

Faris Ga Albermani

List of Publications by Year in descending order

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83
papers

2,705
citations

159525

30
h-index

189801

50
g-index

84
all docs

84
docs citations

84
times ranked

1362
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of steel slit damper for passive energy dissipation. Engineering Structures, 2008, 30, 1058-1066.	2.6	303
2	Numerical and analytical simulation of downburst wind loads. Engineering Structures, 2006, 28, 240-254.	2.6	154
3	Evaluation of yielding shear panel device for passive energy dissipation. Journal of Constructional Steel Research, 2009, 65, 260-268.	1.7	138
4	Failure analysis of transmission towers. Engineering Failure Analysis, 2009, 16, 1922-1928.	1.8	114
5	On lateral and upheaval buckling of subsea pipelines. Engineering Structures, 2013, 52, 317-330.	2.6	96
6	Numerical simulation of structural behaviour of transmission towers. Thin-Walled Structures, 2003, 41, 167-177.	2.7	73
7	Propagation buckling in deep sub-sea pipelines. Engineering Structures, 2011, 33, 2547-2553.	2.6	72
8	Nonlinear analysis of transmission towers. Engineering Structures, 1992, 14, 139-151.	2.6	69
9	Effect of Bolt Slippage on Ultimate Behavior of Lattice Structures. Journal of Structural Engineering, 1994, 120, 2281-2287.	1.7	69
10	Experimental study of perforated yielding shear panel device for passive energy dissipation. Journal of Constructional Steel Research, 2013, 91, 14-25.	1.7	68
11	Upgrading of transmission towers using a diaphragm bracing system. Engineering Structures, 2004, 26, 735-744.	2.6	62
12	Energy-based design method for seismic retrofitting with passive energy dissipation systems. Engineering Structures, 2013, 46, 77-86.	2.6	62
13	Factors affecting the design and construction of Lamella suspen-dome systems. Journal of Constructional Steel Research, 2005, 61, 764-785.	1.7	61
14	Nonlinear Analysis of Thin-Walled Structures Using Least Element/Member. Journal of Structural Engineering, 1990, 116, 215-234.	1.7	59
15	Lightweight bamboo double layer grid system. Engineering Structures, 2007, 29, 1499-1506.	2.6	55
16	Experimental and numerical investigations of buckle interaction in subsea pipelines. Engineering Structures, 2014, 66, 81-88.	2.6	52
17	Buckle interaction in deep subsea pipelines. Thin-Walled Structures, 2013, 72, 113-120.	2.7	49
18	Elasto-plastic large deformation analysis of thin-walled structures. Engineering Structures, 1990, 12, 28-36.	2.6	47

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19	Knowledge-Based System on Optimum Design of Liquid Retaining Structures with Genetic Algorithms. Journal of Structural Engineering, 2003, 129, 1312-1321.	1.7	43
20	Modelling of cold-formed purlin-sheeting systemsâ€™ Part 1: Full model. Thin-Walled Structures, 1997, 27, 223-243.	2.7	41
21	Modelling of cold-formed purlin-sheeting systemsâ€™ Part 2. Simplified model. Thin-Walled Structures, 1997, 27, 263-286.	2.7	40
22	Expert system application on preliminary design of water retaining structures. Expert Systems With Applications, 2002, 22, 169-178.	4.4	40
23	Resilience of branching and massive corals to wave loading under sea level rise â€™ A coupled computational fluid dynamics-structural analysis. Marine Pollution Bulletin, 2014, 86, 91-101.	2.3	40
24	Elastoplastic Nonlinear Analysis of Flexibly Jointed Space Frames. Journal of Structural Engineering, 1992, 118, 108-127.	1.7	39
25	Free vibration of cantilevered arbitrary triangular Mindlin plates. International Journal of Mechanical Sciences, 1996, 38, 431-442.	3.6	39
26	Numerical study and parametric analysis of the propagation buckling behaviour of subsea pipe-in-pipe systems. Thin-Walled Structures, 2018, 125, 119-128.	2.7	35
27	Cyclic and seismic response of flexibly jointed frames. Engineering Structures, 1994, 16, 249-255.	2.6	33
28	Geometric and material nonlinear analysis of structures comprising rectangular hollow sections. Engineering Structures, 1988, 10, 13-23.	2.6	32
29	Flexural strength of weathered granites: Influence of freeze and thaw cycles. Construction and Building Materials, 2017, 156, 891-901.	3.2	32
30	Pinching hysteretic response of yielding shear panel device. Engineering Structures, 2011, 33, 993-1000.	2.6	31
31	Elastoâ€™Plastic Finite Element Models for Angle Steel Frames. Journal of Structural Engineering, 1990, 116, 2567-2581.	1.7	30
32	On collapse of the inner pipe of a pipe-in-pipe system under external pressure. Engineering Structures, 2018, 172, 614-628.	2.6	30
33	Numerical modelling of yielding shear panel device for passive energy dissipation. Thin-Walled Structures, 2011, 49, 1032-1044.	2.7	28
34	Kinematic and non-linear analysis of foldable barrel vaults. Engineering Structures, 2001, 23, 158-171.	2.6	27
35	Propagation Buckling in Subsea Pipe-in-Pipe Systems. Journal of Engineering Mechanics - ASCE, 2017, 143, .	1.6	26
36	Mechanical properties of clay masonry units: Destructive and ultrasonic testing. Construction and Building Materials, 2019, 219, 111-120.	3.2	26

