Yu-Fei Wu

List of Publications by Year in Descending Order

197 papers	6,745 citations	49 h-index	72 g-index
207 ext. papers	8,228 ext. citations	5 avg, IF	6.86 L-index

#	Paper	IF	Citations
197	Recycled aggregate concrete **2022**, 211-227		0
196	Evaluation of flexural resistance of compression yielded concrete beams reinforced with fibre reinforced polymers. *Engineering Structures*, **2022**, 250, 113416	4.7	1
195	Improving recycled aggregate concrete by compression casting and nano-silica. *Nanotechnology Reviews*, **2022**, 11, 1273-1290	6.3	1
194	Analytical modeling of composite members **2022**, 169-230		
193	Confined concrete **2022**, 295-375		
192	Flexural failure and design theory **2022**, 25-56		
191	Ductility modification technologies **2022**, 377-435		
190	Flexural deflection **2022**, 231-294		
189	Bond between reinforcement and concrete **2022**, 129-168		
188	Deductive approach to flexural theory **2022**, 57-97		
187	Shear failure of RC members **2022**, 437-482		
186	Applications of the flexural theorems **2022**, 99-128		
185	Development of novel design strength model for sustainable concrete columns: A new machine learning-based approach. *Journal of Cleaner Production*, **2022**, 357, 131988	10.3	1
184	Stress-Strain Behavior and Design-Oriented Model for FRP Spiral Strip-Confined Concrete. *Composite Structures*, **2022**, 115747	5.3	0
183	Development of a novel compressive strength design equation for natural and recycled aggregate concrete through advanced computational modeling. *Journal of Building Engineering*, **2022**, 55, 104690	5.2	1
182	Experimental Study on Hydroelectric Energy Harvester Based on a Hybrid Qiqi and Turbine Structure. *Energies*, **2021**, 14, 7601	3.1	0
181	A unified bond-slip model for the interface between FRP and steel. *Composites Part B: Engineering*, **2021**, 227, 109380	10	2

180	Application of waste tire rubber and recycled aggregates in concrete products: A new compression casting approach. *Resources, Conservation and Recycling*, **2021**, 167, 105353	11.9	34
179	Analysis-oriented stress-strain model for FRP-confined predamaged concrete. *Journal of Building Engineering*, **2021**, 36, 102121	5.2	1
178	Axial Stress-Strain Performance of Recycled Aggregate Concrete Reinforced with Macro-Polypropylene Fibres. *Sustainability*, **2021**, 13, 5741	3.6	3
177	A new theoretical method for predicting the elastoplastic behavior of ductile metallic materials. *International Journal of Mechanical Sciences*, **2021**, 200, 106450	5.5	0
176	Shear behaviour of the UHPC-NSC interface with castellated keys: Effects of castellated key dimension and dowel rebar. *Structures*, **2021**, 31, 172-181	3.4	4
175	Investigation of thermal performance of concrete incorporating different types of recycled coarse aggregates. *Construction and Building Materials*, **2021**, 270, 121433	6.7	9
174	Experimental study on the evolution of necking zones of metallic materials. *International Journal of Mechanical Sciences*, **2021**, 189, 106002	5.5	7
173	Axial stress-strain performance of steel spiral confined acetic acid immersed and mechanically rubbed recycled aggregate concrete. *Journal of Building Engineering*, **2021**, 34, 101891	5.2	8
172	Method to Identify Stress‐Strain Relationship of FRP-Confined Concrete under Eccentric Load. *Journal of Composites for Construction*, **2021**, 25, 04020080	3.3	1
171	Flexural design of reinforced concrete structures strengthened with hybrid bonded FRP. *Composite Structures*, **2021**, 269, 113996	5.3	2
170	Mechanical behavior of FRP confined rubber concrete under monotonic and cyclic loading. *Composite Structures*, **2021**, 272, 114205	5.3	0
