

Sergii V Dukhopelnykov

List of Publications by Year in descending order

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26
papers

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1039406

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27
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46
citing authors

#	ARTICLE	IF	CITATIONS
1	Integral Equation Analysis of Terahertz Backscattering From Circular Dielectric Rod With Partial Graphene Cover. IEEE Journal of Quantum Electronics, 2020, 56, 1-8.	1.0	29
2	Circular Dielectric Rod With Conformal Strip of Graphene as Tunable Terahertz Antenna: Interplay of Inverse Electromagnetic Jet, Whispering Gallery and Plasmon Effects. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	1.9	27
3	Combined plasmon-resonance and photonic-jet effect in the THz wave scattering by dielectric rod decorated with graphene strip. Journal of Applied Physics, 2019, 126, 023104.	1.1	23
4	Electromagnetic characterization of tuneable grapheneâ€stripsâ€onâ€substrate metasurface over entire THz range: Analytical regularization and naturalâ€mode resonance interplay. IET Microwaves, Antennas and Propagation, 2021, 15, 1225-1239.	0.7	23
5	A Fast-Converging Scheme for the Electromagnetic Scattering from a Thin Dielectric Disk. Electronics (Switzerland), 2020, 9, 1451.	1.8	16
6	Optical diffraction radiation from a dielectric and a metal nanowire excited by a modulated electron beam. Optical and Quantum Electronics, 2019, 51, 1.	1.5	15
7	H-polarized plane-wave scattering by a PEC strip grating on top of a dielectric substrate: analytical regularization based on the Riemann-Hilbert Problem solution. Journal of Electromagnetic Waves and Applications, 2020, 34, 483-499.	1.0	14
8	Electron-beam excitation of supermodes of a photonic molecule built on twin high refractive index dielectric nanowires. Journal of Applied Physics, 2019, 125, .	1.1	13
9	Infrared diffraction radiation from twin circular dielectric rods covered with graphene: plasmon resonances and beam position sensing. Journal of the Optical Society of America B: Optical Physics, 2021, 38, C183.	0.9	12
10	Visible light from modulated electron beam moving between twin circular silver nanowires forming plasmonic photonic molecule. Journal of Optics (United Kingdom), 2020, 22, 025002.	1.0	9
11	Optical Sensing of Electron-Beam Position With Twin Silver Nanotube Antenna Tuned to Hybrid Surface Plasmon Resonance. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	1.9	8
12	Microsized Graphene Helmholtz Resonator on Circular Dielectric Rod: A Tunable Sub-THz Frequency-Selective Scatterer. IEEE Transactions on Antennas and Propagation, 2022, 70, 2105-2113.	3.1	6
13	Control of Backscattering of H-polarized Plane Wave by aCircular Dielectric Rod with Partial Graphene Cover. , 2018, , .		5
14	Spoiling of tunability of on-substrate graphene strip grating due to lattice-mode-induced transparency. RSC Advances, 2022, 12, 4589-4594.	1.7	5
15	Scattering of H-polarized Plane Wave by a Circular Dielectric Wire with Partial Graphene Cover. , 2018, , .		4
16	Radiation characteristics of a doubleâ€layer spherical dielectric lens antenna with a conformal PEC disk fed by onâ€axis dipoles. IET Microwaves, Antennas and Propagation, 2021, 15, 1249-1269.	0.7	3
17	E-polarized plane-wave scattering from a PEC strip grating on a dielectric substrate: analytical regularization and lattice-mode resonances. Journal of Electromagnetic Waves and Applications, 0, , 1-18.	1.0	2
18	Lasing Eigenvalue Problem for a Circular Quantum Wire Partially Covered with Graphene. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Diffraction Radiation of Electron Beam in the Presence of Dielectric Optical Nanowire Resonator. , 2018, , .		1
20	Near Fields of Twin Circular Silver Nanowires Excited by Electron Beam Moving between Them. , 2019, , .		1
21	Analysis of Combined Plasmon-Resonance and Photonic-Jet Effects in the THz Wave Scattering by Dielectric Rod with Graphene Strip. , 2019, , .		1
22	Electromagnetic Eigenvalue Problem for Twin Dielectric Rods Covered with Graphene: Symmetry Classes of the H-Polarized Supermodes. , 2021, , .		1
23	Dielectric Wire Wrapped in Graphene Layer with a Slot as a Plasmonic Absorber of THz Waves. , 2019, , .		0
24	Plasmon Resonances of Conformal Graphene Strip Placed on Circular Dielectric Rod: from Microwaves to Infrared Range. , 2021, , .		0
25	Basic Equations of the Lasing Eigenvalue Problem for Graphene Strips-on-Substrate Grating, H-Polarization. , 2021, , .		0
26	Plasmon Resonance of Graphene Strip Placed on Dielectric Rod in the Microwave Range. , 2020, , .		0