Guy V Norton

List of Publications by Year
in descending order

20 papers	251 citations	933447 10 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	111 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
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	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
11	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
12	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
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	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
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	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