Ioannis G Stratis

List of Publications by Year
in descending order

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55	594	623734	713466
papers	citations	14 h-index	21 g-index

55	55	55	229
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A quantitative approach on the solvability of evolution problems in open sets of certain geometries. Journal of Mathematical Analysis and Applications, 2022, 506, 125663.	1.0	0
2	Rigorous Analysis of the Quasi-Steady-State Assumption in Enzyme Kinetics. Mathematics, 2022, 10, 1086.	2.2	1
3	Regularity of nonvanishing â€“ at infinity or at the boundary â€“ solutions of the defocusing nonlinear SchrÃ¶dinger equation. Communications in Partial Differential Equations, 2021, 46, 233-281.	2.2	2
4	Machine Learning Approaches on High Throughput NGS Data to Unveil Mechanisms of Function in Biology and Disease. Cancer Genomics and Proteomics, 2021, 18, 605-626.	2.0	11
5	On an Interior CalderÃ³n Operator and a Related Steklov Eigenproblem for Maxwell's Equations. SIAM Journal on Mathematical Analysis, 2020, 52, 4140-4160.	1.9	5
6	The exterior CalderÃ³n operator for non-spherical objects. SN Partial Differential Equations and Applications, 2020, 1, 1.	0.6	4
7	Nonvanishing at spatial extremity solutions of the defocusing nonlinear SchrÃ¶dinger equation. Mathematical Methods in the Applied Sciences, 2019, 42, 4939-4956.	2.3	3
8	On the 1-dim Defocusing NLS Equation with Non-vanishing Initial Data at Infinity. Springer Proceedings in Mathematics and Statistics, 2019, , 337-362.	0.2	0
9	Stochastic degenerate Sobolev equations: well posedness and exact controllability. Mathematical Methods in the Applied Sciences, 2018, 41, 1025-1032.	2.3	16
10	Spatiotemporal algebraically localized waveforms for a nonlinear SchrÃ¶dinger model with gain and loss. Physica D: Nonlinear Phenomena, 2017, 355, 24-33.	2.8	7
11	Homogenization of random elliptic systems with an application to Maxwell's equations. Mathematical Models and Methods in Applied Sciences, 2015, 25, 1365-1388.	3.3	3
12	Mixed impedance transmission problems for vibrating layered elastic bodies. Mathematical Methods in the Applied Sciences, 2015, 38, 3264-3294.	2.3	4
13	Linear stochastic degenerate Sobolev equations and applications^{â€}. International Journal of Control, 2015, 88, 2538-2553.	1.9	15
14	Some remarks on a class of inverse problems related to the parabolic approximation to the Maxwell equations: a controllability approach. Mathematical Methods in the Applied Sciences, 2015, 38, 3866-3878.	2.3	3
15	Special Issue on Applied Mathematics. Mathematical Methods in the Applied Sciences, 2014, 37, 157-157.	2.3	0
16	On the Well-Posedness of the Maxwell System for Linear Bianisotropic Media. SIAM Journal on Mathematical Analysis, 2012, 44, 2459-2473.	1.9	12
17	Homogenisation theory for deterministic and random bianisotropic media. Composites Part B: Engineering, 2012, 43, 2513-2520.	12.0	3
18	Interface crack problems for metallicâ€“piezoelectric composite structures. Mathematical Methods in the Applied Sciences, 2010, 33, 539-562.	2.3	7

