

Amir Mirmiran

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98
papers

3,648
citations

27
h-index

58
g-index

102
ext. papers

4,117
ext. citations

3.3
avg, IF

5.31
L-index

#	Paper	IF	Citations
98	Experimental and numerical study of flexural properties in UHPFRC beams with and without an initial notch. <i>Construction and Building Materials</i> , 2021 , 268, 121196	6.7	1
97	Accelerated testing of super lightweight UHPC waffle deck under heavy vehicle simulator. <i>Bridge Structures</i> , 2021 , 16, 61-74	0.7	0
96	A comparative study of flexural and shear behavior of ultra-high-performance fiber-reinforced concrete beams. <i>Advances in Structural Engineering</i> , 2019 , 22, 1727-1738	1.9	10
95	Flexural Response of UHPFRC Beams Reinforced with Steel Rebars. <i>Advances in Civil Engineering Materials</i> , 2019 , 8, 20190129	0.7	4
94	Sectional analysis for design of ultra-high performance fiber reinforced concrete beams with passive reinforcement. <i>Engineering Structures</i> , 2018 , 160, 121-132	4.7	10
93	Effect of age on the compressive strength of ultra-high-performance fiber-reinforced concrete. <i>Construction and Building Materials</i> , 2018 , 175, 402-410	6.7	31
92	Shear behavior of ultra-high performance concrete. <i>Construction and Building Materials</i> , 2018 , 183, 554-564	6.4	26
91	Comparative Study of Unbonded Carbon Fiber and Steel Strands in Posttensioned Pier Caps. <i>Journal of Composites for Construction</i> , 2016 , 20, 04015036	3.3	2
90	Behavior of Ultrahigh-Performance Concrete Confined by Steel. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04016113	3	13
89	Novel UHPC-CFRP Waffle Deck Panel System for Accelerated Bridge Construction. <i>Journal of Composites for Construction</i> , 2016 , 20, 04015042	3.3	18
88	Full-Scale Testing of a Precast Concrete Supertile Roofing System for Hurricane Damage Mitigation. <i>Journal of Architectural Engineering</i> , 2016 , 22,	1.5	3
87	A super lightweight UHPCHSS deck panel for movable bridges. <i>Engineering Structures</i> , 2016 , 113, 186-193	4.7	36
86	Punching Shear Enhancement of Flat Slabs with Partial Use of Ultrahigh-Performance Concrete. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04014255	3	14
85	Experimental Characterization of Ultrahigh-Performance Concrete Bridge Deck System. <i>Journal of Bridge Engineering</i> , 2015 , 20, 04014101	2.7	4
84	Dowel action and shear strength contribution of high strength rebar embedded in ultra-high performance fiber reinforced concrete. <i>Engineering Structures</i> , 2015 , 83, 223-232	4.7	9
83	Assessment of Cyclic Behavior of Hybrid FRP Concrete Columns. <i>Journal of Bridge Engineering</i> , 2013 , 18, 553-563	2.7	9
82	Seismic Response of Ultra-High Performance Concrete-Filled FRP Tube Columns. <i>Journal of Earthquake Engineering</i> , 2013 , 17, 155-170	1.8	24

