Ricardo Leiderman

List of Publications by Year
in descending order

18 papers	217 citations	1163117 8 h-index	1058476 14 g-index
18 all docs	18 docs citations	18 times ranked	147 citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the surface relaxivity as a function of pore size from NMR T2 distributions and micro-tomographic images. Computers and Geosciences, 2017, 106, 200-208.	4.2	38
2	Scattering of ultrasonic waves by defective adhesion interfaces in submerged laminated plates. Journal of the Acoustical Society of America, 2005, 118, 2154-2166.	1.1	31
3	Reconstructing the adhesion stiffness distribution in a laminated elastic plate: Exact and approximate inverse scattering solutions. Journal of the Acoustical Society of America, 2007, 122, 1906-1916.	1.1	24
4	Pore size distribution from NMR and image based methods: A comparative study. Journal of Petroleum Science and Engineering, 2020, 184, 106321.	4.2	23
5	Scattering of ultrasonic waves by heterogeneous interfaces: Formulating the direct scattering problem as a least-squares problem. Journal of the Acoustical Society of America, 2014, 135, 5-16.	1.1	17
6	Scattering of ultrasonic guided waves by heterogeneous interfaces in elastic multi-layered structures. Wave Motion, 2016, 63, 68-82.	2.0	17
7	Detecting and classifying interfacial defects by inverse ultrasound scattering analysis. Wave Motion, 2016, 65, 119-129.	2.0	13
8	Scattering of guided waves by defective adhesive bonds in multilayer anisotropic plates. Wave Motion, 2017, 74, 93-104.	2.0	13
9	Computing Effective Permeability of Porous Media with FEM and Micro-CT: An Educational Approach. Fluids, 2020, 5, 16.	1.7	11
10	Estimating the Effective Elastic Parameters of Nodular Cast Iron from Micro-Tomographic Imaging and Multiscale Finite Elements: Comparison between Numerical and Experimental Results. Metals, 2018, 8, 695.	2.3	10
11	Identifying the ultrasonic inspecting fields that most strongly interact with adhesive bonding defects. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	9
12	P–S converted wave: conversion point and zero-offset energy in anisotropic media. Journal of Applied Geophysics, 2004, 56, 155-163.	2.1	3
13	Determination of the Effective Elastic Modulus for Nodular Cast Iron Using the Boundary Element Method. Metals, 2018, 8, 641.	2.3	3
14	A vectorized assembly-free FEM solver for image-based numerical homogenization. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, .	1.6	3
15	Zero-offset P-S energy in horizontally layered media. Geophysical Prospecting, 2005, 53, 717-721.	1.9	1
16	An analytical-numerical formulation to modelling wave propagation in double-cased oil wells. Wave Motion, 2022, , 102942.	2.0	1
17	Toward an ultrasonic inspecting method to detect and classify adhesive bonding defects in real time: a numeric study. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	0
18	Comparing P-S conversion point location in isotropic and anisotropic media. Revista Brasileira De Geofisica, 2006, 24, 375-381.	0.2	0