# Parisa Shokouhi

List of Publications by Year
in descending order

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|---|---|---|---|
| **32**<br>papers | **496**<br>citations | 759233<br>**12**<br>h-index | 713466<br>**21**<br>g-index |
| **33**<br>all docs | **33**<br>docs citations | **33**<br>times ranked | **363**<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Slow dynamics of consolidated granular systems: Multi-scale relaxation. Applied Physics Letters, 2017, 111, . | 3.3 | 39 |
| 4 | Frequency, pressure, and strain dependence of nonlinear elasticity in Berea Sandstone. Geophysical Research Letters, 2016, 43, 3226-3236. | 4.0 | 38 |
| 5 | 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 |
| 6 | Dynamic acousto-elastic response of single fatigue cracks with different microstructural features: An experimental investigation. Journal of Applied Physics, 2018, 124, . | 2.5 | 27 |
| 7 | Physics-informed deep learning for prediction of $CO_2$ storage site response. Journal of Contaminant Hydrology, 2021, 241, 103835. | 3.3 | 26 |
| 8 | Impact-Based Nonlinear Acoustic Testing for Characterizing Distributed Damage in Concrete. Journal of Nondestructive Evaluation, 2017, 36, 1. | 2.4 | 25 |
| 9 | Long–Time Relaxation Induced by Dynamic Forcing in Geomaterials. Journal of Geophysical Research: Solid Earth, 2019, 124, 5003-5013. | 3.4 | 20 |
| 10 | Dynamic Stressing of Naturally Fractured Rocks: On the Relation Between Transient Changes in Permeability and Elastic Wave Velocity. Geophysical Research Letters, 2020, 47, e2019GL083557. | 4.0 | 19 |
| 11 | Deep Learning Can Predict Laboratory Quakes From Active Source Seismic Data. Geophysical Research Letters, 2021, 48, e2021GL093187. | 4.0 | 16 |
| 12 | Clustering Based Multi Sensor Data Fusion for Honeycomb Detection in Concrete. Journal of Nondestructive Evaluation, 2015, 34, 1. | 2.4 | 14 |
| 13 | An integrated analytical and experimental study of contact acoustic nonlinearity at rough interfaces of fatigue cracks. Journal of the Mechanics and Physics of Solids, 2020, 135, 103769. | 4.8 | 13 |
| 14 | Interpreting Impact Echo Data to Predict Condition Rating of Concrete Bridge Decks: A Machine-Learning Approach. Journal of Bridge Engineering, 2021, 26, . | 2.9 | 13 |
| 15 | Single-Impact Nonlinear Resonant Acoustic Spectroscopy for Monitoring the Progressive Alkali–Silica Reaction in Concrete. Journal of Nondestructive Evaluation, 2019, 38, 1. | 2.4 | 10 |
| 16 | Nonlinear resonance ultrasonic spectroscopy (NRUS) for the quality control of additively manufactured samples. NDT and E International, 2021, 123, 102495. | 3.7 | 10 |
| 17 | Decision-Level Fusion of Spatially Scattered Multi-Modal Data for Nondestructive Inspection of Surface Defects. Sensors, 2016, 16, 105. | 3.8 | 9 |
| 18 | Nonlinear elastodynamic behavior of intact and fractured rock under in-situ stress and saturation conditions. Journal of the Mechanics and Physics of Solids, 2021, 153, 104491. | 4.8 | 8 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 19 | Identification of long-range ultrasonic guided wave characteristics in cortical bone by modelling. Ultrasonics, 2021, 114, 106407. | 3.9 | 7 |
| 20 | Clamping Resonators for Low-Frequency S0 Lamb Wave Reflection. Applied Sciences (Switzerland), 2019, 9, 257. | 2.5 | 6 |
| 21 | Control of low-frequency Lamb wave propagation in plates by boundary condition manipulation. Journal of Applied Physics, 2021, 129, 094903. | 2.5 | 6 |
| 22 | 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 |
| 23 | Effect of relative humidity on the nonlinear elastic response of granular media. Journal of Applied Physics, 2022, 131, 055101. | 2.5 | 6 |
| 24 | The High‑Frequency Signature of Slow and Fast Laboratory Earthquakes. Journal of Geophysical Research: Solid Earth, 2022, 127, . | 3.4 | 6 |
| 25 | Control of Rayleigh wave propagation through imposing Mindlin boundary conditions on the surface. Journal of Sound and Vibration, 2022, 530, 116931. | 3.9 | 5 |
| 26 | A data-driven approach to construct a quantitative relationship between microstructural features of fatigue cracks and contact acoustic nonlinearity. AIP Advances, 2019, 9, . | 1.3 | 4 |
| 27 | Nonlinear relaxation in geomaterials: New results. Proceedings of Meetings on Acoustics, 2018, , . | 0.3 | 3 |
| 28 | Experimental Investigation of Elastodynamic Nonlinear Response of Dry Intact, Fractured and Saturated Rock. Rock Mechanics and Rock Engineering, 2022, 55, 2665-2678. | 5.4 | 3 |
| 29 | Nonlinear Resonant Ultrasonic Spectroscopy (NRUS) for Monitoring Fatigue Crack Growth in Aluminum. Research in Nondestructive Evaluation, 0, , 1-13. | 1.1 | 3 |
| 30 | Imaging Elastodynamic and Hydraulic Properties of In Situ Fractured Rock: An Experimental Investigation Exploring Effects of Dynamic Stressing and Shearing. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021521. | 3.4 | 2 |
| 31 | Dynamic Acousto-Elastic Testing. , 2019, , 509-546. | | 1 |
| 32 | Shear-Actuation and Vibrometer Reception of Penetrating Ultrasonic Guided Wave Modes in Human Tibia. Applied Sciences (Switzerland), 2020, 10, 8397. | 2.5 | 1 |