81	Plasticity based stress-strain model for concrete confinement. <i>Engineering Structures</i> , 2013 , 48, 645-657	4.7	17
80	Wind-Loading Effects on Roof-to-Wall Connections of Timber Residential Buildings. <i>Journal of Engineering Mechanics - ASCE</i> , 2013 , 139, 386-395	2.4	14
79	Behavior of RC T-Beams Strengthened in Shear with CFRP under Cyclic Loading. <i>Journal of Bridge Engineering</i> , 2013 , 18, 99-109	2.7	24
78	Cyclic Behavior of FRP Concrete Bridge Pier Frames. <i>Journal of Bridge Engineering</i> , 2013 , 18, 429-438	2.7	9
77	Stress-Strain Model of Ultrahigh Performance Concrete Confined by Fiber-Reinforced Polymers. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 1822-1829	3	20
76	Development Length of High-Strength Steel Rebar in Ultrahigh Performance Concrete. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 991-998	3	31
75	Effectiveness of Externally Applied CFRP Stirrups for Rehabilitation of Slab-Column Connections. <i>Journal of Composites for Construction</i> , 2013 , 17, 04013008	3.3	8
74	Shake table response and analysis of a concrete-filled FRP tube bridge column. <i>Composite Structures</i> , 2012 , 94, 1564-1574	5.3	45
73	Experimental Evaluation of Aluminum Bridge Deck System. <i>Journal of Bridge Engineering</i> , 2012 , 17, 97-106	6.7	9
72	Cyclic Behavior of Hybrid Columns Made of Ultra High Performance Concrete and Fiber Reinforced Polymers. <i>Journal of Composites for Construction</i> , 2012 , 16, 91-99	3.3	49
71	Behavior of Ultrahigh-Performance Concrete Confined by Fiber-Reinforced Polymers. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 1727-1734	3	66
70	Shear failure analysis on ultra-high performance concrete beams reinforced with high strength steel. <i>Engineering Structures</i> , 2011 , 33, 3597-3609	4.7	33
69	Development of Fiber-Reinforced Polymer Roof-to-Wall Connection. <i>Journal of Composites for Construction</i> , 2011 , 15, 644-652	3.3	4
68	Effectiveness of Surface-Applied Corrosion Inhibitors for Concrete Bridges. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 271-280	3	9
67	Uplift Capacity and Impact Resistance of Roof Tiles. <i>Practice Periodical on Structural Design and Construction</i> , 2011 , 16, 121-129	1.2	1
66	Combined Shear and Flexural Behavior of Hybrid FRP-Concrete Beams Previously Subjected to Cyclic Loading. <i>Journal of Composites for Construction</i> , 2011 , 15, 841-849	3.3	4
65	Triaxial Load Testing of Metal and FRP Roof-to-Wall Connectors. <i>Journal of Architectural Engineering</i> , 2011 , 17, 112-120	1.5	8
64	Study of the Capability of Multiple Mechanical Fasteners in Roof-to-Wall Connections of Timber Residential Buildings. <i>Practice Periodical on Structural Design and Construction</i> , 2011 , 16, 2-9	1.2	11

63	Construction tolerances and design parameters for NSM FRP reinforcement in concrete beams. <i>Construction and Building Materials</i> , 2010 , 24, 1821-1829	6.7	14
62	Creep and shrinkage behavior of high-strength concrete and minimum reinforcement ratio for bridge columns. <i>PCI Journal</i> , 2010 , 55, 138-154	2.1	9
61	Proposal for Concrete Compressive Strength up to 18 ksi (124 MPa) for Bridge Design. <i>Transportation Research Record</i> , 2009 , 2131, 59-67	1.7	3
60	Fatigue Modeling of Concrete-Filled Fiber-Reinforced Polymer Tubes. <i>Journal of Composites for Construction</i> , 2009 , 13, 582-590	3.3	4
59	Effect of Untreated Surface Disbonds on Performance of FRP-Retrofitted Concrete Beams. <i>Journal of Composites for Construction</i> , 2009 , 13, 476-485	3.3	9
58	Performance of Roof Tiles under Simulated Hurricane Impact. <i>Journal of Architectural Engineering</i> , 2009 , 15, 26-34	1.5	12
57	Flexural behavior of prestressed FRP tubular bridge deck. <i>Composites Part B: Engineering</i> , 2009 , 40, 125-133	3	8
56	Performance of FRP-Strengthened RC Beams with Surface Out-Of-Flatness. <i>Advances in Structural Engineering</i> , 2009 , 12, 241-255	1.9	2
55	Fatigue Behavior of Concrete-Filled Fiber-Reinforced Polymer Tubes. <i>Journal of Composites for Construction</i> , 2008 , 12, 478-487	3.3	5
54	Performance of FRP-Strengthened RC Beams with Different Concrete Surface Profiles. <i>Journal of Composites for Construction</i> , 2008 , 12, 626-634	3.3	43
53	Behavior of Short and Deep Beams Made of Concrete-Filled Fiber-Reinforced Polymer Tubes. <i>Journal of Composites for Construction</i> , 2008 , 12, 102-110	3.3	13
52	Preloaded RC columns strengthened with high-strength concrete jackets under uniaxial compression. <i>Materials and Structures/Materiaux Et Constructions</i> , 2008 , 41, 1251-1262	3.4	43
51	Life-cycle performance model for composites in construction. <i>Composites Part B: Engineering</i> , 2007 , 38, 236-246	10	10
50	Control of Plastic Shrinkage Cracking of Concrete with Carbon Fiber-Reinforced Polymer Grids. <i>Journal of Materials in Civil Engineering</i> , 2007 , 19, 441-444	3	19
49	Cyclic modeling of FRP-confined concrete with improved ductility. <i>Cement and Concrete Composites</i> , 2006 , 28, 959-968	8.6	100
48	Seismic Performance of Concrete-Filled FRP Tube Columns for Bridge Substructure. <i>Journal of Bridge Engineering</i> , 2006 , 11, 359-370	2.7	68
47	Splicing of Precast Concrete-Filled FRP Tubes. <i>Journal of Composites for Construction</i> , 2006 , 10, 345-356	3.3	12
46	Seismic Performance of Reinforced Concrete Bridge Substructure Encased in Fiber Composite Tubes. <i>Transportation Research Record</i> , 2006 , 1976, 197-206	1.7	2

