Walid M K Tizani

List of Publications by Year
in descending order

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67 papers	1,022 citations	430754 18 h-index	434063 31 g-index
74 all docs	74 docs citations	74 times ranked	556 citing authors

#	Article	IF	Citations
1	Experimental and numerical analysis of dynamic compressive response of Nomex honeycombs. Composites Part B: Engineering, 2018, 148, 27-39.	5.9	82
2	Hysteretic performance of a new blind bolted connection to concrete filled columns under cyclic loading: An experimental investigation. Engineering Structures, 2013, 46, 535-546.	2.6	78
3	Rotational stiffness of a blind-bolted connection to concrete-filled tubes using modified Hollo-bolt. Journal of Constructional Steel Research, 2013, 80, 317-331.	1.7	72
4	BIM extension for the sustainability appraisal of conceptual steel design. Advanced Engineering Informatics, 2015, 29, 28-46.	4.0	70
5	Strength and initial stiffness of a blind-bolt connection based on the T-stub model. Engineering Structures, 2010, 32, 2505-2517.	2.6	69
6	Experimental behaviour of a novel anchored blind-bolt in tension. Engineering Structures, 2013, 49, 905-919.	2.6	66
7	Structural sustainability appraisal in BIM. Automation in Construction, 2016, 69, 44-58.	4.8	63
8	Tensile capacity of FRP anchors in connecting FRP and TRM sheets to concrete. Engineering Structures, 2015, 82, 72-81.	2.6	58
9	The practice of blind bolting connections to structural hollow sections: A review. Steel and Composite Structures, 2001, 1, 1-16.	1.3	44
10	Integrated parametric multi-level information and numerical modelling of mechanised tunnelling projects. Advanced Engineering Informatics, 2020, 43, 101011.	4.0	29
11	Fire performance of blind-bolted connections to concrete filled tubular columns in tension. Engineering Structures, 2015, 96, 111-125.	2.6	26
12	Performance of T-Stub to CFT Joints Using Blind Bolts with Headed Anchors. Journal of Structural Engineering, 2015, 141, .	1.7	26
13	A component method model for blind-bolts with headed anchors in tension. Steel and Composite Structures, 2015, 18, 1305-1330.	1.3	24
14	A cantilever approach to estimate bending stiffness of buildings affected by tunnelling. Tunnelling and Underground Space Technology, 2018, 71, 47-61.	3.0	23
15	A review and analysis of testing and modeling practice of extended Hollo-Bolt blind bolt connections. Journal of Constructional Steel Research, 2021, 183, 106763.	1.7	23
16	Experimental and numerical analysis of preload in Extended Hollo-Bolt blind bolts. Journal of Constructional Steel Research, 2021, 186, 106885.	1.7	22
17	Analysis of Extended Hollo-Bolt connections: Combined failure in tension. Journal of Constructional Steel Research, 2020, 165, 105766.	1.7	21
18	Advances and challenges in computing in civil and building engineering. Advanced Engineering Informatics, 2011, 25, 569-572.	4.0	19

#	Article	IF	Citations
19	Seismic performance of reinforced concrete interior beam-column joints with novel reinforcement detail. Engineering Structures, 2021, 227, 111408.	2.6	17
20	Thermal behaviour of blind-bolted connections to hollow and concrete-filled steel tubular columns. Journal of Constructional Steel Research, 2015, 107, 137-149.	1.7	16
21	Fatigue life of an anchored blind-bolt loaded in tension. Journal of Constructional Steel Research, 2014, 93, 1-8.	1.7	15
22	Effect of Concrete Infill and Slenderness on Column-Face Component in Anchored Blind-Bolt Connections. Journal of Structural Engineering, 2020, 146, .	1.7	15
23	The performance of a new blind-bolt for moment-resisting connections. , 2017, , 395-400.		14
24	A component model for column face in bending of extended HolloBolt connections. Journal of Constructional Steel Research, 2021, 182, 106655.	1.7	12
25	Building Information Modelling (BIM)â€”Versioning for Collaborative Design. , 2014, , .		10
26	Particle reinforced thermoplastic foams under quasi-static compression. Mechanics of Materials, 2019, 136, 103081.	1.7	8
27	Ultimate strength and fracture sequence of bolted connections to thin-walled carbon steel. Structures, 2020, 23, 646-659.	1.7	8
28	Blind bolts with headed anchors under combined tension and shear. Journal of Constructional Steel Research, 2021, 179, 106546.	1.7	7
29	Relocating plastic hinges in reinforced concrete beam-column joints by mechanically anchored diagonal bars. Engineering Structures, 2022, 251, 113468.	2.6	7
30	Welding Automation in Spaceâ€Frame Bridge Construction. Computer-Aided Civil and Infrastructure Engineering, 2001, 16, 188-199.	6.3	6
31	A Knowledge-Based Model for Constructability Assessment of Buildings Design Using BIM. Lecture Notes in Civil Engineering, 2021, , 147-159.	0.3	6
32	Object-oriented fabrication cost model for the economic appraisal of tubular truss design. Advances in Engineering Software, 1996, 27, 11-20.	1.8	5
33	Bolts Gauge Effect on the Face Bending Behaviour of Concrete-Filled Hollow Section for Hollo-Bolted Connections. Applied Mechanics and Materials, 0, 773-774, 105-109.	0.2	4
34	Integrated Design System for Semi-Rigidly Connected Steel Frames. Advances in Structural Engineering, 1997, 1, 47-61.	1.2	3
35	Meta Models for Real-Time Design Assessment Within an Integrated Information and Numerical Modelling Framework. Lecture Notes in Computer Science, 2018, , 201-218.	1.0	3
36	A FULLY COUPLED COMPUTATIONAL FRAMEWORK FOR FLUID PRESSURIZED CRACK EVOLUTION IN POROUS MEDIA. Journal of Porous Media, 2019, 22, 939-956.	1.0	3

