Ahmad M Itani

List of Publications by Citations

53 papers	847 citations	18 h-index	28 g-index
55 ext. papers	949 ext. citations	2.6 avg, IF	4.31 L-index

#	Paper	IF	Citations
53	Cyclic response of plate steels under large inelastic strains. *Journal of Constructional Steel Research*, **2007**, 63, 156-164	3.8	111
52	Cyclic Behavior of Shear Links of Various Grades of Plate Steel. *Journal of Structural Engineering*, **2010**, 136, 370-378	3	75
51	Pilot Study of Behavior of Concrete Beams Reinforced with Shape Memory Alloys. *Journal of Materials in Civil Engineering*, **2007**, 19, 454-461	3	72
50	Floor Accelerations in Yielding Special Moment Resisting Frame Structures. *Earthquake Spectra*, **2013**, 29, 987-1002	3.4	48
49	Seismic Performance of Steel Girder Bridges with Ductile Cross Frames Using Buckling-Restrained Braces. *Journal of Structural Engineering*, **2006**, 132, 338-345	3	39
48	Shake Table Studies and Analysis of a PT-UHPC Bridge Column with Pocket Connection. *Journal of Structural Engineering*, **2018**, 144, 04018021	3	34
47	Seismic-Resistant Special Truss-Moment Frames. *Journal of Structural Engineering*, **1994**, 120, 1781-1797	3	33
46	Enhancing seismic resilience using truss girder frame systems with supplemental devices. *Journal of Constructional Steel Research*, **2014**, 94, 23-32	3.8	28
45	Seismic Performance of Steel Girder Bridges with Ductile Cross Frames Using Single Angle X Braces. *Journal of Structural Engineering*, **2006**, 132, 329-337	3	25
44	Seismic Performance and Response of Seismically Isolated Curved Steel I-Girder Bridge. *Journal of Structural Engineering*, **2016**, 142, 04016121	3	25
43	Damage avoidance design of special truss moment frames with energy dissipating devices. *Journal of Constructional Steel Research*, **2009**, 65, 1374-1384	3.8	24
42	Experimental and Analytical Studies of Hospital Piping Assemblies Subjected to Seismic Loading. *Earthquake Spectra*, **2012**, 28, 367-384	3.4	24
41	Seismic Behavior of Steel Girder Bridge Superstructures. *Journal of Bridge Engineering*, **2004**, 9, 243-249	2.7	23
40	Analytical Fragility Functions for Horizontally Curved Steel I-Girder Highway Bridges. *Earthquake Spectra*, **2015**, 31, 2235-2254	3.4	22
39	Seismic Behavior of Open-Web Truss-Moment Frames. *Journal of Structural Engineering*, **1994**, 120, 1763-1780	3	21
38	Shake Table Studies and Analysis of a Precast Two-Column Bent with Advanced Materials and Pocket Connections. *Journal of Bridge Engineering*, **2018**, 23, 04018046	2.7	21
37	Performance of a large-scale magnetorheological elastomer-based vibration isolator for highway bridges. *Journal of Intelligent Material Systems and Structures*, **2018**, 29, 3890-3901	2.3	19

