54, 690-697.	0.7	0
38	Interaction of surface electromagnetic waves with an electron beam moving along the interface between metamaterials. <i>Technical Physics</i> , 2009, 54, 1245-1254.	0.7	0
39	Electron beam excitation of left-handed surface electromagnetic waves at artificial interfaces. <i>Physical Review B</i> , 2009, 79, .	3.2	13
40	The Rayleigh Waves in Semibounded Magnetoactive Solid-State Plasma. <i>Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika)</i> , 2008, 67, 41-51.	0.4	0
41	Excitation of surface and volume electromagnetic waves in left-handed media by an electron bunch. <i>Radiophysics and Quantum Electronics</i> , 2007, 50, 370-380.	0.5	0
42	Transition Radiation of Non-Harmonic Pulses by the Electron Bunch Intersecting a Vacuum-Plasma Interface. <i>Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 53</i>		
43	Anharmonic pulses due to transition radiation. <i>Technical Physics</i> , 2006, 51, 630-636.	0.7	1
44	Transition radiation of surface electromagnetic waves by electron bunches in a cylindrical waveguide. <i>Technical Physics</i> , 2005, 50, 1058-1061.	0.7	0
45	Cherenkov radiation by an electron bunch that moves in a vacuum above a left-handed material. <i>Physical Review B</i> , 2005, 72, .	3.2	43
46	Transition Radiation by an Electron Bunch That Crosses the Vacuum/Left-Handed Material Interface. <i>Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika)</i> , 2005, 63, 419-433.	0.4	6
47	Generation of transition radiation in the form of electromagnetic surface waves by electron bunches. <i>Plasma Physics Reports</i> , 2004, 30, 519-526.	0.9	3
48	Excitation of Surface Electromagnetic Wave Pulses by Electron Bunches Intersecting a Metal-Dielectric-Semiconductor Structure. <i>Telecommunications and Radio Engineering (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 29</i>		
49	Nonlinear oscillations of a semiconductor plasma with a nonrelativistic electron beam. <i>Plasma Physics Reports</i> , 2002, 28, 403-410.	0.9	4
50	Role of the Ridley-Watkins-Hilsum mechanism in the stabilization of surface plasma waves. <i>Plasma Physics Reports</i> , 2001, 27, 608-613.	0.9	0
51	Motion of a particle with an arbitrary dispersion relation in a high-frequency oscillating field. <i>Physical Review B</i> , 1993, 48, 17995-18001.	3.2	4
52	Quasilinear theory of interaction between surface plasmons and an electron beam moving parallel to a plasma surface in vacuum. , 0, , .		0
53	The role of the Ridley-Watkins-Hilsum effect in stabilization of millimeter and sub-millimeter surface electromagnetic waves excited by an electron beam moving parallel to the surface of GaAs. , 0, , .		0
54	Peculiarities of nonlinear stabilization of plasma-beam instability in semiconductor GaAs. , 0, , .		0

#	ARTICLE	IF	CITATIONS
55	Quantizing of transition radiation of the surface polaritons by the charge, intersecting two-layer two-dimensional electron system, placed into strong magnetic field. , 0, , .		1