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37	Experimental and numerical study on reinforced concrete beam-column joints with diagonal bars: Effects of bonding condition and diameter. Structures, 2022, 37, 905-918.	1.7	3
38	The behaviour of anchored extended blind bolts in concreteâ€filled tubes. Steel Construction, 2022, 15, 51-58.	0.4	3
39	A construction-led design process for tubular trusses. Design Studies, 1994, 15, 248-259.	1.9	2
40	Fatigue Performance of Blind Bolt in Concrete-Filled Hollow Section. Applied Mechanics and Materials, 2013, 421, 762-766.	0.2	2
41	A BIM Extension for Sustainability Appraisal of Conceptual Structural Design of Steel-Framed Buildings. , 2014, , .		2
42	Effect of Loading Frequency on Fatigue Life of Extended Hollobolt in Concrete Filled Hollow Section. Advanced Materials Research, 0, 1025-1026, 950-954.	0.3	2
43	Evaluation of current practice and associated challenges towards integrated design. Advances in Computational Design, 2017, 2, 89-105.	0.3	2
44	Discrete-Event Simulation and Building Information Modelling Based Animation of Construction Activities. Lecture Notes in Civil Engineering, 2021, , 285-294.	0.3	2
45	Integrated IFC based Collaborative Building Design using Internet Technology. , 0, , .		2
46	Incremental Virtual Prototyping as an IT Tool for CE Projects. , 2003, , 1.		1
47	A Sustainability Appraisal Framework for the Design of Steel-Framed Buildings. , 0, , .		1
48	DISCUSSION ON PAPER 8970. PROLOG-BASED EXPERT SYSTEMS IN CIVIL ENGINEE RING.. Proceedings of the Institution of Civil Engineers, 1988, 85, 185-187.	0.1	0
49	Designing the Virtual Building. , 2000, , 1403.		0
50	Design of Multi Storey Steel Framed Structure Using an Integrated Product and Process Model. , 2002, , 48.		0
51	Special Section on the 13th International Conference on Computing in Civil and Building Engineering 2010. Journal of Computing in Civil Engineering, 2013, 27, 437-438.	2.5	0
52	Closure to â€œA cantilever approach to estimate bending stiffness of buildings affected by tunnellingâ€• by Twana K. Haji, Alec M. Marshall, and Walid Tizani. Tunnelling and Underground Space Technology, 2018, 77, 316-317.	3.0	0
53	Analysis of EHB Joints to Concreteâ€filled Steel Columns: Combined Failure in Tension. Ce/Papers, 2021, 4, 162-167.	0.1	0
54	Static strength of joints. , 2010, , 81-132.		0

#	Article	IF	Citations
55	Seismic. , 2010, , 133-202.		0
56	A Knowledge Based System for the Diagnosis of the Causes of Cracking in Buildings. , 1992, , 263-283.		0
57	Pull-out Behaviour of Extended Hollobolts for Hollow Beam-Column Connections. , 0, , .		0
58	A Product Model for Collaborative Building Design. , 0, , .		0
59	A Mechanism for Decision Support in OOP Applications of Integrated Structural Design. , 0, , .		0
60	An Integrated Tool for Structural Design within an Interactive Virtual Environment. , 0, , .		0
61	Design Process Improvement through an IT Supported Design Process. , 0, , .		0
62	Modelling Design Constraints for an Automated Design Process. , 0, , .		0
63	Design Process Improvement using a Single Model Environment. , 0, , .		0
64	Cost Modelling for the Economic Appraisal of Tubular Truss Design. , 0, , .		0
65	Specifications and Design for a Multi-Agent Collaborative Structural Design System. , 0, , .		0
66	A User Interface for Engineering Decision Support in the Fabrication-Led Design of Tubular Trusses. , 0, , .		0
67	A Knowledge-Based Expert System to Advise on the Selection of Cost Effective Steel Frames for Single Storey Industrial Buildings. , 0, , .		0