36	Analytical Modeling of Horizontally Curved Steel Girder Highway Bridges for Seismic Analysis. *Journal of Earthquake Engineering*, **2015**, 19, 220-248	1.8	18
35	Impact of column-to-beam strength ratio on the seismic response of steel MRFs. *Bulletin of Earthquake Engineering*, **2015**, 13, 635-652	3.7	15
34	Design, Construction, and Shake Table Testing of a Steel Girder Bridge System with ABC Connections. *Journal of Bridge Engineering*, **2019**, 24, 04019088	2.7	15
33	Influence of earthquake ground motion incoherency on multi-support structures. *Earthquake Engineering and Engineering Vibration*, **2002**, 1, 167-180	2	15
32	Response of a 2-story test-bed structure for the seismic evaluation of nonstructural systems. *Earthquake Engineering and Engineering Vibration*, **2016**, 15, 19-29	2	15
31	Analytical Fragility Curves for a Class of Horizontally Curved Box-Girder Bridges. *Journal of Earthquake Engineering*, **2018**, 22, 881-901	1.8	13
30	Experimental Studies on Seismic Response of Skew Bridges with Seat-Type Abutments. II: Results. *Journal of Bridge Engineering*, **2019**, 24, 04019097	2.7	12
29	Finite element investigation of steel built-up shear links subjected to inelastic deformations. *Earthquake Engineering and Engineering Vibration*, **2004**, 3, 195-203	2	12
28	Experimental Studies on Seismic Response of Skew Bridges with Seat-Type Abutments. I: Shake Table Experiments. *Journal of Bridge Engineering*, **2019**, 24, 04019096	2.7	10
27	Seismic Analysis and Design of Modern Steel Highway Connectors. *Earthquake Spectra*, **1996**, 12, 275-296	3.4	10
26	Transverse displacement capacity and stiffness of steel plate girder bridge superstructures for seismic loads. *Journal of Constructional Steel Research*, **2007**, 63, 1546-1559	3.8	9
25	Review of selected recent research on US seismic design and retrofit strategies for steel structures. *Structural Control and Health Monitoring*, **2005**, 7, 103-114		7
24	Analytical evaluation of built-up shear links under large deformations. *Computers and Structures*, **2003**, 81, 681-696	4.5	5
23	Seismic Response of Full and Hybrid Isolated Curved Bridges **2012**,		4
22	Design of a Test-Bed Structure for Shake Table Simulation of the Seismic Performance of Nonstructural Systems **2011**,		4
21	Web Yielding, Crippling, and Lateral Buckling under Post Loading. *Journal of Structural Engineering*, **2007**, 133, 665-673	3	4
20	Development of built-up shear links as energy dissipators for the seismic protection of long-span bridges. *Bridge Structures*, **2005**, 1, 19-27	0.7	4
19	Pretest analysis of shake table response of a two-span steel girder bridge incorporating accelerated bridge construction connections. *Frontiers of Structural and Civil Engineering*, **2020**, 14, 169-184	2.5	4

18	A self-sensing magnetorheological elastomer-based adaptive bridge bearing with a wireless data monitoring system **2016**,		4
17	Seismic performance analysis and assessment of a precast bridge computational model. *DYNA (Colombia)*, **2020**, 87, 80-89	0.6	3
16	Recent Developments in the Seismic Design of Bridges With Steel-Plate Girder Superstructures. *Journal of Earthquake Engineering*, **2010**, 14, 1113-1138	1.8	3
15	Comparison of Seismic Performance of Socket and Pocket Connections for Reinforced Concrete Bridge Column Base Hinges. *Transportation Research Record*, **2020**, 2674, 349-360	1.7	3
14	A large-scale adaptive magnetorheological elastomer-based bridge bearing **2017**,		2
13	Improving the stability of bridge column rebar cages during construction. *Bridge Structures*, **2012**, 8, 49-59	0.7	2
12	Performance of an unprotected steel structure subjected to repeated fire at a firefighter training facility. *Fire Safety Journal*, **2007**, 42, 81-90	3.3	2
11	Fatigue Testing of Double-Angle Connections of Steel Railroad Bridges. *Transportation Research Record*, **1999**, 1688, 46-52	1.7	2
10	Experimental and Analytical Studies of Hospital Piping Assemblies Subjected to Seismic Loading **2011**,		1
9	Flange and web limit states in beams subjected to patch loading. *Journal of Constructional Steel Research*, **2007**, 63, 45-54	3.8	1
8	Seismic Design and Response of Framed Structures with Stiffening Bracing Systems. *Journal of Earthquake Engineering*, **2019**, 23, 625-647	1.8	1
7	Analytical studies and design of steel plate girder ABC bridges under seismic loads. *Engineering Structures*, **2021**, 227, 111453	4.7	1
6	Seismic behavior and design of steel girder bridges with integral abutments. *Bridge Structures*, **2014**, 10, 117-128	0.7	0
5	Large-Scale Biaxial Shake-Table Studies of a Precast Bridge Model. *Journal of Structural Engineering*, **2021**, 147, 04021104	3	0
4	Biaxial Seismic Performance of a Two-Span Concrete Bridge Model with Six ABC Connections. *Journal of Bridge Engineering*, **2021**, 26, 04021056	2.7	0
3	Seismic performance of a two-span steel girder bridge with ABC connections. *Engineering Structures*, **2021**, 241, 112502	4.7	0
2	Closure to "Cyclic Behavior of Shear Links of Various Grades of Plate Steel" by Peter Dusicka, Ahmad M. Itani, and Ian G. Buckle. *Journal of Structural Engineering*, **2012**, 138, 837-838	3	
1	Design of bridge falsework for gravity loads. *Bridge Structures*, **2006**, 2, 155-168	0.7	