169	Stress‐Strain Behavior of FRP-Confined Recycled Aggregate Concrete in Square Columns of Different Sizes. *Journal of Composites for Construction*, **2021**, 25, 04021040	3.3	2
168	Preliminary Investigation of an Approach to Improve Water Impermeability in Concrete with Externally Bonded FRP Systems. *Journal of Composites for Construction*, **2021**, 25, 06021002	3.3	0
167	Effects of predamage and load cyclic on compression behavior of fiber reinforced polymer-confined concrete. *Structural Concrete*, **2021**, 22, 1784-1799	2.6	6
166	Influence of Concrete Strength on the Stress-Strain Behavior of Spirally Confined Recycled Aggregate Concrete. *IOP Conference Series: Materials Science and Engineering*, **2020**, 829, 012004	0.4	8
165	Development of a unified model to predict the axial stress‐strain behavior of recycled aggregate concrete confined through spiral reinforcement. *Engineering Structures*, **2020**, 218, 110851	4.7	17
164	Effect of low strain rate on the axial behavior of concrete in CFRP-confined circular cylinders. *Construction and Building Materials*, **2020**, 255, 119351	6.7	8
163	Axial Strength of Eccentrically Loaded FRP-Confined Short Concrete Columns. *Polymers*, **2020**, 12,	4.5	12

162	Effect of different aggregate treatment techniques on the freeze-thaw and sulfate resistance of recycled aggregate concrete. *Cold Regions Science and Technology*, **2020**, 178, 103126	3.8	38
161	PET FRP-concrete-high strength steel hybrid solid columns with strain-hardening and ductile performance: Cyclic axial compressive behavior. *Composites Part B: Engineering*, **2020**, 190, 107903	10	39
160	Stress strain performance of steel spiral confined recycled aggregate concrete. *Cement and Concrete Composites*, **2020**, 108, 103535	8.6	25
159	Effect of compression casting method on the compressive strength, elastic modulus and microstructure of rubber concrete. *Journal of Cleaner Production*, **2020**, 264, 121746	10.3	41
158	Energy balance method for modeling ultimate strain of fiber-reinforced polymer-repaired concrete. *Structural Concrete*, **2020**, 21, 804-820	2.6	5
157	Reliability-based design of FRP flexural strengthened reinforced concrete beams: Guidelines assessment and calibration. *Engineering Structures*, **2020**, 209, 109953	4.7	10
156	A stress-path-independent damage variable for concrete under multiaxial stress conditions. *International Journal of Solids and Structures*, **2020**, 206, 59-74	3.1	2
155	Strengthening single-bolt timber joints with externally bonded CFRP composites. *Structures*, **2020**, 28, 2671-2685	3.4	1
154	Bond characteristics and debonding mechanism of FRP□oncrete interface **2020**, 87-185		
153	FRP strengthening of concrete columns **2020**, 387-480		
152	Mechanical and Post-Cracking Performance of Recycled Aggregate Concrete Incorporating Synthetic Fibers. *IOP Conference Series: Materials Science and Engineering*, **2020**, 829, 012003	0.4	9
151	Effect of recycled aggregate treatment techniques on the durability of concrete: A comparative evaluation. *Construction and Building Materials*, **2020**, 264, 120284	6.7	42
150	Fused structures for safer and more economical constructions. *Frontiers of Structural and Civil Engineering*, **2020**, 14, 1-9	2.5	7
149	Influence of different treatment methods on the mechanical behavior of recycled aggregate concrete: A comparative study. *Cement and Concrete Composites*, **2019**, 104, 103398	8.6	67
148	Analytical method for derivation of stress block parameters for flexural design of FRP reinforced concrete members. *Composite Structures*, **2019**, 229, 111459	5.3	7
