Elena D Vinogradova

List of Publications by Year
in descending order

32 papers	141 citations	1306789 7 h-index	1281420 11 g-index
33 all docs	33 docs citations	33 times ranked	31 citing authors

#	Article	IF	Citations
1	Scattering of an obliquely incident E â�’ polarised plane wave from ensembles of slotted cylindrical cavities: A rigorous approach. IET Microwaves, Antennas and Propagation, 2021, 15, 1270-1282.	0.7	1
2	Complex eigenvalues of natural TM â€oscillations in an open resonator formed by two sinusoidally corrugated metallic strips. IET Microwaves, Antennas and Propagation, 2021, 15, 1283-1298.	0.7	1
3	Axisymmetric acoustic oscillations of a rigid spherical shell with two symmetric circular apertures. Journal of Sound and Vibration, 2021, 503, 116115.	2.1	2
4	Guest Editorial: Method of analytical regularisation for new frontiers of applied electromagnetics. IET Microwaves, Antennas and Propagation, 2021, 15, 1127-1132.	0.7	12
5	Optimal tuning of open 2D resonators by thin metallic rods located near the aperture. , 2021, , .		0
6	Accurate Cutoff Wavenumbers of a Waveguide Containing Multiple Inner Conductors Axially Aligned. , 2021, , .		1
7	Resonance scattering of plane waves by a soft elliptic cavity with a variably placed longitudinal slit. Journal of the Acoustical Society of America, 2020, 147, 3294-3305.	0.5	2
8	Accurate Cutoff Wavenumbers of a Waveguide Perturbed by Axially Aligned Inner Conductors. , 2019, , .		3
9	Diffraction by Doubly-Connected Cavities of General Form: Rigorous Approach. , 2019, , .		0
10	Full wave analysis of plane wave diffraction by a finite sinusoidal grating: E-polarization case. Wave Motion, 2019, 86, 44-62.	1.0	6
11	A rigorous approach to multiple plane wave scattering by arbitrary cylindrical cavities with longitudinal slits: ensembles of coupled resonators. , 2018, , .		0
12	Axisymmetric Electromagnetic Oscillations in Open Perfectly Conducting Spherical Cavities. , 2018, , .		1
13	The effect of inserts upon propagation modes in a waveguide. , 2018, , .		0
14	Multiple scattering of E-polarized plane waves from a finite number of sinusoidal corrugated strips. , 2018, , .		0
15	Complex eigenvalues of slotted arbitrary cylindrical cavities: Sound-soft elliptic cavity with variably placed longitudinal slit. Journal of the Acoustical Society of America, 2018, 144, 1146-1153.	0.5	12
16	Reflectivity of two-dimensional airfoils illuminated by H-polarized plane wave: Rigorous approach. Electromagnetics, 2017, 37, 377-397.	0.3	5
17	Scattering of E Polarized Plane Wave by Rectangular Cavity With Finite Flanges. Radio Science, 2017, 52, 1374-1385.	0.8	5
18	Electromagnetic plane wave scattering by arbitrary two-dimensional cavities: Rigorous approach. Wave Motion, 2017, 70, 47-64.	1.0	22

#	Article	IF	Citations
19	Resonance scattering: Spectrum of quasi-eigenmodes of Two-Dimensional arbitrary open cavities. , 2017, , .		3
20	Plane wave diffraction by 2D rectangular cavity with flanges. , 2017, , .		0
21	Rigorous Approach to Analysis of Two-Dimensional Potential Problems, Wave Propagation and Scattering for Multi-conductor Systems. , 2015, , .		3
22	Accurate impedance calculations for transmission lines with adjustable inner conductor. Microwave and Optical Technology Letters, 2014, 56, 2066-2070.	0.9	3
23	Accurate Backscattering Studies for Double‐Layered Array of Infinitely Long Cylinders. Microwave and Optical Technology Letters, 2013, 55, 2127-2131.	0.9	10
24	RIGOROUS APPROACH TO CALCULATION OF CAPACITANCE IMAGES OF METALLIC SAMPLES FOR USE IN CAPACITANCE MICROSCOPY. Progress in Electromagnetics Research B, 2013, 55, 383-399.	0.7	1
25	RESONANCE WAVE SCATTERING BY A STRIP GRATING ATTACHED TO A FERROMAGNETIC MEDIUM. Progress in Electromagnetics Research B, 2010, 23, 109-129.	0.7	7
26	RESONANT DIFFRACTION FROM A GRATING ON A PARAMAGNETIC LAYER WITH FREQUENCY DISPERSION. Progress in Electromagnetics Research M, 2009, 6, 185-199.	0.5	3
27	Diffraction from arbitrarily shaped bodies of revolution: analytical regularization. Journal of Engineering Mathematics, 2009, 65, 125-141.	0.6	9
28	Regularization of the Dirichlet Problem for Laplace's Equation: Surfaces of Revolution. Electromagnetics, 2009, 29, 53-76.	0.3	12
29	Diffraction from Arbitrarily Shaped Open Shells of Revolution: Dynamic Case. , 2007, , .		0
30	Diffraction of H-polarized Plane Wave by Cylindrical Cavities of Arbitrary Shape. , 2007, , .		1
31	Diffraction from Arbitrarily Shaped Open Shells of Revolution: Static Case. , 2007, , .		1
32	Analytical regularization based analysis of a spherical reflector symmetrically illuminated by an acoustic beam. Journal of the Acoustical Society of America, 2000, 107, 2999-3005.	0.5	13