Hashem Shariatmadar

List of Publications by Year
in descending order

26	694	567281 15	580821 25
papers	citations	h-index	g-index

27	27	27	412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Non-parametric empirical machine learning for short-term and long-term structural health monitoring. Structural Health Monitoring, 2022, 21, 2700-2718.	7.5	29
3	Repair and retrofitting of external RC beam-to-column joints using the hybrid NSMÂ+ÂEBR method. Engineering Structures, 2022, 263, 114370.	5.3	1
4	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
5	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
6	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
7	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
8	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
9	Structural Health Monitoring for Condition Assessment Using Efficient Supervised Learning Techniques. Proceedings (mdpi), 2020, 42, 17.	0.2	12
10	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
11	Seismic response modification factor for steel slit panel-frames. Engineering Structures, 2019, 181, 427-436.	5.3	17
12	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
13	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
14	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
15	Seismic control of buildings with active tuned mass damper through interval type-2 fuzzy logic controller including soilâ€“structure interaction. Asian Journal of Civil Engineering, 2018, 19, 177-188.	1.6	13
16	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
17	An iterative order determination method for time-series modeling in structural health monitoring. Advances in Structural Engineering, 2018, 21, 300-314.	2.4	17
18	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

#	Article	IF	Citations
19	An improvement on feature extraction via time series modeling for structural health monitoring based on unsupervised learning methods. Scientia Iranica, 2018, .	0.4	5
20	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
21	Strengthening and rehabilitation of exterior RC beamâ€“column joints using carbon-FRP jacketing. Materials and Structures/Materiaux Et Constructions, 2016, 49, 5067-5083.	3.1	44
22	Damage detection by updating structural models based on linear objective functions. Journal of Civil Structural Health Monitoring, 2014, 4, 165-176.	3.9	9
23	Damage localization in shear buildings by direct updating of physical properties. International Journal of Advanced Structural Engineering, 2014, 6, 1-12.	1.3	1
24	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
25	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
26	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