Arash E Zaghi

List of Publications by Year
in descending order

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63 papers	1,087 citations	430874 18 h-index	454955 30 g-index
63 all docs	63 docs citations	63 times ranked	633 citing authors

#	Article	IF	Citations
1	International Perspective on UHPC in Bridge Engineering. Journal of Bridge Engineering, 2020, 25, .	2.9	150
2	Push-out behavior of headed shear studs welded on thin plates and embedded in UHPC. Engineering Structures, 2018, 173, 429-441.	5.3	68
3	Floor Accelerations in Yielding Special Moment Resisting Frame Structures. Earthquake Spectra, 2013, 29, 987-1002.	3.1	62
4	Shake table response and analysis of a concrete-filled FRP tube bridge column. Composite Structures, 2012, 94, 1564-1574.	5.8	51
5	Analytical Seismic Fragility Analyses of Fire Sprinkler Piping Systems with Threaded Joints. Earthquake Spectra, 2015, 31, 1125-1155.	3.1	51
6	Experimental Study of UHPC Repair for Corrosion-Damaged Steel Girder Ends. Journal of Bridge Engineering, 2017, 22, .	2.9	51
7	State of the Art of Multihazard Design. Journal of Structural Engineering, 2017, 143, .	3.4	37
8	Experimental and Analytical Studies of Hospital Piping Assemblies Subjected to Seismic Loading. Earthquake Spectra, 2012, 28, 367-384.	3.1	35
9	Establishing Common Nomenclature, Characterizing the Problem, and Identifying Future Opportunities in Multihazard Design. Journal of Structural Engineering, 2016, 142, .	3.4	33
10	Experimental Comparison of the Performance and Residual Capacity of CFFT and RC Bridge Columns Subjected to Blasts. Journal of Bridge Engineering, 2016, 21, .	2.9	33
11	Finite element study of headed shear studs embedded in ultra-high performance concrete. Engineering Structures, 2019, 188, 538-552.	5.3	32
12	Seismic Fragility Study of Fire Sprinkler Piping Systems with Grooved Fit Joints. Journal of Structural Engineering, 2015, 141, .	3.4	29
13	Mechanical Behavior of Hybrid Glass/Steel Fiber Reinforced Epoxy Composites. Polymers, 2017, 9, 151.	4.5	29
14	Design considerations for headed shear studs embedded in ultra-high performance concrete as part of a novel bridge repair method. Journal of Constructional Steel Research, 2018, 149, 180-194.	3.9	28
15	Experimental Evaluation of Full-Scale Corroded Steel Plate Girders Repaired with UHPC. Journal of Bridge Engineering, 2020, 25, .	2.9	28
16	CFFT Bridge Columns for Multihazard Resilience. Journal of Structural Engineering, 2016, 142, .	3.4	27
17	Impact of column-to-beam strength ratio on the seismic response of steel MRFs. Bulletin of Earthquake Engineering, 2015, 13, 635-652.	4.1	21
18	Seismic Response of Ceiling/Sprinkler Piping Nonstructural Systems in NEES TIPS/NEES Nonstructural/NIED Collaborative Tests on a Full Scale 5-Story Building. , 2012, , .		18

#	Article	IF	Citations
19	Response of a 2-story test-bed structure for the seismic evaluation of nonstructural systems. Earthquake Engineering and Engineering Vibration, 2016, 15, 19-29.	2.3	18
20	Divergent thinking and academic performance of students with attention deficit hyperactivity disorder characteristics in engineering. Journal of Engineering Education, 2020, 109, 213-229.	3.0	18
21	Development and Validation of a Numerical Model for Suspended-Ceiling Systems with Acoustic Tiles. Journal of Architectural Engineering, 2016, 22, .	1.6	14
22	Shake Table Studies of a Concrete Bridge Pier Utilizing Pipe-Pin Two-Way Hinges. Journal of Bridge Engineering, 2011, 16, 587-596.	2.9	13
23	Seismic Fragility Study of Displacement Demand on Fire Sprinkler Piping Systems. Journal of Earthquake Engineering, 2014, 18, 1129-1150.	2.5	13
24	Residual Axial Capacity Comparison of CFFT and RC Bridge Columns after Fire. Polymers, 2015, 7, 876-895.	4.5	13
25	Seismic response of multi-frame bridges. Bulletin of Earthquake Engineering, 2016, 14, 1219-1243.	4.1	13
26	Mechanical Characteristics of Hybrid Composites with Â±45Â° Glass and 0Â°/90Â° Stainless Steel Fibers. Materials, 2018, 11, 1355.	2.9	13
27	Durability Evaluation of Headed Shear Studs Embedded in Ultrahigh-Performance Concrete via Electrochemical Corrosion. Journal of Bridge Engineering, 2019, 24, .	2.9	13
28	Characteristics of <scp>ADHD</scp> Related to Executive Function: Differential Predictions for Creativityâ€Related Traits. Journal of Creative Behavior, 2020, 54, 350-362.	2.9	13
29	Bearing and Shear Failure of Pipe-Pin Hinges Subjected to Earthquakes. Journal of Bridge Engineering, 2011, 16, 340-350.	2.9	12
30	Seismic Performance of Pipe-Pin Two-Way Hinges in Concrete Bridge Columns. Journal of Earthquake Engineering, 2010, 14, 1253-1302.	2.5	10
31	Load transfer between thin steel plates and ultra-high performance concrete through different types of shear connectors. Engineering Structures, 2021, 227, 111450.	5.3	10
32	Analytical Simulation of the Performance of Ceiling-Sprinkler Systems in Shake Table Tests Performed on a Full-Scale 5-Story Building. , 2014, , .		9
33	A Methodology for the Experimental Evaluation of Seismic Pounding at Seat-Type Abutments of Horizontally Curved Bridges. , 2012, , .		8
34	Applicability of 3-D Scanning Technology for Section Loss Assessment in Corroded Steel Beams. Transportation Research Record, 2019, 2673, 271-280.	1.9	8
35	Design of Various Shear Connectors for Repair of Corroded Steel Girders with Ultra-High Performance Concrete. Transportation Research Record, 2019, 2673, 521-530.	1.9	8
36	Rehabilitation of Steel Bridge Girders with Corroded Ends Using Ultra-High Performance Concrete. , 2015, , .		7