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37	Hyperbaric chamber test of subsea pipelines. <i>Thin-Walled Structures</i> , 2013, 71, 1-6.	2.7	25
38	Single-equation yield surfaces for monosymmetric and asymmetric sections. <i>Engineering Structures</i> , 1991, 13, 366-370.	2.6	23
39	Nonlinear finite element analysis of latticed transmission towers. <i>Engineering Structures</i> , 1993, 15, 259-269.	2.6	23
40	Finite Element Method for Buckling Analysis of Plate Structures. <i>Journal of Structural Engineering</i> , 1993, 119, 1048-1068.	1.7	23
41	Infant brain subjected to oscillatory loading: material differentiation, properties, and interface conditions. <i>Biomechanics and Modeling in Mechanobiology</i> , 2008, 7, 105-125.	1.4	23
42	Textured deep subsea pipelines. <i>International Journal of Mechanical Sciences</i> , 2013, 68, 224-235.	3.6	23
43	Elasto-Plastic Analysis of Box-Beam-Columns Including Local Buckling Effects. <i>Journal of Structural Engineering</i> , 1991, 117, 1946-1962.	1.7	22
44	Stability of thin-walled members having arbitrary flange shape and flexible web. <i>Engineering Structures</i> , 1992, 14, 121-132.	2.6	20
45	A compact nonlinear dynamic analysis technique for transmission line cascades. <i>Engineering Structures</i> , 2018, 158, 164-174.	2.6	19
46	Dynamic response of flexibly jointed frames. <i>Engineering Structures</i> , 1995, 17, 575-580.	2.6	18
47	Gust occurrence in simulated non-stationary winds. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2008, 96, 2161-2172.	1.7	18
48	Buckle interaction in textured deep subsea pipelines. <i>Ships and Offshore Structures</i> , 2016, 11, 625-635.	0.9	17
49	Experimental and numerical investigation of bulging behaviour of hyperelastic textured tubes. <i>International Journal of Mechanical Sciences</i> , 2016, 115-116, 665-675.	3.6	17
50	Nonlinear dynamic analysis of lattice structures. <i>Computers and Structures</i> , 1994, 52, 9-15.	2.4	16
51	Non-linear analysis of thin-walled structures using plate elements. <i>International Journal for Numerical Methods in Engineering</i> , 1994, 37, 1697-1711.	1.5	15
52	Mechanical response of infant brain to manually inflicted shaking. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2010, 224, 1-15.	1.0	13
53	Stiffness and Strength Of Perforated Steel Plate Shear Wall. <i>Procedia Engineering</i> , 2011, 14, 675-679.	1.2	13
54	Lattice-Dome Design Using a Knowledge-Based System Approach. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2001, 16, 268-286.	6.3	12