147	Effect of Interfacial Bond on Plastic Hinge Length of FRP-Confined RC Columns. *Journal of Composites for Construction*, **2019**, 23, 04019007	3.3	9
146	Axial stress-strain behavior of macro-synthetic fiber reinforced recycled aggregate concrete. *Cement and Concrete Composites*, **2019**, 97, 341-356	8.6	64
145	Bond behavior of basalt textile meshes in ultra-high ductility cementitious composites. *Composites Part B: Engineering*, **2019**, 174, 107022	10	22

144	State-of-the-art review on the bond properties of corroded reinforcing steel bar. *Construction and Building Materials*, **2019**, 213, 216-233	6.7	61
143	Confinement effectiveness of circular concrete-filled steel tubular columns under axial compression. *Journal of Constructional Steel Research*, **2019**, 158, 15-27	3.8	41
142	Stress-strain behavior of spirally confined recycled aggregate concrete: An approach towards sustainable design. *Resources, Conservation and Recycling*, **2019**, 146, 127-139	11.9	32
141	Aggregate size effects and general static loading response on mechanical behavior of passively confined concrete. *Construction and Building Materials*, **2019**, 205, 61-72	6.7	4
140	Performance of normalization method for steel with different strain hardening levels and effective yield strengths. *Engineering Fracture Mechanics*, **2019**, 218, 106594	4.2	9
139	Development of extended Drucker–Prager model for non-uniform FRP-confined concrete based on triaxial tests. *Construction and Building Materials*, **2019**, 224, 1-18	6.7	16
138	Width effect of interfacial bond characteristics. *Construction and Building Materials*, **2019**, 220, 712-726	6.7	10
137	Application of RC flexural theorems for member design under elevated temperature. *Engineering Structures*, **2019**, 201, 109762	4.7	4
136	Characterization of model uncertainty of adhesively bonded CFRP-to-steel joints. *Composite Structures*, **2019**, 215, 150-165	5.3	19
135	Reliability assessment for flexural FRP-Strengthened reinforced concrete beams based on Importance Sampling. *Composites Part B: Engineering*, **2019**, 156, 378-398	10	26
134	Stress-strain model for FRP-confined concrete subject to arbitrary load path. *Composites Part B: Engineering*, **2019**, 163, 9-25	10	42
133	Experimental Evaluation of Precast Concrete Beam-Column Connections with High-strength Steel Rebars. *KSCE Journal of Civil Engineering*, **2019**, 23, 238-250	1.9	12
132	Stress–Strain Relation of FRP-Confined Predamaged Concrete Prisms with Square Sections of Different Corner Radii Subjected to Monotonic Axial Compression. *Journal of Composites for Construction*, **2019**, 23, 04019001	3.3	31
131	Analytical model for the bond stress-slip relationship of deformed bars in normal strength concrete. *Construction and Building Materials*, **2019**, 198, 570-586	6.7	42
130	Modified plastic-damage model for passively confined concrete based on triaxial tests. *Composites Part B: Engineering*, **2019**, 159, 211-223	10	14
129	Fatigue retrofitting of cracked steel beams with CFRP laminates. *Composite Structures*, **2018**, 192, 232-244	5.5	43
128	Curve smoothing using a continuous function. *Journal of Zhejiang University: Science A*, **2018**, 19, 304-314	2.1	0
127	Effect of defects in externally bonded FRP reinforced concrete. *Construction and Building Materials*, **2018**, 172, 63-76	6.7	51

126	Development and Seismic Behavior of Precast Concrete Beam-to-Column Connections. *Journal of Earthquake Engineering*, **2018**, 22, 234-256	1.8	32
125	Thermal performance enhancement of eco-friendly bricks incorporating agro-wastes. *Energy and Buildings*, **2018**, 158, 1117-1129	7	50
