

Arash E Zaghi

List of Publications by Year in descending order

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63
papers

1,087
citations

430442

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454577

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docs citations

63
times ranked

633
citing authors

#	ARTICLE	IF	CITATIONS
1	An Accelerated repair method for steel girders with severe end corrosion damage. <i>Engineering Structures</i> , 2022, 251, 113493.	2.6	3
2	Applicability of Convolutional Neural Networks for Calibration of Nonlinear Dynamic Models of Structures. <i>Frontiers in Built Environment</i> , 2022, 8, .	1.2	3
3	Experimental study on hybrid concrete-filled fiber reinforced polymer tube (HCFFTs) columns under simulated seismic loading. <i>Engineering Structures</i> , 2022, 264, 114478.	2.6	4
4	Load transfer between thin steel plates and ultra-high performance concrete through different types of shear connectors. <i>Engineering Structures</i> , 2021, 227, 111450.	2.6	10
5	The Nuanced Relationship Between Creative Cognition and the Interaction Between Executive Functioning and Intelligence. <i>Journal of Creative Behavior</i> , 2021, 55, 857-874.	1.6	6
6	Learnings from the Field Implementation of a Novel Ultra-High Performance Concrete Beam End Repair on a Corroded Steel Girder Bridge in Connecticut. <i>Transportation Research Record</i> , 2021, 2675, 703-714.	1.0	5
7	Modelling the nonlinear shear stress-strain response of composites with metal and non-metal reinforcement. <i>Composites Part B: Engineering</i> , 2021, 221, 109009.	5.9	5
8	Experimental investigation of a simple shear connection to concrete-filled FRP tube (CFFT) columns. <i>Engineering Structures</i> , 2021, 247, 113174.	2.6	5
9	Characteristics of <sc>ADHD</sc> Related to Executive Function: Differential Predictions for Creativity-Related Traits. <i>Journal of Creative Behavior</i> , 2020, 54, 350-362.	1.6	13
10	International Perspective on UHPC in Bridge Engineering. <i>Journal of Bridge Engineering</i> , 2020, 25, .	1.4	150
11	Applicability of Photogrammetry for Inspection and Monitoring of Dry-Stone Masonry Retaining Walls. <i>Transportation Research Record</i> , 2020, 2674, 287-297.	1.0	6
12	Experimental Evaluation of Full-Scale Corroded Steel Plate Girders Repaired with UHPC. <i>Journal of Bridge Engineering</i> , 2020, 25, .	1.4	28
13	Divergent thinking and academic performance of students with attention deficit hyperactivity disorder characteristics in engineering. <i>Journal of Engineering Education</i> , 2020, 109, 213-229.	1.9	18
14	Applicability of 3-D Scanning Technology for Section Loss Assessment in Corroded Steel Beams. <i>Transportation Research Record</i> , 2019, 2673, 271-280.	1.0	8
15	Flexural behavior of hybrid concrete-filled fiber reinforced polymer tube columns. <i>Composite Structures</i> , 2019, 230, 111540.	3.1	7
16	Influence of fiber orientation and shell thickness on the axial compressive behavior of concrete-filled fiber-reinforced polymer tubes. <i>Construction and Building Materials</i> , 2019, 220, 353-363.	3.2	7
17	Durability Evaluation of Headed Shear Studs Embedded in Ultrahigh-Performance Concrete via Electrochemical Corrosion. <i>Journal of Bridge Engineering</i> , 2019, 24, .	1.4	13
18	Finite element study of headed shear studs embedded in ultra-high performance concrete. <i>Engineering Structures</i> , 2019, 188, 538-552.	2.6	32

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19	Design of Various Shear Connectors for Repair of Corroded Steel Girders with Ultra-High Performance Concrete. Transportation Research Record, 2019, 2673, 521-530.	1.0	8
20	Contributing factors to seismic force demand on in-span shear keys in multi-frame bridges. Structure and Infrastructure Engineering, 2019, 15, 206-218.	2.0	2
21	Moment-Curvature Analysis of Hybrid Concrete-Filled Fiber Reinforced Polymer Tube Columns. , 2018, , .		1
22	Determining Time Variation of Cable Tension Forces in Suspended Bridges Using Time-Frequency Analysis. Advances in Civil Engineering, 2018, 2018, 1-13.	0.4	7
23	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.	1.0	3
24	Push-out behavior of headed shear studs welded on thin plates and embedded in UHPC. Engineering Structures, 2018, 173, 429-441.	2.6	68
25	Mechanical Characteristics of Hybrid Composites with $\pm 45^\circ$ Glass and $0^\circ/90^\circ$ Stainless Steel Fibers. Materials, 2018, 11, 1355.	1.3	13
26	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.	1.7	28
27	State of the Art of Multihazard Design. Journal of Structural Engineering, 2017, 143, .	1.7	37
28	Experimental Study of UHPC Repair for Corrosion-Damaged Steel Girder Ends. Journal of Bridge Engineering, 2017, 22, .	1.4	51
29	Mechanical Behavior of Stainless Steel Fiber-Reinforced Composites Exposed to Accelerated Corrosion. Materials, 2017, 10, 772.	1.3	5
30	Mechanical Behavior of Hybrid Glass/Steel Fiber Reinforced Epoxy Composites. Polymers, 2017, 9, 151.	2.0	29
31	Development and Validation of a Numerical Model for Suspended-Ceiling Systems with Acoustic Tiles. Journal of Architectural Engineering, 2016, 22, .	0.8	14
32	Performance of Pipe Extenderâ€™Shear Key at In-Span Hinges of Multiframe Bridges. Transportation Research Record, 2016, 2592, 136-142.	1.0	3
33	Response of a 2-story test-bed structure for the seismic evaluation of nonstructural systems. Earthquake Engineering and Engineering Vibration, 2016, 15, 19-29.	1.1	18
34	Establishing Common Nomenclature, Characterizing the Problem, and Identifying Future Opportunities in Multihazard Design. Journal of Structural Engineering, 2016, 142, .	1.7	33
35	Seismic response of multi-frame bridges. Bulletin of Earthquake Engineering, 2016, 14, 1219-1243.	2.3	13
36	Experimental Comparison of the Performance and Residual Capacity of CFFT and RC Bridge Columns Subjected to Blasts. Journal of Bridge Engineering, 2016, 21, .	1.4	33

