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	An analytical-numerical formulation to modelling wave propagation in double-cased oil wells. Wave Motion, 2022, , 102942.	2.0	1
2	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
3	Pore size distribution from NMR and image based methods: A comparative study. Journal of Petroleum Science and Engineering, 2020, 184, 106321.	4.2	23
4	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
5	Computing Effective Permeability of Porous Media with FEM and Micro-CT: An Educational Approach. Fluids, 2020, 5, 16.	1.7	11
6	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
7	Determination of the Effective Elastic Modulus for Nodular Cast Iron Using the Boundary Element Method. Metals, 2018, 8, 641.	2.3	3
8	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
9	Scattering of guided waves by defective adhesive bonds in multilayer anisotropic plates. Wave Motion, 2017, 74, 93-104.	2.0	13
10	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
11	Detecting and classifying interfacial defects by inverse ultrasound scattering analysis. Wave Motion, 2016, 65, 119-129.	2.0	13
12	Scattering of ultrasonic guided waves by heterogeneous interfaces in elastic multi-layered structures. Wave Motion, 2016, 63, 68-82.	2.0	17
13	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
14	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
15	Comparing P-S conversion point location in isotropic and anisotropic media. Revista Brasileira De Geofisica, 2006, 24, 375-381.	0.2	0
16	Zero-offset P-S energy in horizontally layered media. Geophysical Prospecting, 2005, 53, 717-721.	1.9	1
17	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
18	P–S converted wave: conversion point and zero-offset energy in anisotropic media. Journal of Applied Geophysics, 2004, 56, 155-163.	2.1	3