

Ahmad M Itani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Analytical studies and design of steel plate girder ABC bridges under seismic loads. <i>Engineering Structures</i> , 2021 , 227, 111453	4.7	1
52	Large-Scale Biaxial Shake-Table Studies of a Precast Bridge Model. <i>Journal of Structural Engineering</i> , 2021 , 147, 04021104	3	0
51	Biaxial Seismic Performance of a Two-Span Concrete Bridge Model with Six ABC Connections. <i>Journal of Bridge Engineering</i> , 2021 , 26, 04021056	2.7	0
50	Seismic performance of a two-span steel girder bridge with ABC connections. <i>Engineering Structures</i> , 2021 , 241, 112502	4.7	0
49	Seismic performance analysis and assessment of a precast bridge computational model. <i>DYNA (Colombia)</i> , 2020 , 87, 80-89	0.6	3
48	Pretest analysis of shake table response of a two-span steel girder bridge incorporating accelerated bridge construction connections. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 169-184	2.5	4
47	Comparison of Seismic Performance of Socket and Pocket Connections for Reinforced Concrete Bridge Column Base Hinges. <i>Transportation Research Record</i> , 2020 , 2674, 349-360	1.7	3
46	Experimental Studies on Seismic Response of Skew Bridges with Seat-Type Abutments. I: Shake Table Experiments. <i>Journal of Bridge Engineering</i> , 2019 , 24, 04019096	2.7	10
45	Experimental Studies on Seismic Response of Skew Bridges with Seat-Type Abutments. II: Results. <i>Journal of Bridge Engineering</i> , 2019 , 24, 04019097	2.7	12
44	Design, Construction, and Shake Table Testing of a Steel Girder Bridge System with ABC Connections. <i>Journal of Bridge Engineering</i> , 2019 , 24, 04019088	2.7	15
43	Seismic Design and Response of Framed Structures with Stiffening Bracing Systems. <i>Journal of Earthquake Engineering</i> , 2019 , 23, 625-647	1.8	1
42	Shake Table Studies and Analysis of a PT-UHPC Bridge Column with Pocket Connection. <i>Journal of Structural Engineering</i> , 2018 , 144, 04018021	3	34
41	Analytical Fragility Curves for a Class of Horizontally Curved Box-Girder Bridges. <i>Journal of Earthquake Engineering</i> , 2018 , 22, 881-901	1.8	13
40	Performance of a large-scale magnetorheological elastomer-based vibration isolator for highway bridges. <i>Journal of Intelligent Material Systems and Structures</i> , 2018 , 29, 3890-3901	2.3	19
39	Shake Table Studies and Analysis of a Precast Two-Column Bent with Advanced Materials and Pocket Connections. <i>Journal of Bridge Engineering</i> , 2018 , 23, 04018046	2.7	21
38	A large-scale adaptive magnetorheological elastomer-based bridge bearing 2017 ,		2
37	Seismic Performance and Response of Seismically Isolated Curved Steel I-Girder Bridge. <i>Journal of Structural Engineering</i> , 2016 , 142, 04016121	3	25

