Michael D Engelhardt

List of Publications by Year
in descending order

38 papers	1,049 citations	567281 15 h-index	414414 32 g-index
40 all docs	40 docs citations	40 times ranked	509 citing authors

#	Article	IF	Citations
1	Experimental Study of Local Buckling, Overstrength, and Fracture of Links in Eccentrically Braced Frames. Journal of Structural Engineering, 2005, 131, 1526-1535.	3.4	152
2	Experimental Evaluation of Cyclically Loaded Reduced Beam Section Moment Connections. Journal of Structural Engineering, 2002, 128, 441-451.	3.4	145
3	Experimental Behavior of Bridge Beams Retrofitted with Postinstalled Shear Connectors. Journal of Bridge Engineering, 2011, 16, 536-545.	2.9	96
4	Experimental investigation of link-to-column connections in eccentrically braced frames. Journal of Constructional Steel Research, 2009, 65, 1401-1412.	3.9	56
5	Seismic-resistant steel moment connections: developments since the 1994 Northridge earthquake. Structural Control and Health Monitoring, 1997, 1, 68-77.	0.7	54
6	Prediction of ductile fracture for metal alloys using a shear modified void growth model. Engineering Fracture Mechanics, 2018, 190, 491-513.	4.3	48
7	Experimental Performance of Link-to-Column Connections in Eccentrically Braced Frames. Journal of Structural Engineering, 2006, 132, 1201-1211.	3.4	42
8	High-Temperature Creep Buckling Phenomenon of Steel Columns Subjected to Fire. Journal of Structural Fire Engineering, 2014, 5, 189-202.	0.8	40
9	High Temperature Mechanical Properties of High Strength Structural Steels Q550, Q690 and Q890. Fire Technology, 2018, 54, 1609-1628.	3.0	40
10	Slab Effects in SMRF Retrofit Connection Tests. Journal of Structural Engineering, 2001, 127, 230-237.	3.4	39
11	Retrofit of Pre-Northridge Moment-Resisting Connections. Journal of Structural Engineering, 2000, 126, 445-452.	3.4	32
12	Parametric Studies and Preliminary Design Recommendations on the Use of Postinstalled Shear Connectors for Strengthening Noncomposite Steel Bridges. Journal of Bridge Engineering, 2012, 17, 310-317.	2.9	29
13	True stress-strain curves for ASTM A992 steel for fracture simulation at elevated temperatures. Journal of Constructional Steel Research, 2017, 139, 272-279.	3.9	28
14	Robustness Assessment of Building Structures under Explosion. Buildings, 2012, 2, 497-518.	3.1	26
15	Creep Properties of ASTM A992 Steel at Elevated Temperatures. Advanced Materials Research, 0, 446-449, 786-792.	0.3	22
16	PLASTIC ROTATION CAPACITY OF STEEL BEAM-TO-COLUMN CONNECTIONS USING A REDUCED BEAM SECTION AND NO WELD ACCESS HOLE DESIGN : Full scale tests for improved steel beam-to-column subassemblies-Part 1. Journal of Structural and Construction Engineering, 1999, 64, 177-184.	0.5	21
17	Strengthening Existing Non-Composite Steel Girder Bridges by the Use of Post-Installed Shear Connectors. , 2008, , .		17
18	Net Section Efficiency of Steel Coupons with Power Actuated Fasteners. Journal of Structural Engineering, 2002, 128, 12-21.	3.4	15

#	Article	IF	Citations
19	Behavior of Steelâ€“Concrete Partially Composite Beams Subjected to Fireâ€”Part 1: Experimental Study. Fire Technology, 2017, 53, 1039-1058.	3.0	15
20	Improved Link-to-Column Connections for Steel Eccentrically Braced Frames. Journal of Structural Engineering, 2015, 141, .	3.4	13
21	Behavior of Steelâ€“Concrete Partially Composite Beams Subjected to Fireâ€”Part 2: Analytical Study. Fire Technology, 2017, 53, 1147-1170.	3.0	12
22	Strengthening Bridges by Developing Composite Action in Existing Non-Composite Bridge Girders. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2009, 19, 432-437.	0.8	11
23	Link-to-Column Connection with Supplemental Web Doublers in Eccentrically Braced Frames. Journal of Structural Engineering, 2015, 141, .	3.4	11
24	Nonprismatic Beam Element for Beams with RBS Connections in Steel Moment Frames. Journal of Structural Engineering, 2007, 133, 176-184.	3.4	9
25	Constitutive model for ASTM A992 steel at elevated temperature. International Journal of Steel Structures, 2015, 15, 733-741.	1.3	9
26	Lateral-Torsional Buckling of Singly Symmetric I-Girders with Stepped Flanges. Journal of Structural Engineering, 2020, 146, 04020203.	3.4	9
27	Review of selected recent research on US seismic design and retrofit strategies for steel structures. Structural Control and Health Monitoring, 2005, 7, 103-114.	0.7	7
28	Observations from the Fire and Collapse of the Faculty of Architecture Building, Delft University of Technology. , 2013, , .		6
29	Shakedown Behavior of a Continuous Steel Bridge Girder Strengthened With Post-Installed Shear Connectors. Structures, 2016, 8, 245-251.	3.6	6
30	Simulation of ductile fracture initiation in steels using a stress triaxialityâ€“shear stress coupled model. Acta Mechanica Sinica/Lixue Xuebao, 2019, 35, 600-614.	3.4	6
31	Rate-Dependent Behavior of Transverse Welded Lap Joints at Elevated Temperatures. Journal of Structural Engineering, 2021, 147, 04020317.	3.4	6
32	Directions in structuralâ€fire safety design for steel buildings^a. Japan Architectural Review, 2022, 5, 20-31.	1.1	6
33	Effects of Shear on the Elastic Lateral Torsional Buckling of Doubly Symmetric I-Beams. Journal of Structural Engineering, 2022, 148, .	3.4	6
34	Pre-yielding effects of ASTM A992 steel at elevated temperatures. International Journal of Steel Structures, 2014, 14, 785-795.	1.3	5
35	Critical Review of Test Methods for Mechanical Characterization of Steel for Structural-Fire Engineering Applications. Journal of Structural Engineering, 2020, 146, 04020228.	3.4	3
36	A Technique for Strengthening Existing Continuous Non-Composite Steel Girder Bridges Using Post-Installed Shear Connectors and Inelastic Moment Redistribution. IABSE Symposium Report, 2017, , .	0.0	3

#	Article	IF	Citations
37	Field and computational investigation of elastomeric bearings in high-demand steel girder application. Journal of Constructional Steel Research, 2019, 162, 105758.	3.9	2
38	Ductile Fracture in ASTM A992 Steel Tensile Specimens at Elevated Temperatures. Fire Technology, 2022, 58, 1417-1443.	3.0	2