124	Predicting external water pressure and cracking of a tunnel lining by measuring water inflow rate. *Tunnelling and Underground Space Technology*, **2018**, 71, 115-125	5.7	22
123	Stress-strain relationship of FRP confined concrete columns under combined axial load and bending moment. *Composites Part B: Engineering*, **2018**, 134, 207-217	10	49
122	Fatigue behaviour of cracked steel beams retrofitted with carbon fibre reinforced polymer laminates. *Advances in Structural Engineering*, **2018**, 21, 1148-1161	1.9	2
121	Flexural performance of FRP-plated RC beams using H-type end anchorage. *Composite Structures*, **2018**, 206, 11-21	5.3	25
120	Degradation of steel-to-concrete bond due to corrosion. *Construction and Building Materials*, **2018**, 158, 1073-1080	6.7	75
119	Fully probabilistic analysis of FRP-to-concrete bonded joints considering model uncertainty. *Composite Structures*, **2018**, 185, 786-806	5.3	74
118	Thermal performance evaluation of eco-friendly bricks incorporating waste glass sludge. *Journal of Cleaner Production*, **2018**, 172, 1867-1880	10.3	53
117	Thermally efficient fired clay bricks incorporating waste marble sludge: An industrial-scale study. *Journal of Cleaner Production*, **2018**, 174, 1122-1135	10.3	77
116	A Literature Review on Alkali Silica Reactivity of Concrete. *International Journal of Strategic Engineering*, **2018**, 1, 43-62	0.7	3
115	Numerical Investigation of the Nonlinear Composite Action of FRP-Concrete Hybrid Beams/Decks. *Applied Sciences (Switzerland)*, **2018**, 8, 2031	2.6	4
114	Degradation of the In-plane Shear Modulus of Structural BFRP Laminates Due to High Temperature. *Sensors*, **2018**, 18,	3.8	16
113	Epoxy interlocking: A novel approach to enhance FRP-to-concrete bond behavior. *Construction and Building Materials*, **2018**, 193, 643-653	6.7	21
112	A three-step analytical scheme for estimating the steady-state chloride diffusion coefficient of mature cement paste. *Construction and Building Materials*, **2018**, 191, 1004-1010	6.7	3
111	Effect of macro-synthetic fibers on the fracture energy and mechanical behavior of recycled aggregate concrete. *Construction and Building Materials*, **2018**, 189, 857-868	6.7	53
110	Effect of shear span-to-depth ratio on shear strength components of RC beams. *Engineering Structures*, **2018**, 168, 770-783	4.7	45
109	Cyclic stress-strain model for FRP-confined concrete considering post-peak softening. *Composite Structures*, **2018**, 201, 902-915	5.3	51

108	Triaxial test for concrete under non-uniform passive confinement. *Construction and Building Materials*, **2017**, 138, 455-468	6.7	23
107	Effect of aggregate size on stress-strain behavior of concrete confined by fiber composites. *Composite Structures*, **2017**, 168, 851-862	5.3	58
106	Effect of Load Path on Behavior of FRP-Confined Concrete. *Journal of Composites for Construction*, **2017**, 21, 04017014	3.3	17
105	Reinforced Concrete Behavior, Research, Development, and Design through Partial-Interaction Mechanics. *Journal of Structural Engineering*, **2017**, 143, 02517002	3	9
104	Shear Strength Components in Reinforced Concrete Members. *Journal of Structural Engineering*, **2017**, 143, 04017092	3	39
103	Quantification of shear cracking in reinforced concrete beams. *Engineering Structures*, **2017**, 147, 666-678	4.7	45
102	Effect of load cycling on plastic hinge length in RC columns. *Engineering Structures*, **2017**, 147, 90-102	4.7	22
101	Pozzolanic reaction of sugarcane bagasse ash and its role in controlling alkali silica reaction. *Construction and Building Materials*, **2017**, 148, 231-240	6.7	59
100	Fatigue durability of cracked steel beams retrofitted with high-strength materials. *Construction and Building Materials*, **2017**, 155, 1188-1197	6.7	16