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55	A coupled knowledge-based expert system for design of liquid-retaining structures. Automation in Construction, 2003, 12, 589-602.	4.8	12
56	Hybrid knowledge representation in a blackboard KBS for liquid retaining structure design. Engineering Applications of Artificial Intelligence, 2004, 17, 11-18.	4.3	12
57	Carbon fibre buckle arrestors for offshore pipelines. Applied Ocean Research, 2021, 111, 102633.	1.8	12
58	Eccentrically Connected Cleat Plates in Compression. Journal of Structural Engineering, 1993, 119, 767-781.	1.7	11
59	Comparison of Responses of Guyed and Freestanding Transmission Line Towers Under Conductor Breakage Loading. International Journal of Structural Stability and Dynamics, 2015, 15, 1540023.	1.5	11
60	Stability of cold-formed members. Engineering Structures, 1994, 16, 386-392.	2.6	9
61	Flexural and torsional rigidity of colonoscopes at room and body temperatures. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2011, 225, 389-399.	1.0	9
62	Nonlinear analysis of lattice structures. Journal of Constructional Steel Research, 1992, 23, 209-225.	1.7	8
63	Interactive analysis and design of cold-formed steel cladding system. Journal of Constructional Steel Research, 2004, 60, 1409-1423.	1.7	8
64	Interaction Between Lateral Buckling and Propagation Buckling in Textured Deep Subsea Pipelines. , 2015, , .		8
65	Buckling of columns: Allowance for axial shortening. International Journal of Mechanical Sciences, 1991, 33, 613-622.	3.6	7
66	Deep Undrained Bearing Capacity of Rectangular Foundations in Uniform Strength Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	1.5	7
67	Maximum response of asymmetric structures subject to A multicomponent earthquake. Earthquake Engineering and Structural Dynamics, 1993, 22, 1047-1066.	2.5	5
68	Bounding-surface plasticity for non-linear analysis of space structures. International Journal for Numerical Methods in Engineering, 1995, 38, 797-808.	1.5	5
69	An expert system on design of liquid-retaining structures with blackboard architecture. Expert Systems, 2004, 21, 183-191.	2.9	5
70	Discussion of "Effect of Axial Compressibility on Buckling of Columns" by Charles W. Bert (March), Tj ETQq0 0,0,rgBT /Oyerklock 10	1.6	4
71	Experimental and Numerical Assessment on Failure Pressure of Textured Pipelines. Journal of Offshore Mechanics and Arctic Engineering, 2022, 144, .	0.6	4
72	A knowledge-based system for liquid retaining structure design with blackboard architecture. Building and Environment, 2005, 40, 73-81.	3.0	3

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73	Buckling-Restrained-Lug Connection for Energy Dissipation. Advances in Structural Engineering, 2013, 16, 11-20.	1.2	2
74	Metal skinning energy absorber for a backup marine fender system. Marine Structures, 2019, 67, 102642.	1.6	2
75	EXPERIMENTAL STUDY ON CONFINED BUCKLE PROPAGATION. , 2016, , 44-54.		2
76	Web-Based Knowledge-Based System on Liquid Retaining Structure Design as Instructional Tool. Lecture Notes in Computer Science, 2002, , 95-105.	1.0	2
77	Closure to "Finite Element Method for Buckling Analysis of Plate Structures" by Chee Kiong Chin, Faris G. A. Al-Bermani, and Sritawat Kitipornchai (April, 1993, Vol. 119, No. 4). Journal of Structural Engineering, 1994, 120, 3095-3096.	1.7	0
78	A simplified model for buckling mechanism in lattice structures. Computers and Structures, 1995, 57, 745-750.	2.4	0
79	Pinching Effect in Yielding Shear Panel Passive Device. Procedia Engineering, 2011, 14, 241-249.	1.2	0
80	On the Propagation Buckling and Effects in Ultra-Long Deep Subsea Pipelines. , 2011, , .		0
81	Buckle Interaction in Deep Subsea Pipelines. , 2013, , .		0
82	Interaction between Upheaval/Lateral and Propagation Buckling in Subsea Pipelines. Applied Mechanics and Materials, 0, 553, 434-438.	0.2	0
83	Cascading collapse of transmission lines. Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics, 2018, 171, 115-132.	0.4	0