Homayoon E Estekanchi

List of Publications by Year
in descending order

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58 papers	1,466 citations	279701 23 h-index	360920 35 g-index
58 all docs	58 docs citations	58 times ranked	444 citing authors

#	Article	IF	Citations
1	Application of Endurance Time method in linear seismic analysis. Engineering Structures, 2007, 29, 2551-2562.	2.6	121
2	Performance-based seismic assessment of steel frames using endurance time analysis. Engineering Structures, 2014, 69, 216-234.	2.6	79
3	Application of endurance time method in performance-based optimum design of structures. Structural Safety, 2015, 56, 52-67.	2.8	72
4	Seismic assessment of steel frames with the endurance time method. Journal of Constructional Steel Research, 2010, 66, 780-792.	1.7	66
5	On the buckling of cylindrical shells with through cracks under axial load. Thin-Walled Structures, 1999, 35, 255-274.	2.7	60
6	Experimental and analytical study of Block Slit Damper. Journal of Constructional Steel Research, 2018, 141, 167-178.	1.7	59
7	Buckling of cracked cylindrical thin shells under combined internal pressure and axial compression. Thin-Walled Structures, 2006, 44, 141-151.	2.7	54
8	Application of endurance time method in seismic assessment of steel frames. Engineering Structures, 2011, 33, 2535-2546.	2.6	54
9	Development of hysteretic energy compatible endurance time excitations and its application. Engineering Structures, 2018, 177, 753-769.	2.6	45
10	Parametric instability of edge cracked plates. Thin-Walled Structures, 2002, 40, 29-44.	2.7	40
11	A state-of-knowledge review on the endurance time method. Structures, 2020, 27, 2288-2299.	1.7	40
12	A parametric finite element study of cracked plates and shells. Thin-Walled Structures, 1999, 33, 211-229.	2.7	39
13	Estimating structural damage of steel moment frames by Endurance Time method. Journal of Constructional Steel Research, 2008, 64, 145-155.	1.7	37
14	Optimal damper placement in steel frames by the Endurance Time method. Structural Design of Tall and Special Buildings, 2011, 20, 612-630.	0.9	36
15	Seismic analysis of steel liquid storage tanks by Endurance Time method. Thin-Walled Structures, 2012, 50, 14-23.	2.7	31
16	Seismic behaviour of offcentre bracing systems. Journal of Constructional Steel Research, 1999, 51, 177-196.	1.7	29
17	Endurance Wave Analysis (EWA) and its application for assessment of offshore structures under extreme waves. Applied Ocean Research, 2012, 37, 98-110.	1.8	29
18	On the characteristics of an off-centre bracing system. Journal of Constructional Steel Research, 1995, 35, 361-376.	1.7	28

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19	Application of the endurance time method in seismic analysis of concrete gravity dams. Scientia Iranica, 2011, 18, 326-337.	0.3	27
20	Improved methodology for endurance time analysis: From time to seismic hazard return period. Scientia Iranica, 2012, 19, 1180-1187.	0.3	27
21	Performance-Based Seismic Retrofitting of Steel Frames by the Endurance Time Method. Earthquake Spectra, 2015, 31, 383-402.	1.6	27
22	On optimal proportions of structural member cross-sections to achieve best seismic performance using value based seismic design approach. Engineering Structures, 2021, 231, 111751.	2.6	27
23	Value based seismic design of structures using performance assessment by the endurance time method. Structure and Infrastructure Engineering, 2020, 16, 1397-1415.	2.0	26
24	Simulation of Cumulative Absolute Velocity Consistent Endurance Time Excitations. Journal of Earthquake Engineering, 2021, 25, 892-917.	1.4	26
25	An investigation on the interaction of momentâ€resisting frames and shear walls in <scp>RC</scp> dual systems using endurance time method. Structural Design of Tall and Special Buildings, 2018, 27, e1489.	0.9	25
26	Predicting probabilistic distribution functions of response parameters using the endurance time method. Structural Design of Tall and Special Buildings, 2019, 28, e1553.	0.9	25
27	Optimum placement of supplementary viscous dampers for seismic rehabilitation of steel frames considering soilâ€“structure interaction. Structural Design of Tall and Special Buildings, 2020, 29, e1682.	0.9	23
28	Application of rigid-perfectly plastic spectra in improved seismic response assessment by Endurance Time method. Engineering Structures, 2016, 111, 24-35.	2.6	22
29	Endurance Time Method-Application in Nonlinear Seismic Analysis of Single Degree of Freedom Systems. Journal of Applied Sciences, 2009, 9, 1817-1832.	0.1	18
30	Seismic assessment of unanchored steel storage tanks by endurance time method. Earthquake Engineering and Engineering Vibration, 2011, 10, 591-603.	1.1	18
31	Probabilistic seismic loss estimation via endurance time method. Earthquake Engineering and Engineering Vibration, 2017, 16, 233-245.	1.1	18
32	Life cycle cost optimization of earthquake-resistant steel framed tube tall buildings. Structures, 2021, 30, 585-601.	1.7	17
33	Development of an alternative PSOâ€based algorithm for simulation of endurance time excitation functions. Engineering Reports, 2019, 1, e12048.	0.9	15
34	An analytical-numerical solution to assess the dynamic response of viscoelastic plates to a moving mass. Applied Mathematical Modelling, 2018, 54, 670-696.	2.2	14
35	An evolutionary optimization-based approach for simulation of endurance time load functions. Engineering Optimization, 2019, 51, 2069-2088.	1.5	14
36	Application of Endurance Time Analysis in Seismic Evaluation of an Unreinforced Masonry Monument. Journal of Earthquake Engineering, 2017, 21, 181-202.	1.4	13

