

Mario Zampolli

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

520
citations

933447

10
h-index

677142

22
g-index

67
all docs

67
docs citations

67
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	A computationally efficient finite element model with perfectly matched layers applied to scattering from axially symmetric objects. Journal of the Acoustical Society of America, 2007, 122, 1472-1485.	1.1	96
2	Acoustic scattering from a solid aluminum cylinder in contact with a sand sediment: Measurements, modeling, and interpretation. Journal of the Acoustical Society of America, 2010, 127, 3356-3371.	1.1	89
3	Validation of finite element computations for the quantitative prediction of underwater noise from impact pile driving. Journal of the Acoustical Society of America, 2013, 133, 72-81.	1.1	69
4	Computing the far field scattered or radiated by objects inside layered fluid media using approximate Green's functions. Journal of the Acoustical Society of America, 2008, 123, 4051-4058.	1.1	40
5	Parabolic equation solution of seismo-acoustics problems involving variations in bathymetry and sediment thickness. Journal of the Acoustical Society of America, 2008, 123, 51-55.	1.1	40
6	Benchmark problems for acoustic scattering from elastic objects in the free field and near the seafloor. Journal of the Acoustical Society of America, 2009, 125, 89-98.	1.1	33
7	Radiation impedance matrices for rectangular interfaces within rigid baffles: Calculation methodology and applications. Journal of the Acoustical Society of America, 2002, 111, 672-684.	1.1	28
8	LOW- TO MID-FREQUENCY SCATTERING FROM ELASTIC OBJECTS ON A SAND SEA FLOOR: SIMULATION OF FREQUENCY AND ASPECT DEPENDENT STRUCTURAL ECHOES. Journal of Computational Acoustics, 2012, 20, 1240007.	1.0	22
9	Simulation of acoustic scattering from an aluminum cylinder near a rough interface using the elastodynamic finite integration technique. Wave Motion, 2010, 47, 616-634.	2.0	16
10	Tank measurements of scattering from a resin-filled fiberglass spherical shell with internal flaws. Journal of the Acoustical Society of America, 2008, 124, 827-840.	1.1	15
11	CTBTO's Data and Analysis Pertaining to the Search for the Missing Argentine Submarine ARA San Juan. Pure and Applied Geophysics, 2021, 178, 2557-2577.	1.9	10
12	Extension of the Rotated Elastic Parabolic Equation to Beach and Island Propagation. IEEE Journal of Oceanic Engineering, 2009, 34, 617-623.	3.8	9
13	Interpretation of detections of volcanic activity at Ioto Island obtained from in situ seismometers and remote hydrophones of the International Monitoring System. Scientific Reports, 2019, 9, 19519.	3.3	9
14	Towards a passive acoustic underwater system for protecting harbours against intruders. , 2010, , .		4
15	Calculation of Hydroacoustic Propagation and Conversion to Seismic Phases at T-Stations. Pure and Applied Geophysics, 2021, 178, 2579-2609.	1.9	4
16	Modeling of reflection coefficient fluctuation from measured seafloor roughness. , 2007, , .		3
17	Measurements of the Bottom Loss Magnitude and Phase from 5 to 50 kHz and 10 to 77 degrees grazing at the Experimental Validation of Acoustic modeling techniques (EVA) Sea Test. , 2007, , .		3
18	The Weston Memorial workshop: progress to date on low frequency active sonar scenarios. Proceedings of Meetings on Acoustics, 2013, , .	0.3	2

#	ARTICLE	IF	CITATIONS
19	A Finite-Element Tool for Scattering from Localized Inhomogeneities and Submerged Elastic Structures. AIP Conference Proceedings, 2004, , .	0.4	1
20	Measurements and modeling of the acoustic scattering from an aluminum pipe in the free field and in contact with a sand sediment. , 2010, , .		1
21	Finite-element modeling in ocean acoustics: Where are we heading?.. , 2010, , .		1