

Yu-Fei Wu

List of Publications by Citations

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L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 197 | Effect of corner radius on the performance of CFRP-confined square concrete columns: Test. <i>Engineering Structures</i> , 2008 , 30, 493-505 | 4.7 | 313 |
| 196 | Effect of cross-sectional aspect ratio on the strength of CFRP-confined rectangular concrete columns. <i>Engineering Structures</i> , 2010 , 32, 32-45 | 4.7 | 235 |
| 195 | Unified stress-strain model of concrete for FRP-confined columns. <i>Construction and Building Materials</i> , 2012 , 26, 381-392 | 6.7 | 217 |
| 194 | Quantification of Bond-Slip Relationship for Externally Bonded FRP-to-Concrete Joints. <i>Journal of Composites for Construction</i> , 2013 , 17, 673-686 | 3.3 | 143 |
| 193 | Effect of load eccentricity on the stress-strain relationship of FRP-confined concrete columns. <i>Composite Structures</i> , 2013 , 98, 228-241 | 5.3 | 139 |
| 192 | Unified Strength Model Based on Hoek-Brown Failure Criterion for Circular and Square Concrete Columns Confined by FRP. <i>Journal of Composites for Construction</i> , 2010 , 14, 175-184 | 3.3 | 131 |
| 191 | Thermo-mechanical post-buckling of FGM cylindrical panels with temperature-dependent properties. <i>International Journal of Solids and Structures</i> , 2006 , 43, 307-324 | 3.1 | 126 |
| 190 | Effective strain of FRP for confined circular concrete columns. <i>Composite Structures</i> , 2013 , 95, 479-491 | 5.3 | 125 |
| 189 | Static, dynamic, and buckling analysis of partial interaction composite members using Timoshenko's beam theory. <i>International Journal of Mechanical Sciences</i> , 2007 , 49, 1139-1155 | 5.5 | 124 |
| 188 | Analytical modeling of the bond-slip relationship at FRP-concrete interfaces for adhesively-bonded joints. <i>Composites Part B: Engineering</i> , 2010 , 41, 423-433 | 10 | 114 |
| 187 | Unified Strength Model for Square and Circular Concrete Columns Confined by External Jacket. <i>Journal of Structural Engineering</i> , 2009 , 135, 253-261 | 3 | 112 |
| 186 | Identification of material parameters for Drucker-Prager plasticity model for FRP confined circular concrete columns. <i>International Journal of Solids and Structures</i> , 2012 , 49, 445-456 | 3.1 | 105 |
| 185 | Fundamental Principles That Govern Retrofitting of Reinforced Concrete Columns by Steel and FRP Jacketing. <i>Advances in Structural Engineering</i> , 2006 , 9, 507-533 | 1.9 | 102 |
| 184 | Performance of FRP bonding systems under fatigue loading. <i>Engineering Structures</i> , 2008 , 30, 3129-3140 | 4.7 | 98 |
| 183 | Hybrid Bonding of FRP to Reinforced Concrete Structures. <i>Journal of Composites for Construction</i> , 2008 , 12, 266-273 | 3.3 | 93 |
| 182 | Nonlinear vibration of a coating-FGM-substrate cylindrical panel subjected to a temperature gradient. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 1007-1026 | 5.7 | 91 |
| 181 | General Stress-Strain Model for Steel- and FRP-Confined Concrete. <i>Journal of Composites for Construction</i> , 2015 , 19, 04014069 | 3.3 | 83 |

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| 180 | Thermally efficient fired clay bricks incorporating waste marble sludge: An industrial-scale study. <i>Journal of Cleaner Production</i> , 2018 , 174, 1122-1135 | 10.3 | 77 |
| 179 | Unified Bond Stress-Slip Model for Reinforced Concrete. <i>Journal of Structural Engineering</i> , 2013 , 139, 1951-1962 | 3 | 76 |