45	Fiber element modeling for seismic performance of bridge columns made of concrete-filled FRP tubes. <i>Engineering Structures</i> , 2006 , 28, 2023-2035	4.7	26
44	Fiber-Element Model for Cyclic Analysis of Concrete-Filled Fiber Reinforced Polymer Tubes. <i>Journal of Structural Engineering</i> , 2005 , 131, 292-303	3	25
43	Effect of Column Parameters on Axial Compression Behavior of Concrete-Filled FRP Tubes. <i>Advances in Structural Engineering</i> , 2005 , 8, 443-449	1.9	27
42	Connections between Simply Supported Concrete Beams Made Continuous: Results of NCHRP Project 12B3. <i>Transportation Research Record</i> , 2005 , 1928, 126-133	1.7	
41	Experimental Investigation of Cyclic Behavior of Concrete-Filled Fiber Reinforced Polymer Tubes. <i>Journal of Composites for Construction</i> , 2005 , 9, 263-273	3.3	51
40	Fatigue Behavior of Prestressed Tubular Bridge Deck of Fiber-Reinforced Polymer. <i>Transportation Research Record</i> , 2004 , 1892, 246-255	1.7	
39	Stay-in-Place Fiber Reinforced Polymer Forms for Precast Modular Bridge Pier System. <i>Journal of Composites for Construction</i> , 2004 , 8, 560-568	3.3	16
38	Nonlinear cyclic response of laminated glass FRP tubes filled with concrete. <i>Composite Structures</i> , 2004 , 65, 91-101	5.3	15
37	Creep Analysis of Axially Loaded Fiber Reinforced Polymer-Confined Concrete Columns. <i>Journal of Engineering Mechanics - ASCE</i> , 2003 , 129, 1308-1319	2.4	10
36	State of Practice for Positive Moment Connections in Prestressed Concrete Girders Made Continuous. <i>Journal of Bridge Engineering</i> , 2003 , 8, 267-272	2.7	15
35	World Survey of Civil Engineering Programs on Fiber Reinforced Polymer Composites for Construction. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2003 , 129, 155-160	0.7	11
34	Stay-In-Place FRP Form for Concrete Columns. <i>Advances in Structural Engineering</i> , 2003 , 6, 231-241	1.9	27
33	Creep modeling for concrete-filled steel tubes. <i>Journal of Constructional Steel Research</i> , 2003 , 59, 1327-1344	3.4	41
32	Analysis and field tests on the performance of composite tubes under pile driving impact. <i>Composite Structures</i> , 2002 , 55, 127-135	5.3	31
31	ELASTO-PLASTIC BUCKLING OF PRESTRESSED ARCHES. <i>International Journal of Structural Stability and Dynamics</i> , 2002 , 02, 295-313	1.9	1
30	Flexural Creep Tests and Modeling of Concrete-Filled Fiber Reinforced Polymer Tubes. <i>Journal of Composites for Construction</i> , 2002 , 6, 272-279	3.3	9
29	Stability Tests of Sandwich Composite Elastica Arches. <i>Journal of Structural Engineering</i> , 2002 , 128, 683-686	3.9	2
28	Special Structures: Past, Present, and Future. <i>Journal of Structural Engineering</i> , 2002 , 128, 691-709	3	36

