

Jerome F Hajjar

List of Publications by Year in descending order

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33
papers

906
citations

567281

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35
all docs

35
docs citations

35
times ranked

727
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclic fracture simulation through element deletion in structural steel systems. Journal of Constructional Steel Research, 2022, 189, 107082.	3.9	10
2	Automated Geometric Reconstruction of Partially Occluded Steel Elements from Terrestrial Laser Scanning Data. , 2022, , .		0
3	A Framework for Automated Bridge Inspections and Assessments with Visual Sensing Technology. IABSE Symposium Report, 2022, , .	0.0	0
4	Collapse Fragility Development of Electrical Transmission Towers Subjected to Hurricanes. IABSE Symposium Report, 2022, , .	0.0	0
5	Geometric models from laser scanning data for superstructure components of steel girder bridges. Automation in Construction, 2022, 142, 104484.	9.8	3
6	Towards automated detection and quantification of concrete cracks using integrated images and lidar data from unmanned aerial vehicles. Structural Control and Health Monitoring, 2021, 28, e2757.	4.0	18
7	Automated extraction of structural elements in steel girder bridges from laser point clouds. Automation in Construction, 2021, 125, 103582.	9.8	37
8	Three-dimensional nonlinear displacement-based beam element for members with angle and tee sections. Engineering Structures, 2021, 239, 112239.	5.3	8
9	Three-dimensional nonlinear mixed 6-DOF beam element for thin-walled members. Thin-Walled Structures, 2021, 164, 107817.	5.3	4
10	Structural Performance of Steel Shelf Angles with Thermally Improved Detailing. Journal of Structural Engineering, 2020, 146, 04020218.	3.4	1
11	Using extracted member properties for laser-based surface damage detection and quantification. Structural Control and Health Monitoring, 2020, 27, e2616.	4.0	8
12	Design for Deconstruction Using Sustainable Composite Beams with Precast Concrete Planks and Clamping Connectors. Journal of Structural Engineering, 2020, 146, 04020158.	3.4	8
13	Automated Damage Assessment of Critical Infrastructure Using Online Mapping Technique with Small Unmanned Aircraft Systems. , 2019, , .		2
14	Elastic flexural rigidity of steel-concrete composite columns. Engineering Structures, 2018, 160, 293-303.	5.3	16
15	Towards Automated Post-Disaster Damage Assessment of Critical Infrastructure with Small Unmanned Aircraft Systems. , 2018, , .		9
16	Automated Structural Modelling of Bridges from Laser Scanning. , 2017, , .		14
17	Topology optimization using the p-version of the finite element method. Structural and Multidisciplinary Optimization, 2017, 56, 571-586.	3.5	16
18	Laser-based surface damage detection and quantification using predicted surface properties. Automation in Construction, 2017, 83, 285-302.	9.8	77

#	ARTICLE	IF	CITATIONS
19	Seismic performance factors for moment frames with steel-concrete composite columns and steel beams. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 1685-1703.	4.4	14
20	Wind-wave prediction equations for probabilistic offshore hurricane hazard analysis. <i>Natural Hazards</i> , 2016, 83, 541-562.	3.4	11
21	Stability Analysis and Design of Composite Structures. <i>Journal of Structural Engineering</i> , 2016, 142, .	3.4	25
22	Performance of Nonseismic PTFE Sliding Bearings When Subjected to Seismic Demands. <i>Journal of Bridge Engineering</i> , 2016, 21, .	2.9	13
23	Quasi-Static Cyclic Behavior of Controlled Rocking Steel Frames. <i>Journal of Structural Engineering</i> , 2014, 140, .	3.4	114
24	Hybrid simulation testing of a self-centering rocking steel braced frame system. <i>Earthquake Engineering and Structural Dynamics</i> , 2014, 43, 1725-1742.	4.4	60
25	Full-Scale Tests of Slender Concrete-Filled Tubes: Interaction Behavior. <i>Journal of Structural Engineering</i> , 2014, 140, .	3.4	40
26	Seismic performance of highway bridges with fusing bearing components for quasi-isolation. <i>Earthquake Engineering and Structural Dynamics</i> , 2013, 42, 1375-1394.	4.4	45
27	Data Processing of Point Clouds for Object Detection for Structural Engineering Applications. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2013, 28, 495-508.	9.8	86
28	Shear and Friction Response of Nonseismic Laminated Elastomeric Bridge Bearings Subject to Seismic Demands. <i>Journal of Bridge Engineering</i> , 2013, 18, 612-623.	2.9	74
29	Nonlinear Seismic Analysis of Circular Concrete-Filled Steel Tube Members and Frames. <i>Journal of Structural Engineering</i> , 2012, 138, 1089-1098.	3.4	41
30	Earthquake resilient steel braced frames with controlled rocking and energy dissipating fuses. <i>Steel Construction</i> , 2011, 4, 171-175.	0.8	107
31	Experimental and analytical investigation of bridge timber piles under eccentric loads. <i>Engineering Structures</i> , 2010, 32, 2237-2246.	5.3	16
32	Mixed Finite Element for Three-Dimensional Nonlinear Dynamic Analysis of Rectangular Concrete-Filled Steel Tube Beam-Columns. <i>Journal of Engineering Mechanics - ASCE</i> , 2010, 136, 1329-1339.	2.9	22
33	A Performance-Based Design Approach for Rectangular Concrete-Filled Steel Tube (RCFT) Frames under Seismic Loading. , 2007, , .		5