99	Width factor for externally bonded FRP-to-concrete joints. *Construction and Building Materials*, **2017**, 155, 818-829	6.7	17
98	Experimental study on the bond behavior between corroded rebar and concrete under dual action of FRP confinement and sustained loading. *Construction and Building Materials*, **2017**, 155, 605-616	6.7	19
97	Efficiency of waste marble powder in controlling alkali–silica reaction of concrete: A sustainable approach. *Construction and Building Materials*, **2017**, 154, 590-599	6.7	51
96	Discussion of "Modified Plastic-Hinge Method for Circular RC Bridge Columns" by Jason C. Goodnight, Mervyn J. Kowalsky, and James M. Nau. *Journal of Structural Engineering*, **2017**, 143, 07017003	3	4
95	Modelling plastic hinge of FRP-confined RC columns. *Engineering Structures*, **2017**, 131, 651-668	4.7	38
94	Fatigue Strengthening of Cracked Steel Beams with Different Configurations and Materials. *Journal of Composites for Construction*, **2017**, 21, 04016093	3.3	48
93	Energy Balance Method for Modeling Ultimate Strain of Confined Concrete. *ACI Structural Journal*, **2017**, 114,	1.7	9
92	Random-Walk Algorithm for Chloride Diffusivity of Concrete with Aggregate Shape Effect. *Journal of Materials in Civil Engineering*, **2016**, 28, 04016153	3	9
91	Plasticity-based criterion for confinement design of FRP jacketed concrete columns. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 2035-2051	3.4	21

90	Experimental Study of Concrete Columns with Localized Failure. *Journal of Composites for Construction*, **2016**, 20, 04016032	3.3	14
89	Theorems for Flexural Design of RC Members. *Journal of Structural Engineering*, **2016**, 142, 04015172	3	8
88	Unified model for evaluating ultimate strain of FRP confined concrete based on energy method. *Construction and Building Materials*, **2016**, 103, 23-35	6.7	20
87	Stress□Strain Modeling of Concrete Columns with Localized Failure: An Analytical Study. *Journal of Composites for Construction*, **2016**, 20, 04015071	3.3	12
86	Bond-Test Protocol for Plate-to-Concrete Interface Involving All Mechanisms. *Journal of Composites for Construction*, **2016**, 20, 04015022	3.3	18
85	Cross-Sectional Unification on the Stress-Strain Model of Concrete Subjected to High Passive Confinement by Fiber-Reinforced Polymer. *Polymers*, **2016**, 8,	4.5	39
84	Numerical Analysis of Interfacial Bond Behavior of Externally Bonded FRP-to-Concrete Joints. *Journal of Composites for Construction*, **2016**, 20, 04016028	3.3	15
83	Stress□train behavior of actively and passively confined concrete under cyclic axial load. *Composite Structures*, **2016**, 149, 369-384	5.3	58
82	Cyclic response of FRP-confined concrete with post-peak strain softening behavior. *Construction and Building Materials*, **2016**, 123, 814-828	6.7	53
81	Mechanical behavior of steel-reinforced concrete-filled steel tubular (SRCFST) columns under uniaxial compressive loading. *Thin-Walled Structures*, **2015**, 97, 1-10	4.7	27
80	Stress□train model of FRP confined concrete under cyclic loading. *Composite Structures*, **2015**, 134, 60-71	5.3	61
79	General Stress-Strain Model for Steel- and FRP-Confined Concrete. *Journal of Composites for Construction*, **2015**, 19, 04014069	3.3	83
78	An analytical model for predicting the response of RC beams strengthened with strain localized steel plate. *Construction and Building Materials*, **2015**, 74, 140-150	6.7	1
77	A thermodynamically consistent nonlocal damage model for concrete materials with unilateral effects. *Computer Methods in Applied Mechanics and Engineering*, **2015**, 297, 371-391	5.7	23
