

Volodymyr I Fesenko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1967272/publications.pdf>

Version: 2024-02-01

47
papers

269
citations

1040056

9
h-index

996975

15
g-index

47
all docs

47
docs citations

47
times ranked

144
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetically induced topological transitions of hyperbolic dispersion in biaxial gyrotropic media. Journal of Applied Physics, 2020, 128, .	2.5	8
2	Superscattering from Subwavelength Corrugated Cylinders. Physical Review Applied, 2020, 13, .	3.8	24
3	All-dielectric Vogel metasurface antennas with bidirectional radiation pattern. Journal of Optics (United Kingdom), 2020, 22, 035104.	2.2	4
4	Coupling coefficients for dielectric cuboids located in free space. Applied Optics, 2020, 59, 6918.	1.8	3
5	Dual-polarized all-angle cloaking of a dielectric nanowire by helical graphene ribbons. Physical Review B, 2019, 100, .	3.2	5
6	Lossless and loss-induced topological transitions of isofrequency surfaces in a biaxial gyroelectromagnetic medium. Physical Review B, 2019, 99, .	3.2	23
7	Approach to analysis of all-dielectric free-form antenna systems. Optics Express, 2019, 27, 22363.	3.4	5
8	Dispersion features of complex waves in a graphene-coated semiconductor nanowire. Nanophotonics, 2018, 7, 925-934.	6.0	18
9	Low-loss forward and backward surface plasmons in a semiconductor nanowire coated by helical graphene strips. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2066.	2.1	6
10	Multiple invisibility regions induced by symmetry breaking in a trimer of subwavelength graphene-coated nanowires. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2018, 35, 1760.	1.5	15
11	Crossing and anti-crossing effects of polaritons in a magnetic-semiconductor superlattice influenced by an external magnetic field. Superlattices and Microstructures, 2017, 103, 285-294.	3.1	16
12	Dispersion peculiarities of hybrid modes in a circular waveguide filled by a composite gyroelectromagnetic medium. Journal of Electromagnetic Waves and Applications, 2017, 31, 350-362.	1.6	5
13	Coexistence of bulk and surface polaritons in a magnetic-semiconductor superlattice influenced by a transverse magnetic field. Journal of Applied Physics, 2017, 121, 103102.	2.5	18
14	Adaptive control of hybrid modes in a longitudinally magnetized gyroelectromagnetic circular waveguide. , 2017, , .		0
15	Control of single-mode operation in a circular waveguide filled by a longitudinally magnetized gyroelectromagnetic medium. Journal of Electromagnetic Waves and Applications, 2017, 31, 1265-1276.	1.6	1
16	Extreme states and anomalous dispersion of surface waves in composite gyroelectromagnetic materials. , 2017, , .		0
17	Bi-hyperbolic isofrequency surface in a magnetic-semiconductor superlattice. Optics Letters, 2017, 42, 4561.	3.3	19
18	Extraordinary dispersion features of polaritons in a magnetic superlattice. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Dispersion relations for bulk and surface polaritons in a magnetic-semiconductor superlattice. , 2016, , .		0
20	Gyrotropic-nihility state in magnetic superlattices. , 2016, , .		0
21	Anomalous dispersion of polaritons in a magnetic-semiconductor superlattice. , 2016, , .		0
22	Dispersion regions overlapping for bulk and surface polaritons in a magnetic-semiconductor superlattice. Optics Letters, 2016, 41, 2093.	3.3	20
23	Dispersion blue-shift in an aperiodic Bragg reflection waveguide. Optics Communications, 2016, 365, 225-230.	2.1	8
24	Gaussian Beam Tunneling Through a Gyrotropic-Nihility Finely-Stratified Structure. Springer Series in Optical Sciences, 2016, , 99-113.	0.7	7
25	Dispersion properties of Kolakoski-cladding hollow-core nanophotonic Bragg waveguide. Nanophotonics, 2016, 5, 556-564.	6.0	6
26	OMNIDIRECTIONAL REFLECTION FROM GENERALIZED KOLAKOSKI MULTILAYERS. Progress in Electromagnetics Research M, 2015, 41, 33-41.	0.9	6
27	STUDY OF THE CHARGE TRANSPORT IN A LOW-TWO-DIMENSIONAL SEMICONDUCTOR STRUCTURE IN VIEW OF THE NON-MARKOV EFFECTS. Telecommunications and Radio Engineering (English Translation of) Tj ETQq1 1 0.784314 rgt /Over	0.784314	0
28	Formation of ultrashort triangular pulses in optical fibers. Optics Express, 2014, 22, 29119.	3.4	20
29	Triangular pulses in normally dispersive optical fibers. , 2014, , .		0
30	Dispersion properties of a one-dimensional aperiodic OmniGuide structure. Proceedings of SPIE, 2014, , .	0.8	2
31	Aperiodic birefringent photonic structures based on Kolakoski sequence. Waves in Random and Complex Media, 2014, 24, 174-190.	2.7	9
32	Terahertz Aperiodic Multilayered Structure Arranged According to the Kolakoski Sequence. NATO Science for Peace and Security Series B: Physics and Biophysics, 2014, , 25-32.	0.3	3
33	Gaussian beam tunneling through a gyrotropic-nihility finely stratified structure. , 2013, , .		0
34	Optical characterization of the aperiodic multilayered anisotropic structure based on Kolakoski sequence. Proceedings of SPIE, 2013, , .	0.8	4
35	Polarization Conversion in Inhomogeneous Anisotropic Multilayer Structures. , 2012, , .		2
36	Photonic quasi-periodic multilayered structure for the near-infrared region. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	Analysis of anisotropic optical waveguides using a three-dimensional finite difference method. , 2011, , .		0
38	PHOTONIC CRYSTALS AND MICRORESONATORS BASED ON THE ANISOTROPIC MESOPOROUS SILICON. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2011, 70, 367-376.	0.4	2
39	One-dimensional anisotropic photonic crystals based on anisotropic porous silicon. , 2008, , .		1
40	Anisotropic photonic crystals and microcavities based on dispersive anisotropic porous silicon. , 2008, , .		0
41	Modeling of 1-D photonic bandgap microstrip structures. , 2007, , .		3
42	Polarization Dependence of Optical Characteristics of the Microcavity Based on Macroporous Silicon Infiltrated with Liquid Crystals. , 2006, , .		1
43	Electric Field Lines in a Rectangular Waveguide with an Inhomogeneous Anisotropic Insert. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2005, 63, 1-13.	0.4	4
44	One-dimensional nonperiodic photonic bandgap microstrip structure. , 0, , .		0
45	Wavelength division multiplexer based on FBG with defect. , 0, , .		0
46	Modal Phenomena of Surface and Bulk Polaritons in Magnetic- Semiconductor Superlattices. , 0, , .		0
47	Terahertz Modes of Surface Plasmons in In _{2-x} Cr _x O ₃ Magnetic Semiconductor Nanowire. Plasmonics, 0, , 1.	3.4	1