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37	CFFT Bridge Columns for Multihazard Resilience. Journal of Structural Engineering, 2016, 142, .	1.7	27
38	Numerical Simulation of Integrated Suspended Ceiling-Sprinkler Systems. , 2015, , .		2
39	Rehabilitation of Steel Bridge Girders with Corroded Ends Using Ultra-High Performance Concrete. , 2015, , .		7
40	Analytical Seismic Fragility Analyses of Fire Sprinkler Piping Systems with Threaded Joints. Earthquake Spectra, 2015, 31, 1125-1155.	1.6	51
41	Residual Axial Capacity Comparison of CFFT and RC Bridge Columns after Fire. Polymers, 2015, 7, 876-895.	2.0	13
42	Seismic Fragility Study of Fire Sprinkler Piping Systems with Grooved Fit Joints. Journal of Structural Engineering, 2015, 141, .	1.7	29
43	Impact of column-to-beam strength ratio on the seismic response of steel MRFs. Bulletin of Earthquake Engineering, 2015, 13, 635-652.	2.3	21
44	Seismic Fragility Study of Displacement Demand on Fire Sprinkler Piping Systems. Journal of Earthquake Engineering, 2014, 18, 1129-1150.	1.4	13
45	Performance Evaluation of Reinforced Concrete Bridge Columns after Fire Exposure. , 2014, , .		0
46	Applicability of Concrete-Filled FRP Tube (CFFT) System for Multihazard Resilient Bridge Columns. , 2014, , .		1
47	Performance Evaluation of Reinforced Concrete Bridge Columns through Experimental Blast Testing. , 2014, , .		1
48	Analytical Simulation of the Performance of Ceiling-Sprinkler Systems in Shake Table Tests Performed on a Full-Scale 5-Story Building. , 2014, , .		9
49	Floor Accelerations in Yielding Special Moment Resisting Frame Structures. Earthquake Spectra, 2013, 29, 987-1002.	1.6	62
50	Seismic Fragility Study of Fire Sprinkler Piping Systems. , 2013, , .		6
51	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
52	Vulnerability of Lattice Towers to Blast Induced Damage Scenarios. , 2012, , .		0
53	Experimental and Analytical Studies of Hospital Piping Assemblies Subjected to Seismic Loading. Earthquake Spectra, 2012, 28, 367-384.	1.6	35
54	A Methodology for the Experimental Evaluation of Seismic Pounding at Seat-Type Abutments of Horizontally Curved Bridges. , 2012, , .		8

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55	Shake table response and analysis of a concrete-filled FRP tube bridge column. Composite Structures, 2012, 94, 1564-1574.	3.1	51
56	Design of a Test-Bed Structure for Shake Table Simulation of the Seismic Performance of Nonstructural Systems. , 2011, , .		6
57	Experimental and Analytical Studies of Hospital Piping Assemblies Subjected to Seismic Loading. , 2011, , .		1
58	Shake Table Studies of a Concrete Bridge Pier Utilizing Pipe-Pin Two-Way Hinges. Journal of Bridge Engineering, 2011, 16, 587-596.	1.4	13
59	Bearing and Shear Failure of Pipe-Pin Hinges Subjected to Earthquakes. Journal of Bridge Engineering, 2011, 16, 340-350.	1.4	12
60	Seismic Performance of Pipe-Pin Two-Way Hinges in Concrete Bridge Columns. Journal of Earthquake Engineering, 2010, 14, 1253-1302.	1.4	10
61	Major Observations from a Specialized REU Program for Engineering Students with ADHD. , 0, , .		0
62	Unique Potential and Challenges of Students with ADHD in Engineering Programs. , 0, , .		2
63	Board # 156 : Experiences of Pre-College Teachers Working with Undergraduate Engineering Students with ADHD in Research Laboratories. , 0, , .		0