

Grigorios P Zouros

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	EM Scattering by Core-Shell Gyroelectric-Isotropic and Isotropic-Gyroelectric BoRs Using the EBCM. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2022, 7, 117-125.	2.2	1
2	All-“Anisotropic Spheroidal Photonic Antennas: Theory and Modeling. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-12.	2.9	7
3	An Entire Domain CFVIE-CDSE Method for EM Scattering on Electrically Large Highly Inhomogeneous Gyrotropic Circular Cylinders. IEEE Transactions on Antennas and Propagation, 2021, 69, 2256-2266.	5.1	7
4	Spherical Optomagnonic Resonators. , 2021, , 243-297.		1
5	Three-Dimensional Giant Invisibility to Superscattering Enhancement Induced by Zeeman-Split Modes. ACS Photonics, 2021, 8, 1407-1412.	6.6	11
6	Complex WGM frequencies of gyroelectric cylindrical resonators. IET Microwaves, Antennas and Propagation, 2021, 15, 1206-1217.	1.4	2
7	Active THz metasurfaces for compact isolation. Journal of the Optical Society of America B: Optical Physics, 2021, 38, C191.	2.1	2
8	EBCM for Electromagnetic Modeling of Gyrotropic BoRs. IEEE Transactions on Antennas and Propagation, 2021, 69, 6134-6139.	5.1	9
9	Cutoff Wavenumbers of Multilayered Gyrotropic Circular Waveguides. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2949-2959.	4.6	4
10	Electromagnetic Scattering by Magnetic Biaxial Cylinders. , 2021, , .		0
11	Integral Representations for Modeling Core-shell Particle-based Photonics Applications. , 2021, , .		1
12	Garnet Wires as Optomagnonic Cavities. , 2021, , .		0
13	End-fire all-anisotropic transition metal dichalcogenide nanoantennas. Physical Review B, 2021, 104, .	3.2	2
14	Volume Integral Equation Formulation for Electromagnetic Scattering by Highly Inhomogeneous Anisotropic Cylinders. , 2020, , .		1
15	Monitoring strong coupling in nonlocal plasmonics with electron spectroscopies. Physical Review B, 2020, 101, .	3.2	12
16	Magnetic switching of Kerker scattering in spherical microresonators. Nanophotonics, 2020, 9, 4033-4041.	6.0	10
17	Dyadic Green’s Function Studies for the Three-shell Head Model. , 2020, , .		0
18	Eigenfrequency Spectrum of Prolate Spheroidal Magneto-optic Cavities. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Calculation of the Cutoff Wavenumbers of Circular Metallic-Anisotropic Waveguides. , 2020, , .		1
20	High-efficiency triple-resonant inelastic light scattering in planar optomagnonic cavities. New Journal of Physics, 2019, 21, 095001.	2.9	13
21	Engineering Subwavelength Nanoantennas in the Visible by Employing Resonant Anisotropic Nanospheroids. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-12.	2.9	8
22	A Technique for Nanoscale Modeling of Uniaxial Spheroids. , 2019, , .		0
23	Scattering by a Magnetized Cold Plasma Body. , 2019, , .		0
24	Eigenfrequencies in Gyrotropic Metallic Cavities. IEEE Microwave and Wireless Components Letters, 2018, 28, 197-199.	3.2	5
25	CCOMP: An efficient algorithm for complex roots computation of determinantal equations. Computer Physics Communications, 2018, 222, 339-350.	7.5	14
26	Asymptotic Solution to the Scattering By Anisotropic Spheroids. , 2018, , .		0
27	Full-wave theory for WGM lasing of fully anisotropic nanoparticles. Journal of Applied Physics, 2018, 124, .	2.5	3
28	Modified Prony Method for Integration of Highly Oscillating Functions. , 2018, , .		3
29	Integration of Highly Oscillating Functions Using Prony Interpolation. , 2018, , .		3
30	Modal Analysis of Optomagnonic Resonators (Invited paper). , 2018, , .		0
31	Complex Resonances of Anisotropic Spherical Resonators. IEEE Transactions on Antennas and Propagation, 2018, 66, 5282-5290.	5.1	6
32	On Methods Employing Auxiliary Sources for 2-D Electromagnetic Scattering by Noncircular Shapes. IEEE Transactions on Antennas and Propagation, 2018, 66, 5443-5452.	5.1	29
33	CFVIE Formulation for EM Scattering on Inhomogeneous Anisotropic Metallic Objects. IEEE Transactions on Antennas and Propagation, 2017, 65, 3788-3793.	5.1	8
34	Efficient complex roots computation for microwave applications. , 2017, , .		1
35	Complex resonances of composite PEC-gyroelectric resonators using SVIE method. , 2017, , .		1
36	Eigenfrequencies and Modal Analysis of Uniaxial, Biaxial, and Gyroelectric Spherical Cavities. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 20-27.	4.6	16