| 178 | Durability of CFRP-concrete joints under freeze-thaw cycling. <i>Cold Regions Science and Technology</i> , 2011 , 65, 401-412 | 3.8 | 76 |
| 177 | Degradation of steel-to-concrete bond due to corrosion. <i>Construction and Building Materials</i> , 2018 , 158, 1073-1080 | 6.7 | 75 |
| 176 | Fully probabilistic analysis of FRP-to-concrete bonded joints considering model uncertainty. <i>Composite Structures</i> , 2018 , 185, 786-806 | 5.3 | 74 |
| 175 | Influence of different treatment methods on the mechanical behavior of recycled aggregate concrete: A comparative study. <i>Cement and Concrete Composites</i> , 2019 , 104, 103398 | 8.6 | 67 |
| 174 | A numerical method for the chloride diffusivity in concrete with aggregate shape effect. <i>Construction and Building Materials</i> , 2012 , 31, 151-156 | 6.7 | 67 |
| 173 | Plastic Hinge Length of FRP-Confined Square RC Columns. <i>Journal of Composites for Construction</i> , 2014 , 18, 04014003 | 3.3 | 66 |
| 172 | Peak strength and ultimate strain prediction for FRP confined square and circular concrete sections. <i>Composites Part B: Engineering</i> , 2014 , 67, 543-554 | 10 | 66 |
| 171 | Axial stress-strain behavior of macro-synthetic fiber reinforced recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2019 , 97, 341-356 | 8.6 | 64 |
| 170 | Analytical solution for the bond strength of externally bonded reinforcement. <i>Composite Structures</i> , 2012 , 94, 3232-3239 | 5.3 | 64 |
| 169 | State-of-the-art review on the bond properties of corroded reinforcing steel bar. <i>Construction and Building Materials</i> , 2019 , 213, 216-233 | 6.7 | 61 |
| 168 | Stress-strain model of FRP confined concrete under cyclic loading. <i>Composite Structures</i> , 2015 , 134, 60-71 | 5.3 | 61 |
| 167 | Analyses of plastic hinge regions in reinforced concrete beams under monotonic loading. <i>Engineering Structures</i> , 2012 , 34, 466-482 | 4.7 | 61 |
| 166 | Effect of Predamage on the Stress-Strain Relationship of Confined Concrete under Monotonic Loading. <i>Journal of Structural Engineering</i> , 2014 , 140, 04014093 | 3 | 60 |
| 165 | Two-dimensional analytical solutions of simply supported composite beams with interlayer slips. <i>International Journal of Solids and Structures</i> , 2007 , 44, 165-175 | 3.1 | 60 |
| 164 | Pozzolanic reaction of sugarcane bagasse ash and its role in controlling alkali silica reaction. <i>Construction and Building Materials</i> , 2017 , 148, 231-240 | 6.7 | 59 |
| 163 | Effect of aggregate size on stress-strain behavior of concrete confined by fiber composites. <i>Composite Structures</i> , 2017 , 168, 851-862 | 5.3 | 58 |

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| 162 | Stress-strain behavior of actively and passively confined concrete under cyclic axial load. <i>Composite Structures</i> , 2016 , 149, 369-384 | 5-3 | 58 |
| 161 | PARTIAL-INTERACTION ANALYSIS OF COMPOSITE BEAM/COLUMN MEMBERS*. <i>Mechanics Based Design of Structures and Machines</i> , 2002 , 30, 309-332 | | 57 |
| 160 | Analytical identification of bond-slip relationship of EB-FRP joints. <i>Composites Part B: Engineering</i> , 2012 , 43, 1955-1963 | 10 | 56 |
| 159 | Confinement Effectiveness of FRP in Retrofitting Circular Concrete Columns under Simulated Seismic Load. <i>Journal of Composites for Construction</i> , 2010 , 14, 531-540 | 3-3 | 56 |
| 158 | Cyclic response of FRP-confined concrete with post-peak strain softening behavior. <i>Construction and Building Materials</i> , 2016 , 123, 814-828 | 6-7 | 53 |
