# Hashem Shariatmadar

## List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 26<br>papers | 694<br>citations | 567281<br>15<br>h-index | 580821<br>25<br>g-index |
| 27<br>all docs | 27<br>docs citations | 27<br>times ranked | 412<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | An unsupervised learning approach by novel damage indices in structural health monitoring for damage localization and quantification. Structural Health Monitoring, 2018, 17, 325-345. | 7.5 | 100 |
| 2 | Data-driven damage diagnosis under environmental and operational variability by novel statistical pattern recognition methods. Structural Health Monitoring, 2019, 18, 1416-1443. | 7.5 | 64 |
| 3 | Enhancement of seismic performance of beam-column joint connections using high performance fiber reinforced cementitious composites. Construction and Building Materials, 2018, 180, 665-680. | 7.2 | 56 |
| 4 | Early damage assessment in large-scale structures by innovative statistical pattern recognition methods based on time series modeling and novelty detection. Advances in Engineering Software, 2020, 150, 102923. | 3.8 | 54 |
| 5 | Fast unsupervised learning methods for structural health monitoring with large vibration data from dense sensor networks. Structural Health Monitoring, 2020, 19, 1685-1710. | 7.5 | 49 |
| 6 | Strengthening and rehabilitation of exterior RC beam–column joints using carbon-FRP jacketing. Materials and Structures/Materiaux Et Constructions, 2016, 49, 5067-5083. | 3.1 | 44 |
| 7 | Structural health monitoring by a new hybrid feature extraction and dynamic time warping methods under ambient vibration and non-stationary signals. Measurement: Journal of the International Measurement Confederation, 2019, 134, 548-568. | 5.0 | 41 |
| 8 | Damage localization under ambient excitations and non-stationary vibration signals by a new hybrid algorithm for feature extraction and multivariate distance correlation methods. Structural Health Monitoring, 2019, 18, 347-375. | 7.5 | 38 |
| 9 | Structural damage detection by a new iterative regularization method and an improved sensitivity function. Journal of Sound and Vibration, 2017, 399, 285-307. | 3.9 | 36 |
| 10 | Non-parametric empirical machine learning for short-term and long-term structural health monitoring. Structural Health Monitoring, 2022, 21, 2700-2718. | 7.5 | 29 |
| 11 | Seismic control response of structures using an ATMD with fuzzy logic controller and PSO method. Structural Engineering and Mechanics, 2014, 51, 547-564. | 1.0 | 27 |
| 12 | Seismic Behavior of High-Performance Fiber-Reinforced Cement Composites Beam-Column Connection with High Damage Tolerance. International Journal of Concrete Structures and Materials, 2019, 13, . | 3.2 | 22 |
| 13 | Damage detection in structural systems by improved sensitivity of modal strain energy and Tikhonov regularization method. International Journal of Dynamics and Control, 2014, 2, 509-520. | 2.5 | 17 |
| 14 | An iterative order determination method for time-series modeling in structural health monitoring. Advances in Structural Engineering, 2018, 21, 300-314. | 2.4 | 17 |
| 15 | Seismic response modification factor for steel slit panel-frames. Engineering Structures, 2019, 181, 427-436. | 5.3 | 17 |
| 16 | Damage Detection in Largely Unobserved Structures under Varying Environmental Conditions: An AutoRegressive Spectrum and Multi-Level Machine Learning Methodology. Sensors, 2022, 22, 1400. | 3.8 | 14 |
| 17 | Seismic control of buildings with active tuned mass damper through interval type-2 fuzzy logic controller including soil–structure interaction. Asian Journal of Civil Engineering, 2018, 19, 177-188. | 1.6 | 13 |
| 18 | Structural Health Monitoring for Condition Assessment Using Efficient Supervised Learning Techniques. Proceedings (mdpi), 2020, 42, 17. | 0.2 | 12 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Condition Assessment of Civil Structures for Structural Health Monitoring Using Supervised Learning Classification Methods. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 51-66. | 1.9 | 11 |
| 20 | Damage detection by updating structural models based on linear objective functions. Journal of Civil Structural Health Monitoring, 2014, 4, 165-176. | 3.9 | 9 |
| 21 | Hybrid active control of adjacent buildings interconnected by viscous dampers utilizing type-2 fuzzy controller considering soil-structure interaction. Structures, 2021, 33, 292-306. | 3.6 | 9 |
| 22 | Simplification through regression analysis on the dynamic response of plates with arbitrary boundary conditions excited by moving inertia load. Applied Mathematical Modelling, 2020, 79, 594-623. | 4.2 | 7 |
| 23 | An improvement on feature extraction via time series modeling for structural health monitoring based on unsupervised learning methods. Scientia Iranica, 2018, . | 0.4 | 5 |
| 24 | Damage localization in shear buildings by direct updating of physical properties. International Journal of Advanced Structural Engineering, 2014, 6, 1-12. | 1.3 | 1 |
| 25 | The Effects of MTMD and HBI on the Performance of a Benchmark Building Against Near-Field Earthquakes Using Fuzzy Logic. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 0, , 1. | 1.9 | 1 |
| 26 | Repair and retrofitting of external RC beam-to-column joints using the hybrid NSMÂ+ÂEBR method. Engineering Structures, 2022, 263, 114370. | 5.3 | 1 |