#	ARTICLE	IF	CITATIONS
37	On methods employing auxiliary sources for non-circular scattering problems. , 2017, , .		0
38	Analysis of Multilayered Gyroelectric Spherical Cavities by Weak Form VIE Formulation. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4029-4036.	4.6	9
39	Resonances of uniaxially anisotropic photonic nanoresonators. , 2017, , .		0
40	Alternative orthogonal vector basis functions for solving volume integral equations in electromagnetic theory. , 2016, , .		2
41	Acoustic scattering from inhomogeneous spheres with impenetrable cores. Journal of Applied Physics, 2016, 119, .	2.5	2
42	Electromagnetic scattering by a conducting sphere with anisotropic coating. , 2016, , .		0
43	Scattering by an inhomogeneous gyroelectric shell coating a PEC spherical core. , 2016, , .		1
44	Electromagnetic Scattering by Inhomogeneous Conducting Gyroelectric Objects. IEEE Transactions on Antennas and Propagation, 2016, 64, 4804-4814.	5.1	4
45	Latest advances in computational electromagnetic solvers for highly inhomogeneous anisotropic objects. , 2016, , .		0
46	Scattering and Radiation by Perturbed Spherical Metallic Bodies of Revolution. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1008-1011.	4.0	2
47	Electromagnetic Scattering on Inhomogeneous Gyroelectric Bodies of Revolution. IEEE Transactions on Antennas and Propagation, 2016, 64, 281-286.	5.1	7
48	Study of radiation characteristics of prolate or oblate spheroidal antennas using shape perturbation method. , 2015, , .		0
49	Asymptotic technique for electromagnetic scattering by perfectly conducting bodies of revolution. , 2015, , .		0
50	Efficient Calculation of the Electromagnetic Scattering by Lossless or Lossy, Prolate or Oblate Dielectric Spheroids. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 864-876.	4.6	9
51	Corrections to "EM Field Induced in Inhomogeneous Dielectric Spheres by External Sources" [Nov 07 3178-3190]. IEEE Transactions on Antennas and Propagation, 2015, 63, 875-876.	5.1	0
52	Electromagnetic Scattering by an Inhomogeneous Gyroelectric Sphere Using Volume Integral Equation and Orthogonal Dini-Type Basis Functions. IEEE Transactions on Antennas and Propagation, 2015, 63, 2665-2676.	5.1	31
53	Fast Solution of the Electromagnetic Scattering by Composite Spheroidal Spherical and Spheroidal Configurations. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3042-3053.	4.6	4
54	Electromagnetic Scattering by a General Rotationally Symmetric Inhomogeneous Anisotropic Sphere. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3054-3065.	4.6	19

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55	Electromagnetic Scattering From a Metallic Prolate or Oblate Spheroid Using Asymptotic Expansions on Spheroidal Eigenvectors. IEEE Transactions on Antennas and Propagation, 2014, 62, 839-851.	5.1	13
56	Closed-form solution for electromagnetic scattering by a dielectric spheroid. , 2014, , .		2
57	Closed-form solution for electromagnetic scattering by a dielectric spheroid coating a metallic sphere. , 2014, , .		0
58	Analytical calculation for cutoff wavenumbers of metallic waveguides with elliptical-circular and circular-elliptical cross section. , 2014, , .		0
59	Exact Eigenfrequencies in Concentric Prolate Spheroidal-Spherical Metallic Cavities. IEEE Microwave and Wireless Components Letters, 2014, 24, 821-823.	3.2	4
60	Efficient and Accurate Calculation of the Cutoff Wavenumbers of Coaxial Elliptical-Circular and Circular-Elliptical Metallic Waveguides. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2242-2250.	4.6	8
61	Study of Convergence, Divergence, and Oscillations in Method-of-Auxiliary-Sources (MAS) and Extended-Integral-Equation (EIE) Solutions to a Simple Cavity Problem. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2773-2782.	4.6	10
62	Exact Cutoff Wavenumbers of Composite Elliptical Metallic Waveguides. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3179-3186.	4.6	7
63	An analytical closed-form solution for electromagnetic scattering from a metallic spheroid in terms of spheroidal eigenvectors. , 2013, , .		0
64	Closed-form solution to the scattering by an infinite lossless or lossy elliptic cylinder coating a circular metallic core. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1832.	1.5	1
65	Oblique electromagnetic scattering from lossless or lossy composite elliptical dielectric cylinders. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 196.	1.5	14
66	Exact solution to the scattering by infinitely long composite elliptical dielectric cylinders under oblique illumination. , 2012, , .		0
67	Exact and Closed-Form Cutoff Wavenumbers of Elliptical Dielectric Waveguides. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2741-2751.	4.6	10
68	Transverse Electric Scattering on Inhomogeneous Objects: Spectrum of Integral Operator and Preconditioning. SIAM Journal of Scientific Computing, 2012, 34, B226-B246.	2.8	13
69	Analytical calculation of cutoff wavenumbers of dielectric waveguides with elliptical cross section. , 2012, , .		1
70	Scattering by an infinite elliptic dielectric cylinder under oblique illumination. , 2011, , .		0
71	Electromagnetic scattering by an infinite cylinder of material or metamaterial coating eccentrically a dielectric cylinder. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 1076.	1.5	6
72	Electromagnetic plane wave scattering by arbitrarily oriented elliptical dielectric cylinders. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 2376.	1.5	17

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73	Preconditioning of the Singular Domain Integral Equation Method for Transverse Electric Scattering on High-Contrast Inhomogeneous Cylinders. , 2011, , .		0
74	Green's function of radial inhomogeneous spheres excited by internal sources. Journal of the Acoustical Society of America, 2011, 129, 24-31.	1.1	2
75	Scattering by an Infinite Dielectric Cylinder Having an Elliptic Metal Core: Asymptotic Solutions. IEEE Transactions on Antennas and Propagation, 2010, 58, 3299-3309.	5.1	8
76	Schwinger-Lippman volume integral equation method for green's function evaluation in an inhomogeneous sphere by an inner source using dini's series expansion. , 2010, , .		0