| 157 | Thermal performance evaluation of eco-friendly bricks incorporating waste glass sludge. <i>Journal of Cleaner Production</i> , 2018 , 172, 1867-1880 | 10-3 | 53 |
| 156 | Effect of macro-synthetic fibers on the fracture energy and mechanical behavior of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2018 , 189, 857-868 | 6-7 | 53 |
| 155 | Effect of defects in externally bonded FRP reinforced concrete. <i>Construction and Building Materials</i> , 2018 , 172, 63-76 | 6-7 | 51 |
| 154 | Efficiency of waste marble powder in controlling alkali-silica reaction of concrete: A sustainable approach. <i>Construction and Building Materials</i> , 2017 , 154, 590-599 | 6-7 | 51 |
| 153 | Cyclic stress-strain model for FRP-confined concrete considering post-peak softening. <i>Composite Structures</i> , 2018 , 201, 902-915 | 5-3 | 51 |
| 152 | Thermal performance enhancement of eco-friendly bricks incorporating agro-wastes. <i>Energy and Buildings</i> , 2018 , 158, 1117-1129 | 7 | 50 |
| 151 | Compression behavior of concrete columns confined by high strength steel wire. <i>Construction and Building Materials</i> , 2014 , 54, 443-453 | 6-7 | 50 |
| 150 | Stress-strain relationship of FRP confined concrete columns under combined axial load and bending moment. <i>Composites Part B: Engineering</i> , 2018 , 134, 207-217 | 10 | 49 |
| 149 | Free vibrations of the partial-interaction composite members with axial force. <i>Journal of Sound and Vibration</i> , 2007 , 299, 1074-1093 | 3-9 | 49 |
| 148 | Analytical modeling of bond behavior between FRP plate and concrete. <i>Composites Part B: Engineering</i> , 2014 , 61, 17-25 | 10 | 48 |
| 147 | Fatigue Strengthening of Cracked Steel Beams with Different Configurations and Materials. <i>Journal of Composites for Construction</i> , 2017 , 21, 04016093 | 3-3 | 48 |
| 146 | General model for constitutive relationships of concrete and its composite structures. <i>Composite Structures</i> , 2012 , 94, 580-592 | 5-3 | 48 |
| 145 | Numerical manifold method based on the method of weighted residuals. <i>Computational Mechanics</i> , 2005 , 35, 470-480 | 4 | 47 |

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| 144 | Quantification of shear cracking in reinforced concrete beams. <i>Engineering Structures</i> , 2017 , 147, 666-678 | 4.7 | 45 |
| 143 | Effect of shear span-to-depth ratio on shear strength components of RC beams. <i>Engineering Structures</i> , 2018 , 168, 770-783 | 4.7 | 45 |
| 142 | Numerical Analyses of Hybrid-Bonded FRP Strengthened Concrete Beams. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2009 , 24, 371-384 | 8.4 | 44 |
| 141 | Fatigue retrofitting of cracked steel beams with CFRP laminates. <i>Composite Structures</i> , 2018 , 192, 232-244 | 4.5 | 43 |
| 140 | The effect of longitudinal reinforcement on the cyclic shear behavior of glass fiber reinforced gypsum wall panels: tests. <i>Engineering Structures</i> , 2004 , 26, 1633-1646 | 4.7 | 42 |
| 139 | Effect of recycled aggregate treatment techniques on the durability of concrete: A comparative evaluation. <i>Construction and Building Materials</i> , 2020 , 264, 120284 | 6.7 | 42 |
| 138 | Stress-strain model for FRP-confined concrete subject to arbitrary load path. <i>Composites Part B: Engineering</i> , 2019 , 163, 9-25 | 10 | 42 |
| 137 | Analytical model for the bond stress-slip relationship of deformed bars in normal strength concrete. <i>Construction and Building Materials</i> , 2019 , 198, 570-586 | 6.7 | 42 |