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19	Boundary integral equation methods in the theory of elasticity of hemitropic materials: A brief review. Journal of Computational and Applied Mathematics, 2010, 234, 1622-1630.	2.0	4
20	Point-Source Elastic Scattering by a Nested Piecewise Homogeneous Obstacle in an Elastic Environment. Mathematics and Mechanics of Solids, 2010, 15, 419-438.	2.4	2
21	An application of the reciprocity gap functional to inverse mixed impedance problems in elasticity. Inverse Problems, 2010, 26, 085011.	2.0	10
22	On the approximate controllability of the stochastic Maxwell equations. IMA Journal of Mathematical Control and Information, 2010, 27, 103-118.	1.7	13
23	On the scattering of two-dimensional elastic point sources and related near-field inverse problems for small discs. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2009, 139, 719-741.	1.2	1
24	Pseudoparabolic equations with additive noise and applications. Mathematical Methods in the Applied Sciences, 2009, 32, 963-985.	2.3	3
25	A priori estimates for a singular limit approximation of the constitutive laws for chiral media in the time domain. Journal of Mathematical Analysis and Applications, 2009, 355, 288-302.	1.0	11
26	3D elastic scattering theorems for pointâ€generated dyadic fields. Mathematical Methods in the Applied Sciences, 2008, 31, 987-1003.	2.3	9
27	Transmission problems in the theory of elastic hemitropic materials. Applicable Analysis, 2007, 86, 1463-1508.	1.3	13
28	Wave scattering by an elastic obstacle with interior cuts. Mathematische Nachrichten, 2007, 280, 996-1013.	0.8	0
29	Metaplastic Breast Carcinoma in a Patient with Von Recklinghausen's Disease. Clinical Breast Cancer, 2007, 7, 573-575.	2.4	19
30	Scattering relations for point-generated dyadic fields in two-dimensional linear elasticity. Quarterly of Applied Mathematics, 2006, 64, 695-710.	0.7	10
31	Mathematical problems of the theory of elasticity of chiral materials for Lipschitz domains. Mathematical Methods in the Applied Sciences, 2006, 29, 445-478.	2.3	18
32	Representation formulae of general solutions in the theory of hemitropic elasticity. Quarterly Journal of Mechanics and Applied Mathematics, 2006, 59, 451-474.	1.3	18
33	The Singular Sources Method for an Inverse Transmission Problem. Computing (Vienna/New York), 2005, 75, 237-255.	4.8	16
34	Electromagnetic fields in linear and nonlinear chiral media: a time-domain analysis. Abstract and Applied Analysis, 2004, 2004, 471-486.	0.7	12
35	On Equilibria of the Two-fluid Model in Magnetohydrodynamics. Mathematical Physics Analysis and Geometry, 2004, 7, 97-117.	1.0	0
36	Transmission problems in contrasting chiral media. Reports on Mathematical Physics, 2004, 53, 143-156.	0.8	4

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37	A time domain analysis of wave motions in chiral materials. Mathematische Nachrichten, 2003, 250, 3-16.	0.8	16
38	Homogenization of Maxwell's equations in dissipative bianisotropic media. Mathematical Methods in the Applied Sciences, 2003, 26, 1241-1253.	2.3	26
39	On the scattering of point-generated electromagnetic waves by a perfectly conducting sphere, and related near-field inverse problems. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2003, 83, 129-136.	1.6	16
40	On the domain derivative for scattering by impenetrable obstacles in chiral media. IMA Journal of Applied Mathematics, 2003, 68, 621-635.	1.6	11
41	Scattering relations for point sources: Acoustic and electromagnetic waves. Journal of Mathematical Physics, 2002, 43, 5683-5697.	1.1	46
42	Brightâ€“Dark Vector Solitons in Chiral Media. Physica Scripta, 2002, 66, 280-283.	2.5	2
43	Electromagnetic scattering by a perfectly conducting obstacle in a homogeneous chiral environment: solvability and low-frequency theory. Mathematical Methods in the Applied Sciences, 2002, 25, 927-944.	2.3	26
44	A Transmission problem for bi-isotropic media. Applicable Analysis, 2001, 77, 195-209.	1.3	2
45	On spherical-wave scattering by a spherical scatterer and related near-field inverse problems. IMA Journal of Applied Mathematics, 2001, 66, 539-549.	1.6	24
46	Electromagnetic scattering by a homogeneous chiral obstacle in a chiral environment. IMA Journal of Applied Mathematics, 2000, 64, 245-258.	1.6	44
47	On Generalized Linear Singular Delay Systems. Journal of Mathematical Analysis and Applications, 2000, 245, 430-446.	1.0	9
48	On some properties of Beltrami fields in chiral media. Reports on Mathematical Physics, 2000, 45, 257-271.	0.8	19
49	On Generalized Linear Regular Delay Systems. Journal of Mathematical Analysis and Applications, 1999, 237, 505-514.	1.0	10
50	Electromagnetic scattering by a homogeneous chiral obstacle: scattering relations and the far-field operator. Mathematical Methods in the Applied Sciences, 1999, 22, 1175-1188.	2.3	17
51	Electromagnetic Scattering Problems in Chiral Media: A Review. Electromagnetics, 1999, 19, 547-562.	0.7	11
52	Electromagnetic Scattering by a Homogeneous Chiral Obstacle: Boundary Integral Equations and Low-Chirality Approximations. SIAM Journal on Applied Mathematics, 1999, 59, 1745-1762.	1.8	36
53	Uniqueness of the inverse scattering problem for a chiral obstacle. International Journal of Applied Electromagnetics and Mechanics, 1998, 9, 123-133.	0.6	5
54	Electromagnetic scattering by a chiral obstacle. IMA Journal of Applied Mathematics, 1997, 58, 83-91.	1.6	14

#	Article	IF	Citations
55	Chirality notions and electromagnetic scattering: a mini review. Complex Variables and Elliptic Equations, 0, , 1-33.	0.8	1