

Elena D Vinogradova

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

141
citations

1306789

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1281420

11
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33
all docs

33
docs citations

33
times ranked

31
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Electromagnetic plane wave scattering by arbitrary two-dimensional cavities: Rigorous approach. <i>Wave Motion</i> , 2017, 70, 47-64. | 1.0 | 22 |
| 2 | Analytical regularization based analysis of a spherical reflector symmetrically illuminated by an acoustic beam. <i>Journal of the Acoustical Society of America</i> , 2000, 107, 2999-3005. | 0.5 | 13 |
| 3 | Regularization of the Dirichlet Problem for Laplace's Equation: Surfaces of Revolution. <i>Electromagnetics</i> , 2009, 29, 53-76. | 0.3 | 12 |
| 4 | Complex eigenvalues of slotted arbitrary cylindrical cavities: Sound-soft elliptic cavity with variably placed longitudinal slit. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 1146-1153. | 0.5 | 12 |
| 5 | Guest Editorial: Method of analytical regularisation for new frontiers of applied electromagnetics. <i>IET Microwaves, Antennas and Propagation</i> , 2021, 15, 1127-1132. | 0.7 | 12 |
| 6 | Accurate Backscattering Studies for Double-Layered Array of Infinitely Long Cylinders. <i>Microwave and Optical Technology Letters</i> , 2013, 55, 2127-2131. | 0.9 | 10 |
| 7 | Diffraction from arbitrarily shaped bodies of revolution: analytical regularization. <i>Journal of Engineering Mathematics</i> , 2009, 65, 125-141. | 0.6 | 9 |
| 8 | RESONANCE WAVE SCATTERING BY A STRIP GRATING ATTACHED TO A FERROMAGNETIC MEDIUM. <i>Progress in Electromagnetics Research B</i> , 2010, 23, 109-129. | 0.7 | 7 |
| 9 | Full wave analysis of plane wave diffraction by a finite sinusoidal grating: E-polarization case. <i>Wave Motion</i> , 2019, 86, 44-62. | 1.0 | 6 |
| 10 | Reflectivity of two-dimensional airfoils illuminated by H -polarized plane wave: Rigorous approach. <i>Electromagnetics</i> , 2017, 37, 377-397. | 0.3 | 5 |
| 11 | Scattering of E Polarized Plane Wave by Rectangular Cavity With Finite Flanges. <i>Radio Science</i> , 2017, 52, 1374-1385. | 0.8 | 5 |
| 12 | RESONANT DIFFRACTION FROM A GRATING ON A PARAMAGNETIC LAYER WITH FREQUENCY DISPERSION. <i>Progress in Electromagnetics Research M</i> , 2009, 6, 185-199. | 0.5 | 3 |
| 13 | Accurate impedance calculations for transmission lines with adjustable inner conductor. <i>Microwave and Optical Technology Letters</i> , 2014, 56, 2066-2070. | 0.9 | 3 |
| 14 | Rigorous Approach to Analysis of Two-Dimensional Potential Problems, Wave Propagation and Scattering for Multi-conductor Systems. , 2015, , . | | 3 |
| 15 | Resonance scattering: Spectrum of quasi-eigenmodes of Two-Dimensional arbitrary open cavities. , 2017, , . | | 3 |
| 16 | Accurate Cutoff Wavenumbers of a Waveguide Perturbed by Axially Aligned Inner Conductors. , 2019, , . | | 3 |
| 17 | Axisymmetric acoustic oscillations of a rigid spherical shell with two symmetric circular apertures. <i>Journal of Sound and Vibration</i> , 2021, 503, 116115. | 2.1 | 2 |
| 18 | Resonance scattering of plane waves by a soft elliptic cavity with a variably placed longitudinal slit. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 3294-3305. | 0.5 | 2 |

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|----|---|-----|-----------|
| 19 | Diffraction of H-polarized Plane Wave by Cylindrical Cavities of Arbitrary Shape. , 2007, , . | | 1 |
| 20 | Diffraction from Arbitrarily Shaped Open Shells of Revolution: Static Case. , 2007, , . | | 1 |
| 21 | 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 |
| 22 | Axisymmetric Electromagnetic Oscillations in Open Perfectly Conducting Spherical Cavities. , 2018, , . | | 1 |
| 23 | Scattering of an obliquely incident E^{\wedge} polarised plane wave from ensembles of slotted cylindrical cavities: A rigorous approach. IET Microwaves, Antennas and Propagation, 2021, 15, 1270-1282. | 0.7 | 1 |
| 24 | Complex eigenvalues of natural TM $\hat{\omega}$ oscillations in an open resonator formed by two sinusoidally corrugated metallic strips. IET Microwaves, Antennas and Propagation, 2021, 15, 1283-1298. | 0.7 | 1 |
| 25 | Accurate Cutoff Wavenumbers of a Waveguide Containing Multiple Inner Conductors Axially Aligned. , 2021, , . | | 1 |
| 26 | Diffraction from Arbitrarily Shaped Open Shells of Revolution: Dynamic Case. , 2007, , . | | 0 |
| 27 | Plane wave diffraction by 2D rectangular cavity with flanges. , 2017, , . | | 0 |
| 28 | A rigorous approach to multiple plane wave scattering by arbitrary cylindrical cavities with longitudinal slits: ensembles of coupled resonators. , 2018, , . | | 0 |
| 29 | The effect of inserts upon propagation modes in a waveguide. , 2018, , . | | 0 |
| 30 | Multiple scattering of E-polarized plane waves from a finite number of sinusoidal corrugated strips. , 2018, , . | | 0 |
| 31 | Diffraction by Doubly-Connected Cavities of General Form: Rigorous Approach. , 2019, , . | | 0 |
| 32 | Optimal tuning of open 2D resonators by thin metallic rods located near the aperture. , 2021, , . | | 0 |