

Seyed Bahram Beheshti Aval

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

325
citations

933264

10
h-index

839398

18
g-index

23
all docs

23
docs citations

23
times ranked

184
citing authors

#	ARTICLE	IF	CITATIONS
1	A refined high-order global-local theory for finite element bending and vibration analyses of laminated composite beams. <i>Acta Mechanica</i> , 2011, 217, 219-242.	1.1	59
2	A coupled refined high-order global-local theory and finite element model for static electromechanical response of smart multilayered/sandwich beams. <i>Archive of Applied Mechanics</i> , 2012, 82, 1709-1752.	1.2	35
3	Coupled refined layerwise theory for dynamic free and forced response of piezoelectric laminated composite and sandwich beams. <i>Meccanica</i> , 2013, 48, 1479-1500.	1.2	32
4	A refined mixed global-local finite element model for bending analysis of multi-layered rectangular composite beams with small widths. <i>Thin-Walled Structures</i> , 2011, 49, 351-362.	2.7	29
5	New energy based approach to predict seismic demands of steel moment resisting frames subjected to near-fault ground motions. <i>Engineering Structures</i> , 2014, 72, 182-192.	2.6	19
6	Seismic performance-based assessment of tunnel form building subjected to near- and far-fault ground motions. <i>Asian Journal of Civil Engineering</i> , 2018, 19, 79-92.	0.8	19
7	Damage detection of structures using signal processing and artificial neural networks. <i>Advances in Structural Engineering</i> , 2020, 23, 884-897.	1.2	18
8	A hybrid friction-yielding damper to equip concentrically braced steel frames. <i>International Journal of Steel Structures</i> , 2013, 13, 577-587.	0.6	17
9	Visible Particle Series Search Algorithm and Its Application in Structural Damage Identification. <i>Sensors</i> , 2022, 22, 1275.	2.1	15
10	A Novel MRE Adaptive Seismic Isolator Using Curvelet Transform Identification. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11409.	1.3	11
11	Joint Damage Identification in Frame Structures by Integrating a New Damage Index with Equilibrium Optimizer Algorithm. <i>International Journal of Structural Stability and Dynamics</i> , 2022, 22, .	1.5	11
12	Effectiveness of two conventional methods for seismic retrofit of steel and RC moment resisting frames based on damage control criteria. <i>Earthquake Engineering and Engineering Vibration</i> , 2017, 16, 537-555.	1.1	10
13	A Novel Optimization Algorithm Based on Modal Force Information for Structural Damage Identification. <i>International Journal of Structural Stability and Dynamics</i> , 2021, 21, 2150100.	1.5	10
14	Seismic Performance Evaluation of Asymmetric Reinforced Concrete Tunnel Form Buildings. <i>Structures</i> , 2017, 10, 157-169.	1.7	8
15	Combined joint and member damage identification of skeletal structures by an improved biology migration algorithm. <i>Journal of Civil Structural Health Monitoring</i> , 2020, 10, 357-375.	2.0	8
16	Seismic reliability assessment of a steel moment-resisting frame with two different ductility levels using a cloud analysis approach. <i>Earthquake Engineering and Engineering Vibration</i> , 2019, 18, 171-185.	1.1	7
17	A damage detection procedure using two major signal processing techniques with the artificial neural network on a scaled jacket offshore platform. <i>Advances in Structural Engineering</i> , 2021, 24, 1655-1667.	1.2	6
18	Simultaneous effect of temperature, shrinkage, and self-weight creep on RC beams: A case study. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2022, 236, 1020-1036.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Epistemic Uncertainty Treatment Using Group Method of Data Handling Algorithm in Seismic Collapse Fragility. Latin American Journal of Solids and Structures, 2021, 18, .	0.6	3
20	Damage Detection of Offshore Platforms Using Dispersion Analysis in HHT Frequency Spectrum. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 0, , 1-32.	0.4	2
21	Proposing a Novel Oriented Genetic Algorithm for Optimum Seismic Design of Steel Moment Resisting Frames. Arabian Journal for Science and Engineering, 0, , .	1.7	1
22	Time-Dependent Reliability Analysis of RC Deep Beams considering Linear/Nonlinear Creep and Shrinkage Using ANFIS Network and MCS. Advances in Civil Engineering, 2019, 2019, 1-15.	0.4	0
23	Numerical Study of Cyclic Performance and Design of a Novel Fan Bracing System. Journal of Earthquake Engineering, 0, , 1-30.	1.4	0