Guy V Norton

List of Publications by Year
in descending order

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20	251	933447	940533
papers	citations	10 h-index	16 g-index

21	21	21	111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Westervelt equation with a causal propagation operator coupled to the bioheat equation.. Evolution Equations and Control Theory, 2016, 5, 449-461.	1.3	3
2	A numerical comparison of the Westervelt equation with viscous attenuation and a causal propagation operator. Mathematics and Computers in Simulation, 2012, 82, 1287-1297.	4.4	7
3	Numerical solution of the wave equation describing acoustic scattering and propagation through complex dispersive moving media. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e849-e854.	1.1	3
4	The Westervelt equation with viscous attenuation versus a causal propagation operator: A numerical comparison. Journal of Sound and Vibration, 2009, 327, 163-172.	3.9	16
5	Comparison of homogeneous and heterogeneous modeling of transient scattering from dispersive media directly in the time domain. Mathematics and Computers in Simulation, 2009, 80, 682-692.	4.4	5
6	Acoustic diffraction by deformed edges of finite length: Theory and experiment. Journal of the Acoustical Society of America, 2007, 122, 3167-3176.	1.1	5
7	Finite-difference time-domain simulation of acoustic propagation in heterogeneous dispersive medium. Numerical Methods for Partial Differential Equations, 2007, 23, 1420-1428.	3.6	5
8	Finite-difference time-domain simulation of acoustic propagation in dispersive medium: An application to bubble clouds in the ocean. Computer Physics Communications, 2006, 174, 961-965.	7.5	9
9	INCLUDING DISPERSION AND ATTENUATION IN TIME DOMAIN MODELING OF PULSE PROPAGATION IN SPATIALLY-VARYING MEDIA. Journal of Computational Acoustics, 2004, 12, 501-519.	1.0	12
10	A hybrid model for the acoustic response of a two-dimensional rough surface to an impulse incident from a refracting medium. Applied Acoustics, 2003, 64, 655-668.	3.3	2
11	Including dispersion and attenuation directly in the time domain for wave propagation in isotropic media. Journal of the Acoustical Society of America, 2003, 113, 3024.	1.1	51
12	On the relative role of sea-surface roughness and bubble plumes in shallow-water propagation in the low-kilohertz region. Journal of the Acoustical Society of America, 2001, 110, 2946-2955.	1.1	18
13	Enhancement of the total acoustic field due to the coupling effects from a rough sea surface and a bubble layer. Journal of the Acoustical Society of America, 1998, 103, 1836-1844.	1.1	8
14	Modeling the propagation from a horizontally directed high-frequency source in shallow water in the presence of bubble clouds and sea surface roughness. Journal of the Acoustical Society of America, 1998, 103, 3256-3267.	1.1	11
15	The effect of seaâ€surface roughness on shallow water waveguide propagation: A coherent approach. Journal of the Acoustical Society of America, 1996, 99, 2013-2021.	1.1	16
16	Coupling scattering from the sea surface to a oneâ€way marching propagation model via conformal mapping: Validation. Journal of the Acoustical Society of America, 1995, 97, 2173-2180.	1.1	15
17	The impact of the background bubble layer on reverberationâ€derived scattering strengths in the low to moderate frequency range. Journal of the Acoustical Society of America, 1995, 97, 227-234.	1.1	27
18	The impulse response of an aperture: Numerical calculations within the framework of the wedge assemblage method. Journal of the Acoustical Society of America, 1994, 95, 3-12.	1.1	15

#	Article	IF	Citations
19	An evaluation of the Kirchhoff approximation in predicting the axial impulse response of hard and soft disks. Journal of the Acoustical Society of America, 1993, 93, 3049-3056.	1.1	13
20	A numerical technique to describe acoustical scattering and propagation from an object in a waveguide. Journal of Applied Physics, 1991, 70, 4101-4112.	2.5	9