76	Analytical Solution for Externally Bonded Joints Considering Snap-Back. *Journal of Composites for Construction*, **2015**, 19, 04014077	3.3	9
75	Analytical modeling of bond behavior between FRP plate and concrete. *Composites Part B: Engineering*, **2014**, 61, 17-25	10	48
74	An analytical method for determining the crack extension resistance curve of concrete. *Magazine of Concrete Research*, **2014**, 66, 719-728	2	16
73	Plastic Hinge Length of FRP-Confined Square RC Columns. *Journal of Composites for Construction*, **2014**, 18, 04014003	3.3	66

72	Numerical study on flexural behaviors of steel reinforced engineered cementitious composite (ECC) and ECC/concrete composite beams. *Science China Technological Sciences*, **2014**, 57, 637-645	3.5	31
71	Peak strength and ultimate strain prediction for FRP confined square and circular concrete sections. *Composites Part B: Engineering*, **2014**, 67, 543-554	10	66
70	Compression behavior of concrete columns confined by high strength steel wire. *Construction and Building Materials*, **2014**, 54, 443-453	6.7	50
69	Characterization of Yield Surfaces for FRP-Confined Concrete. *Journal of Engineering Mechanics - ASCE*, **2014**, 140, 04014096	2.4	27
68	Effect of Predamage on the Stress-Strain Relationship of Confined Concrete under Monotonic Loading. *Journal of Structural Engineering*, **2014**, 140, 04014093	3	60
67	Debonding Inhibiting Mechanism of Strain Localization Plating System. *Journal of Structural Engineering*, **2014**, 140, 04014049	3	2
66	Quantification of Bond-Slip Relationship for Externally Bonded FRP-to-Concrete Joints. *Journal of Composites for Construction*, **2013**, 17, 673-686	3.3	143
65	Effect of load eccentricity on the stress–strain relationship of FRP-confined concrete columns. *Composite Structures*, **2013**, 98, 228-241	5.3	139
64	Characterization of Mechanically Enhanced FRP Bonding System. *Journal of Composites for Construction*, **2013**, 17, 34-49	3.3	32
63	Preventing debonding at the steel to concrete interface through strain localization. *Composites Part B: Engineering*, **2013**, 45, 1061-1070	10	10
62	Effective strain of FRP for confined circular concrete columns. *Composite Structures*, **2013**, 95, 479-491	5.3	125
61	Unified Bond Stress–Slip Model for Reinforced Concrete. *Journal of Structural Engineering*, **2013**, 139, 1951-1962	3	76
60	An efficient method for the compressive behavior of FRP-confined concrete cylinders. *Computers and Concrete*, **2013**, 12, 499-518		0
59	Unified stress–strain model of concrete for FRP-confined columns. *Construction and Building Materials*, **2012**, 26, 381-392	6.7	217
58	Plastic hinge analysis of FRP confined circular concrete columns. *Construction and Building Materials* , **2012**, 27, 223-233	6.7	34
57	A numerical method for the chloride diffusivity in concrete with aggregate shape effect. *Construction and Building Materials*, **2012**, 31, 151-156	6.7	67
56	Identification of material parameters for Drucker–Prager plasticity model for FRP confined circular concrete columns. *International Journal of Solids and Structures*, **2012**, 49, 445-456	3.1	105
55	Analyses of plastic hinge regions in reinforced concrete beams under monotonic loading. *Engineering Structures*, **2012**, 34, 466-482	4.7	61

54	Analytical solution for the bond strength of externally bonded reinforcement. *Composite Structures*, **2012**, 94, 3232-3239	5.3	64
53	Analytical identification of bond–slip relationship of EB-FRP joints. *Composites Part B: Engineering*, **2012**, 43, 1955-1963	10	56
52	General model for constitutive relationships of concrete and its composite structures. *Composite Structures*, **2012**, 94, 580-592	5.3	48