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37	Determining Time Variation of Cable Tension Forces in Suspended Bridges Using Time-Frequency Analysis. Advances in Civil Engineering, 2018, 2018, 1-13.	0.7	7
38	Flexural behavior of hybrid concrete-filled fiber reinforced polymer tube columns. Composite Structures, 2019, 230, 111540.	5.8	7
39	Influence of fiber orientation and shell thickness on the axial compressive behavior of concrete-filled fiber-reinforced polymer tubes. Construction and Building Materials, 2019, 220, 353-363.	7.2	7
40	Design of a Test-Bed Structure for Shake Table Simulation of the Seismic Performance of Nonstructural Systems. , 2011, , .		6
41	Seismic Fragility Study of Fire Sprinkler Piping Systems. , 2013, , .		6
42	Applicability of Photogrammetry for Inspection and Monitoring of Dry-Stone Masonry Retaining Walls. Transportation Research Record, 2020, 2674, 287-297.	1.9	6
43	The Nuanced Relationship Between Creative Cognition and the Interaction Between Executive Functioning and Intelligence. Journal of Creative Behavior, 2021, 55, 857-874.	2.9	6
44	Mechanical Behavior of Stainless Steel Fiber-Reinforced Composites Exposed to Accelerated Corrosion. Materials, 2017, 10, 772.	2.9	5
45	Learnings from the Field Implementation of a Novel Ultra-High Performance Concrete Beam End Repair on a Corroded Steel Girder Bridge in Connecticut. Transportation Research Record, 2021, 2675, 703-714.	1.9	5
46	Modelling the nonlinear shear stress-strain response of composites with metal and non-metal reinforcement. Composites Part B: Engineering, 2021, 221, 109009.	12.0	5
47	Experimental investigation of a simple shear connection to concrete-filled FRP tube (CFFT) columns. Engineering Structures, 2021, 247, 113174.	5.3	5
48	Experimental study on hybrid concrete-filled fiber reinforced polymer tube (HCFFTs) columns under simulated seismic loading. Engineering Structures, 2022, 264, 114478.	5.3	4
49	Performance of Pipe Extenderâ€“Shear Key at In-Span Hinges of Multiframe Bridges. Transportation Research Record, 2016, 2592, 136-142.	1.9	3
50	Modified Elastic Dynamic Analysis (EDA) for Seismic Demand on In-Span Hinge Shear Keys in Multi-Frame Bridges. Transportation Research Record, 2018, 2672, 75-86.	1.9	3
51	An Accelerated repair method for steel girders with severe end corrosion damage. Engineering Structures, 2022, 251, 113493.	5.3	3
52	Applicability of Convolutional Neural Networks for Calibration of Nonlinear Dynamic Models of Structures. Frontiers in Built Environment, 2022, 8, .	2.3	3
53	Numerical Simulation of Integrated Suspended Ceiling-Sprinkler Systems. , 2015, , .		2
54	Contributing factors to seismic force demand on in-span shear keys in multi-frame bridges. Structure and Infrastructure Engineering, 2019, 15, 206-218.	3.7	2

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55	Unique Potential and Challenges of Students with ADHD in Engineering Programs. , 0, , .		2
56	Experimental and Analytical Studies of Hospital Piping Assemblies Subjected to Seismic Loading. , 2011, , .		1
57	Applicability of Concrete-Filled FRP Tube (CFFT) System for Multihazard Resilient Bridge Columns. , 2014, , .		1
58	Performance Evaluation of Reinforced Concrete Bridge Columns through Experimental Blast Testing. , 2014, , .		1
59	Moment-Curvature Analysis of Hybrid Concrete-Filled Fiber Reinforced Polymer Tube Columns. , 2018, , .		1
60	Vulnerability of Lattice Towers to Blast Induced Damage Scenarios. , 2012, , .		0
61	Performance Evaluation of Reinforced Concrete Bridge Columns after Fire Exposure. , 2014, , .		0
62	Major Observations from a Specialized REU Program for Engineering Students with ADHD. , 0, , .		0
63	Board # 156 : Experiences of Pre-College Teachers Working with Undergraduate Engineering Students with ADHD in Research Laboratories. , 0, , .		0