Marcia J Isakson

List of Publications by Year
in descending order

23	412	840119 11	752256 20
papers	citations	h-index	g-index

54	54	54	251
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Introduction to the special issue on three-dimensional underwater acoustics. Journal of the Acoustical Society of America, 2019, 146, 1855-1857.	0.5	12
2	Method of numerical Green's function determination for far-field scattering solutions from objects at a water-sediment interface. Journal of the Acoustical Society of America, 2019, 146, 2093-2103.	0.5	5
3	Measurements, Metrics, and Modeling of Normal-Incidence Acoustic Interaction With Ocean Sediment. IEEE Journal of Oceanic Engineering, 2019, 44, 956-971.	2.1	1
4	Observation and modeling of acoustic scattering from a rubber spherical shell. Journal of the Acoustical Society of America, 2018, 143, 3036-3046.	0.5	3
5	A comparison of three geoacoustic models using Bayesian inversion and selection techniques applied to wave speed and attenuation measurements. Journal of the Acoustical Society of America, 2018, 143, 2501-2513.	0.5	9
6	Measuring seafloor roughness using an ROV mounted laser profiling system. , 2016, , .		2
7	On the validity of the effective density fluid model as an approximation of a poroelastic sediment layer. Journal of the Acoustical Society of America, 2015, 138, 748-757.	0.5	6
8	Finite Element Modeling of Acoustic Scattering From Fluid and Elastic Rough Interfaces. IEEE Journal of Oceanic Engineering, 2015, 40, 475-484.	2.1	18
9	Normal Mode Analysis of Three-Dimensional Propagation Over a Small-Slope Cosine Shaped Hill. Journal of Computational Acoustics, 2015, 23, 1550005.	1.0	13
10	A comparison of finite element and analytic models of acoustic scattering from rough poroelastic interfaces. Journal of the Acoustical Society of America, 2015, 137, EL235-EL240.	0.5	10
11	A three-dimensional, longitudinally-invariant finite element model for acoustic propagation in shallow water waveguides. Journal of the Acoustical Society of America, 2014, 136, EL206-EL211.	0.5	19
12	Shear wave attenuation and micro-fluidics in water-saturated sand and glass beads. Journal of the Acoustical Society of America, 2014, 135, 3264-3279.	0.5	21
13	Introduction to the special issue on sediment acoustics. Journal of the Acoustical Society of America, 2013, 134, 119-119.	0.5	5
14	Quantifying the effects of roughness scattering on reflection loss measurements. Journal of the Acoustical Society of America, 2012, 132, 3687-3697.	0.5	14
15	Shear and compressional wave speeds in Hertzian granular media. Journal of the Acoustical Society of America, 2011, 129, 3531-3543.	0.5	2
16	Finite element modeling of reverberation and transmission loss in shallow water waveguides with rough boundaries. Journal of the Acoustical Society of America, 2011, 129, 1273-1279.	0.5	30
17	Comments on â€œOn pore fluid viscosity and the wave properties of saturated granular materials including marine sedimentsâ€•[J. Acoust. Soc. Am. 122, 1486â€“1501 (2007)]. Journal of the Acoustical Society of America, 2010, 127, 2095-2098.	0.5	7
18	High-frequency dispersion from viscous drag at the grain-grain contact in water-saturated sand. Journal of the Acoustical Society of America, 2008, 124, EL296-EL301.	0.5	11

#	Article	IF	Citations
19	Acoustic virtual mass of granular media. Journal of the Acoustical Society of America, 2007, 121, EL70-EL76.	0.5	4
20	A comparison of sediment reflection coefficient measurements to elastic and poro-elastic models. Journal of the Acoustical Society of America, 2006, 120, 2437-2449.	0.5	14
21	The viability of reflection loss measurement inversion to predict broadband acoustic behavior. Journal of the Acoustical Society of America, 2006, 120, 135-144.	0.5	8
22	A broadband model of sandy ocean sediments: Biotâ€“Stoll with contact squirt flow and shear drag. Journal of the Acoustical Society of America, 2004, 116, 2011-2022.	0.5	119
23	Adsorption and Desorption of HCl on Ice. Journal of Physical Chemistry A, 1999, 103, 2044-2049.	1.1	59