51	A Scientific Problem and Analytical Method for Structure Reinforcement. *Advanced Materials Research*, **2012**, 446-449, 3569-3572	0.5	
50	Application of Drucker-Prager Plasticity Model for Stress-Strain Modeling of FRP Confined Concrete Columns. *Procedia Engineering*, **2011**, 14, 687-694		16
49	Plastic Hinge Length in Reinforced Concrete Flexural Members. *Procedia Engineering*, **2011**, 14, 1266-1274		30
48	Durability of CFRP–concrete joints under freeze–thaw cycling. *Cold Regions Science and Technology*, **2011**, 65, 401-412	3.8	76
47	Controlling the damage of concrete columns through compression yielding. *Structural Control and Health Monitoring*, **2011**, 18, 890-907	4.5	8
46	Dynamic analysis of partial-interaction composite beams. *Composites Science and Technology*, **2011**, 71, 1286-1294	8.6	28
45	Application of improved hybrid bonded FRP technique to FRP debonding prevention. *Construction and Building Materials*, **2011**, 25, 2898-2905	6.7	35
44	Improved hybrid bonding technique for attaching FRP to reinforced concrete beams. *Magazine of Concrete Research*, **2011**, 63, 861-869	2	11
43	Stress-Strain Modeling of Rectangular Concrete Columns Confined by FRP Jacket **2011**, 618-621		0
42	Durability of CFRP Bonding System under Freeze-Thaw Cycling **2011**, 364-367		
41	Confinement Effectiveness of FRP in Retrofitting Circular Concrete Columns under Simulated Seismic Load. *Journal of Composites for Construction*, **2010**, 14, 531-540	3.3	56
40	Unified Strength Model Based on Hoek-Brown Failure Criterion for Circular and Square Concrete Columns Confined by FRP. *Journal of Composites for Construction*, **2010**, 14, 175-184	3.3	131
39	Parametric space for the optimal design of compression-yielding FRP-reinforced concrete beams. *Materials and Structures/Materiaux Et Constructions*, **2010**, 43, 81-97	3.4	16
38	Effect of cross-sectional aspect ratio on the strength of CFRP-confined rectangular concrete columns. *Engineering Structures*, **2010**, 32, 32-45	4.7	235
37	Analytical modeling of the bond–slip relationship at FRP-concrete interfaces for adhesively-bonded joints. *Composites Part B: Engineering*, **2010**, 41, 423-433	10	114

36	Performance-based optimal design of compression-yielding FRP-reinforced concrete beams. *Composite Structures*, **2010**, 93, 113-123	5.3	22
35	Perforated SIFCON blocks An extraordinarily ductile material ideal for use in compression yielding structural systems. *Construction and Building Materials*, **2010**, 24, 2454-2465	6.7	17
34	Analytical Method for Failure of Anchor-Grout-Concrete Anchorage due to Concrete Cone Failure and Interfacial Debonding. *Journal of Structural Engineering*, **2009**, 135, 356-365	3	11
33	Numerical Analyses of Hybrid-Bonded FRP Strengthened Concrete Beams. *Computer-Aided Civil and Infrastructure Engineering*, **2009**, 24, 371-384	8.4	44
32	Analytic stress intensity factors for finite elastic disk using symplectic expansion. *Engineering Fracture Mechanics*, **2009**, 76, 1866-1882	4.2	31
31	Ductility analysis of compression-yielding FRP-reinforced composite beams. *Cement and Concrete Composites*, **2009**, 31, 682-691	8.6	20
30	Analytical study of beams strengthened by adhesively bonded reinforcement with variable properties using state space method. *Composites Science and Technology*, **2009**, 69, 1912-1918	8.6	12
29	The structural behavior and design methodology for a new building system consisting of glass fiber reinforced gypsum panels. *Construction and Building Materials*, **2009**, 23, 2905-2913	6.7	23
28	Unified Strength Model for Square and Circular Concrete Columns Confined by External Jacket. *Journal of Structural Engineering*, **2009**, 135, 253-261	3	112