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37	Incorporation of strong motion duration in incremental-based seismic assessments. Engineering Structures, 2020, 223, 111144.	2.6	13
38	Simulation of Endurance Time Excitations via Wavelet Transform. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 429-443.	1.0	12
39	Application of Endurance Time Method in Nonlinear Seismic Analysis of Steel Frames. Procedia Engineering, 2011, 14, 3237-3244.	1.2	11
40	Introducing a response-based duration metric and its correlation with structural damages. Bulletin of Earthquake Engineering, 2019, 17, 5987-6008.	2.3	11
41	Seismic evaluation of steel plate shear wall systems considering soil-structure interaction. Soil Dynamics and Earthquake Engineering, 2021, 145, 106738.	1.9	11
42	Efficient seismic risk assessment of irregular steelâ€framed buildings through endurance time analysis of consistent fishâ€bone model. Structural Design of Tall and Special Buildings, 2022, 31, e1901.	0.9	11
43	Optimum seismic design of steel framedâ€tube and tubeâ€inâ€tube tall buildings. Structural Design of Tall and Special Buildings, 2020, 29, e1782.	0.9	10
44	Quantifying seismic response uncertainty of electrical substation structures using endurance time method. Structures, 2021, 30, 838-849.	1.7	10
45	Endurance time method for multi-component analysis of steel elastic moment frames. Scientia Iranica, 2011, 18, 139-149.	0.3	9
46	Compatibility of the endurance time method with codified seismic analysis approaches on threeâ€dimensional analysis of steel frames. Structural Design of Tall and Special Buildings, 2013, 22, 144-164.	0.9	9
47	Damage Estimation of Steel Moment-Resisting Frames by Endurance Time Method Using Damage-Based Target Time. Journal of Earthquake Engineering, 2018, 22, 1806-1835.	1.4	9
48	Nonlinear Seismic Assessment of Arch Dams and Investigation of Joint Behavior Using Endurance Time Analysis Method. Arabian Journal for Science and Engineering, 2014, 39, 3599-3615.	1.1	8
49	Seismic performance evaluation of jacket-type offshore platforms using endurance time method considering soil-pile-superstructure interaction. Scientia Iranica, 2017, 24, 1843-1854.	0.3	8
50	Experimental study of prefabricated funicular shell units. Engineering Structures, 1997, 19, 748-759.	2.6	5
51	Estimating seismic demand parameters using the endurance time method. Journal of Zhejiang University: Science A, 2011, 12, 616-626.	1.3	5
52	Seismic Performance Assessment of SMRF Structures Subjected to Mainshock-Aftershock Seismic Sequences by Endurance Time Method. Journal of Earthquake Engineering, 2022, 26, 3281-3299.	1.4	5
53	Consistent one-bay frame simplified model for efficient seismic evaluation of steel moment frame buildings with equal and unequal bay lengths. Structures, 2021, 34, 3345-3362.	1.7	5
54	Development of consistent fish-bone simplified model with energy-based approach for efficient seismic evaluation of irregular steel moment resisting frames. Soil Dynamics and Earthquake Engineering, 2022, 161, 107219.	1.9	5

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55	A method for matching response spectra of endurance time excitations via the Fourier transform. Earthquake Engineering and Engineering Vibration, 2020, 19, 637-648.	1.1	3
56	Seismic damage and life cycle cost assessment of unanchored brick masonry veneers. Engineering Structures, 2022, 260, 114187.	2.6	3
57	Evaluation of the EDR Performance in Seismic Control of Steel Structures Using Endurance Time Method. Scientia Iranica, 2016, 23, 827-841.	0.3	2
58	Seismic response of infilled steel braced frames by endurance time analysis. Asian Journal of Civil Engineering, 2020, 21, 611-624.	0.8	0