| 136 | Confinement effectiveness of circular concrete-filled steel tubular columns under axial compression. <i>Journal of Constructional Steel Research</i> , 2019 , 158, 15-27 | 3.8 | 41 |
| 135 | Effect of compression casting method on the compressive strength, elastic modulus and microstructure of rubber concrete. <i>Journal of Cleaner Production</i> , 2020 , 264, 121746 | 10.3 | 41 |
| 134 | Shear Strength Components in Reinforced Concrete Members. <i>Journal of Structural Engineering</i> , 2017 , 143, 04017092 | 3 | 39 |
| 133 | PET FRP-concrete-high strength steel hybrid solid columns with strain-hardening and ductile performance: Cyclic axial compressive behavior. <i>Composites Part B: Engineering</i> , 2020 , 190, 107903 | 10 | 39 |
| 132 | Rational definition of the flexural deformation capacity of RC column sections. <i>Engineering Structures</i> , 2004 , 26, 641-650 | 4.7 | 39 |
| 131 | Cross-Sectional Unification on the Stress-Strain Model of Concrete Subjected to High Passive Confinement by Fiber-Reinforced Polymer. <i>Polymers</i> , 2016 , 8, | 4.5 | 39 |
| 130 | Effect of different aggregate treatment techniques on the freeze-thaw and sulfate resistance of recycled aggregate concrete. <i>Cold Regions Science and Technology</i> , 2020 , 178, 103126 | 3.8 | 38 |
| 129 | Modelling plastic hinge of FRP-confined RC columns. <i>Engineering Structures</i> , 2017 , 131, 651-668 | 4.7 | 38 |
| 128 | Interfacial stresses of FRP strengthened concrete beams: Effect of shear deformation. <i>Composite Structures</i> , 2007 , 80, 343-351 | 5.3 | 36 |
| 127 | A fracture energy based constitutive model for the analysis of reinforced concrete structures under cyclic loading. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008 , 197, 4745-4762 | 5.7 | 36 |

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| 126 | Application of improved hybrid bonded FRP technique to FRP debonding prevention. <i>Construction and Building Materials</i> , 2011 , 25, 2898-2905 | 6.7 | 35 |
| 125 | Improving the Strength and Ductility of Rectangular Reinforced Concrete Columns through Composite Partial Interaction: Tests. <i>Journal of Structural Engineering</i> , 2003 , 129, 1183-1190 | 3 | 35 |
| 124 | Plastic hinge analysis of FRP confined circular concrete columns. <i>Construction and Building Materials</i> , 2012 , 27, 223-233 | 6.7 | 34 |
| 123 | Application of waste tire rubber and recycled aggregates in concrete products: A new compression casting approach. <i>Resources, Conservation and Recycling</i> , 2021 , 167, 105353 | 11.9 | 34 |
| 122 | Stress-strain behavior of spirally confined recycled aggregate concrete: An approach towards sustainable design. <i>Resources, Conservation and Recycling</i> , 2019 , 146, 127-139 | 11.9 | 32 |
| 121 | Development and Seismic Behavior of Precast Concrete Beam-to-Column Connections. <i>Journal of Earthquake Engineering</i> , 2018 , 22, 234-256 | 1.8 | 32 |
| 120 | Characterization of Mechanically Enhanced FRP Bonding System. <i>Journal of Composites for Construction</i> , 2013 , 17, 34-49 | 3.3 | 32 |
| 119 | Numerical study on flexural behaviors of steel reinforced engineered cementitious composite (ECC) and ECC/concrete composite beams. <i>Science China Technological Sciences</i> , 2014 , 57, 637-645 | 3.5 | 31 |
| 118 | Analytic stress intensity factors for finite elastic disk using symplectic expansion. <i>Engineering Fracture Mechanics</i> , 2009 , 76, 1866-1882 | 4.2 | 31 |