27	Nonlinear Vibration and Dynamic Response of Three-Dimensional Braided Composite Plates. *Mechanics of Advanced Materials and Structures*, **2008**, 15, 53-63	1.8	8
26	Hybrid Bonding of FRP to Reinforced Concrete Structures. *Journal of Composites for Construction*, **2008**, 12, 266-273	3.3	93
25	Experimental Investigation on Seismic Retrofitting of Square RC Columns by Carbon FRP Sheet Confinement Combined with Transverse Short Glass FRP Bars in Bored Holes. *Journal of Composites for Construction*, **2008**, 12, 53-60	3.3	31
24	Effect of corner radius on the performance of CFRP-confined square concrete columns: Test. *Engineering Structures*, **2008**, 30, 493-505	4.7	313
23	Free vibration and buckling of composite beams with interlayer slip by two-dimensional theory. *Journal of Sound and Vibration*, **2008**, 313, 875-890	3.9	27
22	A fracture energy based constitutive model for the analysis of reinforced concrete structures under cyclic loading. *Computer Methods in Applied Mechanics and Engineering*, **2008**, 197, 4745-4762	5.7	36
21	Performance of FRP bonding systems under fatigue loading. *Engineering Structures*, **2008**, 30, 3129-3140	4.7	98
20	Shear strength of concrete filled glass fiber reinforced gypsum walls. *Materials and Structures/Materiaux Et Constructions*, **2008**, 41, 649-662	3.4	14
19	State space formulation for composite beam-columns with partial interaction. *Composites Science and Technology*, **2007**, 67, 2500-2512	8.6	30

18	Interfacial stresses of FRP strengthened concrete beams: Effect of shear deformation. *Composite Structures*, **2007**, 80, 343-351	5.3	36
17	Two-dimensional analytical solutions of simply supported composite beams with interlayer slips. *International Journal of Solids and Structures*, **2007**, 44, 165-175	3.1	60
16	Free vibrations of the partial-interaction composite members with axial force. *Journal of Sound and Vibration*, **2007**, 299, 1074-1093	3.9	49
15	Static, dynamic, and buckling analysis of partial interaction composite members using Timoshenko's beam theory. *International Journal of Mechanical Sciences*, **2007**, 49, 1139-1155	5.5	124
14	Fundamental Principles That Govern Retrofitting of Reinforced Concrete Columns by Steel and FRP Jacketing. *Advances in Structural Engineering*, **2006**, 9, 507-533	1.9	102
13	New Avenue of Achieving Ductility for Reinforced Concrete Members. *Journal of Structural Engineering*, **2006**, 132, 1502-1506	3	27
12	Flexural and Shear Strength of Composite Lintels in Glass-Fiber-Reinforced Gypsum Wall Constructions. *Journal of Materials in Civil Engineering*, **2006**, 18, 415-423	3	13
11	Thermo-mechanical post-buckling of FGM cylindrical panels with temperature-dependent properties. *International Journal of Solids and Structures*, **2006**, 43, 307-324	3.1	126
10	Nonlinear vibration of a coating-FGM-substrate cylindrical panel subjected to a temperature gradient. *Computer Methods in Applied Mechanics and Engineering*, **2006**, 195, 1007-1026	5.7	91
9	A 2D total strain based constitutive model for predicting the behaviors of concrete structures. *International Journal of Engineering Science*, **2006**, 44, 1280-1303	5.7	26
8	Behaviour of Steel Plated RC Columns Subject to Lateral Loading. *Advances in Structural Engineering*, **2005**, 8, 333-347	1.9	9
7	Numerical manifold method based on the method of weighted residuals. *Computational Mechanics*, **2005**, 35, 470-480	4	47
6	Axial and Shear Behavior of Glass Fiber Reinforced Gypsum Wall Panels: Tests. *Journal of Composites for Construction*, **2004**, 8, 569-578	3.3	20
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