Antonios Charalambopoulos

List of Publications by Year
in descending order

25 papers	234 citations	1307594 7 h-index	996975 15 g-index
25 all docs	25 docs citations	25 times ranked	156 citing authors

#	ARTICLE	IF	CITATIONS
1	Velocity dispersion of guided waves propagating in a free gradient elastic plate: Application to cortical bone. Journal of the Acoustical Society of America, 2009, 125, 3414-3427.	1.1	87
2	The effect of boundary conditions on guided wave propagation in two-dimensional models of healing bone. Ultrasonics, 2008, 48, 598-606.	3.9	40
3	Plane strain gradient elastic rectangle in tension. Archive of Applied Mechanics, 2015, 85, 1421-1438.	2.2	14
4	Inverse scattering via lowâ€frequency moments. Journal of Mathematical Physics, 1992, 33, 4206-4216.	1.1	13
5	On the Spectrum of the Interior Transmission Problem in Isotropic Elasticity. Journal of Elasticity, 2008, 90, 295-313.	1.9	11
6	On the Vekua Pair in Spheroidal Geometry and its Role in Solving Boundary Value Problems. Applicable Analysis, 2002, 81, 85-113.	1.3	8
7	On the gradient elastic wave propagation in cylindrical waveguides with microstructure. Composites Part B: Engineering, 2012, 43, 2613-2627.	12.0	8
8	Plane strain gradient elastic rectangle in bending. Archive of Applied Mechanics, 2020, 90, 967-986.	2.2	6
9	On Representing Strain Gradient Elastic Solutions of Boundary Value Problems by Encompassing the Classical Elastic Solution. Mathematics, 2022, 10, 1152.	2.2	6
10	On the dyadic scattering problem in three-dimensional gradient elasticity: an analytic approach. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 395203.	2.1	5
11	A study on Rayleigh wave dispersion in bone according to Mindlin's Form II gradient elasticity. Journal of the Acoustical Society of America, 2014, 135, 3117-3126.	1.1	5
12	Characterization of functions as radiation patterns in linear elasticity. Mathematical Methods in the Applied Sciences, 1992, 15, 547-558.	2.3	4
13	An analytic algorithm for shape reconstruction from low-frequency moments. Journal of Mathematical Physics, 2011, 52, .	1.1	4
14	On hamilton's principle for discrete and continuous systems: A convolved action principle. Reports on Mathematical Physics, 2021, 87, 225-248.	0.8	4
15	The reconstruction of the surface of scatterers with continuous curvature via low-frequency moments. IMA Journal of Applied Mathematics, 1995, 54, 171-201.	1.6	3
16	Inverse scattering for an acoustically soft scatterer in the low-frequency region. International Journal of Engineering Science, 1995, 33, 599-609.	5.0	3
17	A novel stochastic method for the solution of direct and inverse exterior elliptic problems. Quarterly of Applied Mathematics, 2017, 76, 65-111.	0.7	3
18	The inverse conductivity problem via the calculus of functions of bounded variation. Mathematical Methods in the Applied Sciences, 2020, 43, 5032-5072.	2.3	3

#	Article	IF	Citations
19	Scattering from two eccentric spheroids: Theory and numerical investigation. International Journal of Engineering Science, 2010, 48, 174-187.	5.0	2
20	Numerical investigation of the acoustic scattering problem from penetrable prolate spheroidal structures using the Vekua transformation and arbitrary precision arithmetic. Mathematical Methods in the Applied Sciences, 2018, 41, 5124-5139.	2.3	2
21	A Conditioned Probabilistic Method for the Solution of the Inverse Acoustic Scattering Problem. Mathematics, 2022, 10, 1383.	2.2	2
22	A dual self-monitored reconstruction scheme on theTV-regularized inverse conductivity problem. IMA Journal of Applied Mathematics, 2021, 86, 604-630.	1.6	1
23	Morawetz's method for the decay of the solution of the exterior initial-boundary value problem for the linearized equation of dynamic elasticity. Journal of Elasticity, 1993, 31, 47-69.	1.9	0
24	Investigation of initialâ€boundary value problems of gradient elasticity in the realm of implicit second order evolution equations. Mathematical Methods in the Applied Sciences, 2018, 41, 936-942.	2.3	0
25	A Spline Approach to Parallel-Hole Collimator Deblurring for aSRT-Reconstructed SPECT Images. , 2019, , .		0