| 117 | Experimental Investigation on Seismic Retrofitting of Square RC Columns by Carbon FRP Sheet Confinement Combined with Transverse Short Glass FRP Bars in Bored Holes. <i>Journal of Composites for Construction</i> , 2008 , 12, 53-60 | 3.3 | 31 |
| 116 | Stress-Strain Relation of FRP-Confined Predamaged Concrete Prisms with Square Sections of Different Corner Radii Subjected to Monotonic Axial Compression. <i>Journal of Composites for Construction</i> , 2019 , 23, 04019001 | 3.3 | 31 |
| 115 | Plastic Hinge Length in Reinforced Concrete Flexural Members. <i>Procedia Engineering</i> , 2011 , 14, 1266-1274 | | 30 |
| 114 | State space formulation for composite beam-columns with partial interaction. <i>Composites Science and Technology</i> , 2007 , 67, 2500-2512 | 8.6 | 30 |
| 113 | Dynamic analysis of partial-interaction composite beams. <i>Composites Science and Technology</i> , 2011 , 71, 1286-1294 | 8.6 | 28 |
| 112 | Mechanical behavior of steel-reinforced concrete-filled steel tubular (SRCFST) columns under uniaxial compressive loading. <i>Thin-Walled Structures</i> , 2015 , 97, 1-10 | 4.7 | 27 |
| 111 | Characterization of Yield Surfaces for FRP-Confined Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 04014096 | 2.4 | 27 |
| 110 | Free vibration and buckling of composite beams with interlayer slip by two-dimensional theory. <i>Journal of Sound and Vibration</i> , 2008 , 313, 875-890 | 3.9 | 27 |
| 109 | New Avenue of Achieving Ductility for Reinforced Concrete Members. <i>Journal of Structural Engineering</i> , 2006 , 132, 1502-1506 | 3 | 27 |

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| 108 | A 2D total strain based constitutive model for predicting the behaviors of concrete structures. <i>International Journal of Engineering Science</i> , 2006 , 44, 1280-1303 | 5.7 | 26 |
| 107 | Numerical simulation of steel plated RC columns. <i>Computers and Structures</i> , 2004 , 82, 359-371 | 4.5 | 26 |
| 106 | Reliability assessment for flexural FRP-Strengthened reinforced concrete beams based on Importance Sampling. <i>Composites Part B: Engineering</i> , 2019 , 156, 378-398 | 10 | 26 |
| 105 | Stress strain performance of steel spiral confined recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2020 , 108, 103535 | 8.6 | 25 |
| 104 | Flexural performance of FRP-plated RC beams using H-type end anchorage. <i>Composite Structures</i> , 2018 , 206, 11-21 | 5.3 | 25 |
| 103 | Triaxial test for concrete under non-uniform passive confinement. <i>Construction and Building Materials</i> , 2017 , 138, 455-468 | 6.7 | 23 |
| 102 | A thermodynamically consistent nonlocal damage model for concrete materials with unilateral effects. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015 , 297, 371-391 | 5.7 | 23 |
| 101 | The structural behavior and design methodology for a new building system consisting of glass fiber reinforced gypsum panels. <i>Construction and Building Materials</i> , 2009 , 23, 2905-2913 | 6.7 | 23 |
| 100 | Effect of load cycling on plastic hinge length in RC columns. <i>Engineering Structures</i> , 2017 , 147, 90-102 | 4.7 | 22 |
| 99 | Bond behavior of basalt textile meshes in ultra-high ductility cementitious composites. <i>Composites Part B: Engineering</i> , 2019 , 174, 107022 | 10 | 22 |
| 98 | Predicting external water pressure and cracking of a tunnel lining by measuring water inflow rate. <i>Tunnelling and Underground Space Technology</i> , 2018 , 71, 115-125 | 5.7 | 22 |