27	Creep and Durability of Environmentally Conditioned FRP-RC Beams Using Fiber Optic Sensors. <i>Journal of Reinforced Plastics and Composites</i> , 2002 , 21, 351-373	2.9	16
26	FRP-Confined Concrete Model. <i>Journal of Composites for Construction</i> , 2001 , 5, 62-65	3.3	5
25	BUCKLING ANALYSIS OF CONCRETE-FILLED FRP TUBES. <i>International Journal of Structural Stability and Dynamics</i> , 2001 , 01, 367-383	1.9	17
24	Slenderness Limit for Hybrid FRP-Concrete Columns. <i>Journal of Composites for Construction</i> , 2001 , 5, 26-34	3.3	81
23	EFFECT OF GEOMETRIC AND LOADING CONDITIONS ON STABILITY OF PRESTRESSED ARCHES. <i>International Journal of Structural Stability and Dynamics</i> , 2001 , 01, 509-526	1.9	7
22	Damage Assessment of FRP-Encased Concrete Using Ultrasonic Pulse Velocity. <i>Journal of Engineering Mechanics - ASCE</i> , 2001 , 127, 126-135	2.4	47
21	Integration of Non-Destructive Testing In Concrete Education. <i>Journal of Engineering Education</i> , 2001 , 90, 219-222	2.3	
20	Nonlinear Continuity Analysis of Precast, Prestressed Concrete Girders with Cast-in-Place Decks and Diaphragms. <i>PCI Journal</i> , 2001 , 46, 60-80	2.1	14
19	Comparison of acoustic emission activity in steel-reinforced and FRP-reinforced concrete beams. <i>Construction and Building Materials</i> , 2000 , 14, 299-310	6.7	25
18	Nonlinear finite element modeling of concrete confined by fiber composites. <i>Finite Elements in Analysis and Design</i> , 2000 , 35, 79-96	2.2	123
17	Acoustic Emission Monitoring of Hybrid FRP-Concrete Columns. <i>Journal of Engineering Mechanics - ASCE</i> , 1999 , 125, 899-905	2.4	38
16	Strength and Ductility of Hybrid FRP-Concrete Beam-Columns. <i>Journal of Structural Engineering</i> , 1999 , 125, 1085-1093	3	81
15	A new hysteresis model for steel members. <i>International Journal for Numerical Methods in Engineering</i> , 1999 , 45, 1007-1023	2.4	4
14	Design, manufacture and testing of a new hybrid column. <i>Construction and Building Materials</i> , 1998 , 12, 39-49	6.7	28
13	Model of Concrete Confined by Fiber Composites. <i>Journal of Structural Engineering</i> , 1998 , 124, 1025-1033		566
12	Effect of Column Parameters on FRP-Confined Concrete. <i>Journal of Composites for Construction</i> , 1998 , 2, 175-185	3.3	456
11	Acoustic emission of retrofitted fiber-wrapped columns 1998 ,		1
10	Behavior of Concrete Columns Confined by Fiber Composites. <i>Journal of Structural Engineering</i> , 1997 , 123, 583-590	3	515

9	Local damage assessment of turbine missile impact on composite and multiple barriers. <i>Nuclear Engineering and Design</i> , 1997 , 178, 145-156	1.8	8
8	Dilation characteristics of confined concrete. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1997 , 2, 237-249		118
7	Dilation characteristics of confined concrete 1997 , 2, 237		2
6	A new concrete-filled hollow FRP composite column. <i>Composites Part B: Engineering</i> , 1996 , 27, 263-268	10	144
5	Local Damage Assessment of Metal Barriers under Turbine Missile Impacts. <i>Journal of Structural Engineering</i> , 1996 , 122, 99-108	3	5
4	Effects of Fabrication Process on Prestressed Composite Arches. <i>Journal of Structural Engineering</i> , 1995 , 121, 124-131	3	9
3	Inelastic Buckling of Prestressed Sandwich or Homogeneous Arches. <i>Journal of Structural Engineering</i> , 1993 , 119, 2733-2743	3	5
2	Buckling and Postbuckling of Prestressed Sandwich Arches. <i>Journal of Structural Engineering</i> , 1993 , 119, 262-278	3	13
1	Stability of Prebuckled Sandwich Elastica Arches: Parametric Study. <i>Journal of Engineering Mechanics - ASCE</i> , 1993 , 119, 767-785	2.4	7