36	Response of a 2-story test-bed structure for the seismic evaluation of nonstructural systems. <i>Earthquake Engineering and Engineering Vibration</i> , 2016 , 15, 19-29	2	15
35	A self-sensing magnetorheological elastomer-based adaptive bridge bearing with a wireless data monitoring system 2016 ,		4
34	Analytical Fragility Functions for Horizontally Curved Steel I-Girder Highway Bridges. <i>Earthquake Spectra</i> , 2015 , 31, 2235-2254	3.4	22
33	Impact of column-to-beam strength ratio on the seismic response of steel MRFs. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 635-652	3.7	15
32	Analytical Modeling of Horizontally Curved Steel Girder Highway Bridges for Seismic Analysis. <i>Journal of Earthquake Engineering</i> , 2015 , 19, 220-248	1.8	18
31	Enhancing seismic resilience using truss girder frame systems with supplemental devices. <i>Journal of Constructional Steel Research</i> , 2014 , 94, 23-32	3.8	28
30	Seismic behavior and design of steel girder bridges with integral abutments. <i>Bridge Structures</i> , 2014 , 10, 117-128	0.7	0
29	Floor Accelerations in Yielding Special Moment Resisting Frame Structures. <i>Earthquake Spectra</i> , 2013 , 29, 987-1002	3.4	48
28	Seismic Response of Full and Hybrid Isolated Curved Bridges 2012 ,		4
27	Improving the stability of bridge column rebar cages during construction. <i>Bridge Structures</i> , 2012 , 8, 49-59	7	2
26	Closure to Cyclic Behavior of Shear Links of Various Grades of Plate Steel by Peter Dusicka, Ahmad M. Itani, and Ian G. Buckle. <i>Journal of Structural Engineering</i> , 2012 , 138, 837-838	3	
25	Experimental and Analytical Studies of Hospital Piping Assemblies Subjected to Seismic Loading. <i>Earthquake Spectra</i> , 2012 , 28, 367-384	3.4	24
24	Design of a Test-Bed Structure for Shake Table Simulation of the Seismic Performance of Nonstructural Systems 2011 ,		4
23	Experimental and Analytical Studies of Hospital Piping Assemblies Subjected to Seismic Loading 2011 ,		1
22	Cyclic Behavior of Shear Links of Various Grades of Plate Steel. <i>Journal of Structural Engineering</i> , 2010 , 136, 370-378	3	75
21	Recent Developments in the Seismic Design of Bridges With Steel-Plate Girder Superstructures. <i>Journal of Earthquake Engineering</i> , 2010 , 14, 1113-1138	1.8	3
20	Damage avoidance design of special truss moment frames with energy dissipating devices. <i>Journal of Constructional Steel Research</i> , 2009 , 65, 1374-1384	3.8	24
19	Performance of an unprotected steel structure subjected to repeated fire at a firefighter training facility. <i>Fire Safety Journal</i> , 2007 , 42, 81-90	3.3	2

18	Flange and web limit states in beams subjected to patch loading. <i>Journal of Constructional Steel Research</i> , 2007 , 63, 45-54	3.8	1
17	Cyclic response of plate steels under large inelastic strains. <i>Journal of Constructional Steel Research</i> , 2007 , 63, 156-164	3.8	111
16	Transverse displacement capacity and stiffness of steel plate girder bridge superstructures for seismic loads. <i>Journal of Constructional Steel Research</i> , 2007 , 63, 1546-1559	3.8	9
15	Web Yielding, Crippling, and Lateral Buckling under Post Loading. <i>Journal of Structural Engineering</i> , 2007 , 133, 665-673	3	4
14	Pilot Study of Behavior of Concrete Beams Reinforced with Shape Memory Alloys. <i>Journal of Materials in Civil Engineering</i> , 2007 , 19, 454-461	3	72
13	Seismic Performance of Steel Girder Bridges with Ductile Cross Frames Using Single Angle X Braces. <i>Journal of Structural Engineering</i> , 2006 , 132, 329-337	3	25
12	Seismic Performance of Steel Girder Bridges with Ductile Cross Frames Using Buckling-Restrained Braces. <i>Journal of Structural Engineering</i> , 2006 , 132, 338-345	3	39
11	Design of bridge falsework for gravity loads. <i>Bridge Structures</i> , 2006 , 2, 155-168	0.7	
10	Development of built-up shear links as energy dissipators for the seismic protection of long-span bridges. <i>Bridge Structures</i> , 2005 , 1, 19-27	0.7	4
9	Review of selected recent research on US seismic design and retrofit strategies for steel structures. <i>Structural Control and Health Monitoring</i> , 2005 , 7, 103-114		7
8	Finite element investigation of steel built-up shear links subjected to inelastic deformations. <i>Earthquake Engineering and Engineering Vibration</i> , 2004 , 3, 195-203	2	12
7	Seismic Behavior of Steel Girder Bridge Superstructures. <i>Journal of Bridge Engineering</i> , 2004 , 9, 243-249	2.7	23
6	Analytical evaluation of built-up shear links under large deformations. <i>Computers and Structures</i> , 2003 , 81, 681-696	4.5	5
5	Influence of earthquake ground motion incoherency on multi-support structures. <i>Earthquake Engineering and Engineering Vibration</i> , 2002 , 1, 167-180	2	15
4	Fatigue Testing of Double-Angle Connections of Steel Railroad Bridges. <i>Transportation Research Record</i> , 1999 , 1688, 46-52	1.7	2
3	Seismic Analysis and Design of Modern Steel Highway Connectors. <i>Earthquake Spectra</i> , 1996 , 12, 275-296	9.4	10
2	Seismic-Resistant Special Truss-Moment Frames. <i>Journal of Structural Engineering</i> , 1994 , 120, 1781-1797	3	33
1	Seismic Behavior of Open-Web Truss-Moment Frames. <i>Journal of Structural Engineering</i> , 1994 , 120, 1763-1780	3	21