| 97 | Performance-based optimal design of compression-yielding FRP-reinforced concrete beams. <i>Composite Structures</i> , 2010 , 93, 113-123 | 5.3 | 22 |
| 96 | Plasticity-based criterion for confinement design of FRP jacketed concrete columns. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 2035-2051 | 3.4 | 21 |
| 95 | Epoxy interlocking: A novel approach to enhance FRP-to-concrete bond behavior. <i>Construction and Building Materials</i> , 2018 , 193, 643-653 | 6.7 | 21 |
| 94 | Unified model for evaluating ultimate strain of FRP confined concrete based on energy method. <i>Construction and Building Materials</i> , 2016 , 103, 23-35 | 6.7 | 20 |
| 93 | Ductility analysis of compression-yielding FRP-reinforced composite beams. <i>Cement and Concrete Composites</i> , 2009 , 31, 682-691 | 8.6 | 20 |
| 92 | Axial and Shear Behavior of Glass Fiber Reinforced Gypsum Wall Panels: Tests. <i>Journal of Composites for Construction</i> , 2004 , 8, 569-578 | 3.3 | 20 |
| 91 | Experimental study on the bond behavior between corroded rebar and concrete under dual action of FRP confinement and sustained loading. <i>Construction and Building Materials</i> , 2017 , 155, 605-616 | 6.7 | 19 |

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| 90 | Characterization of model uncertainty of adhesively bonded CFRP-to-steel joints. <i>Composite Structures</i> , 2019 , 215, 150-165 | 5.3 | 19 |
| 89 | Bond-Test Protocol for Plate-to-Concrete Interface Involving All Mechanisms. <i>Journal of Composites for Construction</i> , 2016 , 20, 04015022 | 3.3 | 18 |
| 88 | Effect of Load Path on Behavior of FRP-Confined Concrete. <i>Journal of Composites for Construction</i> , 2017 , 21, 04017014 | 3.3 | 17 |
| 87 | Width factor for externally bonded FRP-to-concrete joints. <i>Construction and Building Materials</i> , 2017 , 155, 818-829 | 6.7 | 17 |
| 86 | Development of a unified model to predict the axial stress-strain behavior of recycled aggregate concrete confined through spiral reinforcement. <i>Engineering Structures</i> , 2020 , 218, 110851 | 4.7 | 17 |
| 85 | Perforated SIFCON blocks – An extraordinarily ductile material ideal for use in compression yielding structural systems. <i>Construction and Building Materials</i> , 2010 , 24, 2454-2465 | 6.7 | 17 |
| 84 | Fatigue durability of cracked steel beams retrofitted with high-strength materials. <i>Construction and Building Materials</i> , 2017 , 155, 1188-1197 | 6.7 | 16 |
| 83 | Development of extended Drucker-Prager model for non-uniform FRP-confined concrete based on triaxial tests. <i>Construction and Building Materials</i> , 2019 , 224, 1-18 | 6.7 | 16 |
| 82 | An analytical method for determining the crack extension resistance curve of concrete. <i>Magazine of Concrete Research</i> , 2014 , 66, 719-728 | 2 | 16 |
| 81 | Application of Drucker-Prager Plasticity Model for Stress-Strain Modeling of FRP Confined Concrete Columns. <i>Procedia Engineering</i> , 2011 , 14, 687-694 | | 16 |
| 80 | Parametric space for the optimal design of compression-yielding FRP-reinforced concrete beams. <i>Materials and Structures/Materiaux Et Constructions</i> , 2010 , 43, 81-97 | 3.4 | 16 |
| 79 | Degradation of the In-plane Shear Modulus of Structural BFRP Laminates Due to High Temperature. <i>Sensors</i> , 2018 , 18, | 3.8 | 16 |
| 78 | Numerical Analysis of Interfacial Bond Behavior of Externally Bonded FRP-to-Concrete Joints. <i>Journal of Composites for Construction</i> , 2016 , 20, 04016028 | 3.3 | 15 |
