

# Parisa Shokouhi

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

496  
citations

759233

12  
h-index

713466

21  
g-index

33  
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33  
docs citations

33  
times ranked

363  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Investigation of Elastodynamic Nonlinear Response of Dry Intact, Fractured and Saturated Rock. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 2665-2678.	5.4	3
2	Effect of relative humidity on the nonlinear elastic response of granular media. <i>Journal of Applied Physics</i> , 2022, 131, 055101.	2.5	6
3	Control of Rayleigh wave propagation through imposing Mindlin boundary conditions on the surface. <i>Journal of Sound and Vibration</i> , 2022, 530, 116931.	3.9	5
4	The High-Frequency Signature of Slow and Fast Laboratory Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	6
5	Control of low-frequency Lamb wave propagation in plates by boundary condition manipulation. <i>Journal of Applied Physics</i> , 2021, 129, 094903.	2.5	6
6	Deep Learning Can Predict Laboratory Quakes From Active Source Seismic Data. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093187.	4.0	16
7	Identification of long-range ultrasonic guided wave characteristics in cortical bone by modelling. <i>Ultrasonics</i> , 2021, 114, 106407.	3.9	7
8	Nonlinear elastodynamic behavior of intact and fractured rock under in-situ stress and saturation conditions. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 153, 104491.	4.8	8
9	Physics-informed deep learning for prediction of CO2 storage site response. <i>Journal of Contaminant Hydrology</i> , 2021, 241, 103835.	3.3	26
10	Interpreting Impact Echo Data to Predict Condition Rating of Concrete Bridge Decks: A Machine-Learning Approach. <i>Journal of Bridge Engineering</i> , 2021, 26, .	2.9	13
11	Nonlinear resonance ultrasonic spectroscopy (NRUS) for the quality control of additively manufactured samples. <i>NDT and E International</i> , 2021, 123, 102495.	3.7	10
12	Imaging Elastodynamic and Hydraulic Properties of In Situ Fractured Rock: An Experimental Investigation Exploring Effects of Dynamic Stressing and Shearing. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021521.	3.4	2
13	An integrated analytical and experimental study of contact acoustic nonlinearity at rough interfaces of fatigue cracks. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 135, 103769.	4.8	13
14	Dynamic Stressing of Naturally Fractured Rocks: On the Relation Between Transient Changes in Permeability and Elastic Wave Velocity. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL083557.	4.0	19
15	Shear-Actuation and Vibrometer Reception of Penetrating Ultrasonic Guided Wave Modes in Human Tibia. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8397.	2.5	1
16	Single-Impact Nonlinear Resonant Acoustic Spectroscopy for Monitoring the Progressive Alkali-Silica Reaction in Concrete. <i>Journal of Nondestructive Evaluation</i> , 2019, 38, 1.	2.4	10
17	A data-driven approach to construct a quantitative relationship between microstructural features of fatigue cracks and contact acoustic nonlinearity. <i>AIP Advances</i> , 2019, 9, .	1.3	4
18	Long-Time Relaxation Induced by Dynamic Forcing in Geomaterials. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5003-5013.	3.4	20

#	ARTICLE	IF	CITATIONS
19	Clamping Resonators for Low-Frequency S0 Lamb Wave Reflection. Applied Sciences (Switzerland), 2019, 9, 257.	2.5	6
20	Characterizing Acoustic Signals and Searching for Precursors during the Laboratory Seismic Cycle Using Unsupervised Machine Learning. Seismological Research Letters, 2019, 90, 1088-1098.	1.9	38
21	Dynamic Acousto-Elastic Testing. , 2019, , 509-546.		1
22	Nonlinear relaxation in geomaterials: New results. Proceedings of Meetings on Acoustics, 2018, , .	0.3	3
23	Dynamic acousto-elastic response of single fatigue cracks with different microstructural features: An experimental investigation. Journal of Applied Physics, 2018, 124, .	2.5	27
24	Monitoring the Carbonation-Induced Microcracking in Alkali-Activated Slag (AAS) by Nonlinear Resonant Acoustic Spectroscopy (NRAS). Advances in Civil Engineering Materials, 2018, 7, 576-598.	0.6	6
25	Impact-Based Nonlinear Acoustic Testing for Characterizing Distributed Damage in Concrete. Journal of Nondestructive Evaluation, 2017, 36, 1.	2.4	25
26	Dynamic acousto-elastic testing of concrete with a coda-wave probe: comparison with standard linear and nonlinear ultrasonic techniques. Ultrasonics, 2017, 81, 59-65.	3.9	42
27	Slow dynamics of consolidated granular systems: Multi-scale relaxation. Applied Physics Letters, 2017, 111, .	3.3	39
28	Decision-Level Fusion of Spatially Scattered Multi-Modal Data for Nondestructive Inspection of Surface Defects. Sensors, 2016, 16, 105.	3.8	9
29	Frequency, pressure, and strain dependence of nonlinear elasticity in Berea Sandstone. Geophysical Research Letters, 2016, 43, 3226-3236.	4.0	38
30	Clustering Based Multi Sensor Data Fusion for Honeycomb Detection in Concrete. Journal of Nondestructive Evaluation, 2015, 34, 1.	2.4	14
31	A set of measures for the systematic classification of the nonlinear elastic behavior of disparate rocks. Journal of Geophysical Research: Solid Earth, 2015, 120, 1587-1604.	3.4	70
32	Nonlinear Resonant Ultrasonic Spectroscopy (NRUS) for Monitoring Fatigue Crack Growth in Aluminum. Research in Nondestructive Evaluation, 0, , 1-13.	1.1	3