

# Yuriy O Averkov

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

223  
citations

1163117

8  
h-index

1125743

13  
g-index

57  
all docs

57  
docs citations

57  
times ranked

135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cherenkov radiation by an electron bunch that moves in a vacuum above a left-handed material. Physical Review B, 2005, 72, .	3.2	43
2	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
3	Terahertz transverse-electric- and transverse-magnetic-polarized waves localized on graphene in photonic crystals. Physical Review B, 2014, 90, .	3.2	18
4	Electron beam excitation of left-handed surface electromagnetic waves at artificial interfaces. Physical Review B, 2009, 79, .	3.2	13
5	Interaction between a tubular beam of charged particles and a dispersive metamaterial of cylindrical configuration. Physical Review E, 2017, 96, 013205.	2.1	12
6	Eigenwave Spectra of an Anisotropic Cylindrical Solid-State Waveguide. Technical Physics, 2019, 64, 1-7.	0.7	12
7	Oblique surface Josephson plasma waves in layered superconductors. Physical Review B, 2013, 87, .	3.2	10
8	Surface electromagnetic waves at an anisotropically conducting artificial interface. Physical Review B, 2010, 81, .	3.2	9
9	Waves of a Magnetoplasma Solid-State Cylinder Under Quasi-Stationary Conditions. IEEE Transactions on Plasma Science, 2021, 49, 3078-3085.	1.3	7
10	Surface electromagnetic states in the photonic crystal "ferrite" plasma-like medium structure. Low Temperature Physics, 2014, 40, 667-673.	0.6	6
11	Transition Radiation by an Electron Bunch That Crosses the Vacuum/Left-Handed Material Interface. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2005, 63, 419-433.	0.4	6
12	THE INSTABILITY OF HOLLOW ELECTRON BEAM INTERACTING WITH PLASMA-LIKE MEDIUM. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2016, 75, 1467-1482.	0.4	6
13	Helicons in Solid-State Plasma of Cylindrical Configuration. , 2020, , .		5
14	INTERACTION OF A FLOW OF CHARGED PARTICLES WITH EIGENMODES OF A DIELECTRIC CYLINDER. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2017, 76, 1595-1611.	0.4	5
15	Semiconductor nanotube eigenmodes and the Aharonov-Bohm effect. Low Temperature Physics, 2022, 48, 32-36.	0.6	5
16	Motion of a particle with an arbitrary dispersion relation in a high-frequency oscillating field. Physical Review B, 1993, 48, 17995-18001.	3.2	4
17	Nonlinear oscillations of a semiconductor plasma with a nonrelativistic electron beam. Plasma Physics Reports, 2002, 28, 403-410.	0.9	4
18	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



#	ARTICLE	IF	CITATIONS
37	Role of the Ridley-Watkins-Hilsum mechanism in the stabilization of surface plasma waves. Plasma Physics Reports, 2001, 27, 608-613.	0.9	0
38	Peculiarities of nonlinear stabilization of plasma-beam instability in semiconductor GaAs. , 0, , .		0
39	Transition radiation of surface electromagnetic waves by electron bunches in a cylindrical waveguide. Technical Physics, 2005, 50, 1058-1061.	0.7	0
40	Excitation of surface and volume electromagnetic waves in left-handed media by an electron bunch. Radiophysics and Quantum Electronics, 2007, 50, 370-380.	0.5	0
41	Excitation of excitons in semi-infinite solids with a nonrelativistic electron beam. Physics of the Solid State, 2009, 51, 61-68.	0.6	0
42	Excitation of surface electrostatic waves in semibounded layered superconductors by a nonrelativistic electron beam. Technical Physics, 2009, 54, 690-697.	0.7	0
43	Interaction of surface electromagnetic waves with an electron beam moving along the interface between metamaterials. Technical Physics, 2009, 54, 1245-1254.	0.7	0
44	Surface electromagnetic waves at anisotropically conducting interface between two dielectrics. , 2010, , .		0
45	Theoretical and experimental investigation of transition radiation excited by electron bunches in microwaves. , 2010, , .		0
46	Excitation of oblique surface electromagnetic waves in semibounded layered superconductors by means of the attenuated-total-reflection method. , 2013, , .		0
47	Terahertz transition radiation of bulk and surface electromagnetic waves by an electron entering a layered superconductor. Physical Review B, 2014, 89, .	3.2	0
48	Magnetic-field-driven surface electromagnetic states in the graphene-antiferromagnetic photonic crystal system. Journal of Experimental and Theoretical Physics, 2015, 120, 702-709.	0.9	0
49	Interaction a tube beam of charged particles with a dispersive medium of cylindrical configuration. , 2017, , .		0
50	Transition Radiation of Non-Harmonic Pulses by the Electron Bunch Intersecting a Vacuum-Plasma Interface. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 21		0
51	The Rayleigh Waves in Semibounded Magnetoactive Solid-State Plasma. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2008, 67, 41-51.	0.4	0
52	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
53	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 rgBT/Overlock		0
54	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

#	ARTICLE	IF	CITATIONS
55	Energy loss of a charged particle during its interaction with a dielectric cylinder. Radiofizika i Elektronika, 2020, 25, 60-69.	0.2	0