| 77 | Experimental Study of Concrete Columns with Localized Failure. <i>Journal of Composites for Construction</i> , 2016 , 20, 04016032 | 3.3 | 14 |
| 76 | Shear strength of concrete filled glass fiber reinforced gypsum walls. <i>Materials and Structures/Materiaux Et Constructions</i> , 2008 , 41, 649-662 | 3.4 | 14 |
| 75 | Modified plastic-damage model for passively confined concrete based on triaxial tests. <i>Composites Part B: Engineering</i> , 2019 , 159, 211-223 | 10 | 14 |
| 74 | Flexural and Shear Strength of Composite Lintels in Glass-Fiber-Reinforced Gypsum Wall Constructions. <i>Journal of Materials in Civil Engineering</i> , 2006 , 18, 415-423 | 3 | 13 |
| 73 | Axial Strength of Eccentrically Loaded FRP-Confined Short Concrete Columns. <i>Polymers</i> , 2020 , 12, | 4.5 | 12 |

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| 72 | Stress-Strain Modeling of Concrete Columns with Localized Failure: An Analytical Study. <i>Journal of Composites for Construction</i> , 2016 , 20, 04015071 | 3.3 | 12 |
| 71 | Analytical study of beams strengthened by adhesively bonded reinforcement with variable properties using state space method. <i>Composites Science and Technology</i> , 2009 , 69, 1912-1918 | 8.6 | 12 |
| 70 | Experimental Evaluation of Precast Concrete Beam-Column Connections with High-strength Steel Rebars. <i>KSCE Journal of Civil Engineering</i> , 2019 , 23, 238-250 | 1.9 | 12 |
| 69 | Analytical Method for Failure of Anchor-Grout-Concrete Anchorage due to Concrete Cone Failure and Interfacial Debonding. <i>Journal of Structural Engineering</i> , 2009 , 135, 356-365 | 3 | 11 |
| 68 | Improved hybrid bonding technique for attaching FRP to reinforced concrete beams. <i>Magazine of Concrete Research</i> , 2011 , 63, 861-869 | 2 | 11 |
| 67 | Width effect of interfacial bond characteristics. <i>Construction and Building Materials</i> , 2019 , 220, 712-726 | 6.7 | 10 |
| 66 | Preventing debonding at the steel to concrete interface through strain localization. <i>Composites Part B: Engineering</i> , 2013 , 45, 1061-1070 | 10 | 10 |
| 65 | Reliability-based design of FRP flexural strengthened reinforced concrete beams: Guidelines assessment and calibration. <i>Engineering Structures</i> , 2020 , 209, 109953 | 4.7 | 10 |
| 64 | Reinforced Concrete Behavior, Research, Development, and Design through Partial-Interaction Mechanics. <i>Journal of Structural Engineering</i> , 2017 , 143, 02517002 | 3 | 9 |
| 63 | Effect of Interfacial Bond on Plastic Hinge Length of FRP-Confined RC Columns. <i>Journal of Composites for Construction</i> , 2019 , 23, 04019007 | 3.3 | 9 |
| 62 | Random-Walk Algorithm for Chloride Diffusivity of Concrete with Aggregate Shape Effect. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04016153 | 3 | 9 |
| 61 | Performance of normalization method for steel with different strain hardening levels and effective yield strengths. <i>Engineering Fracture Mechanics</i> , 2019 , 218, 106594 | 4.2 | 9 |
| 60 | Analytical Solution for Externally Bonded Joints Considering Snap-Back. <i>Journal of Composites for Construction</i> , 2015 , 19, 04014077 | 3.3 | 9 |
| 59 | Behaviour of Steel Plated RC Columns Subject to Lateral Loading. <i>Advances in Structural Engineering</i> , 2005 , 8, 333-347 | 1.9 | 9 |
| 58 | Energy Balance Method for Modeling Ultimate Strain of Confined Concrete. <i>ACI Structural Journal</i> , 2017 , 114, | 1.7 | 9 |
| 57 | Mechanical and Post-Cracking Performance of Recycled Aggregate Concrete Incorporating Synthetic Fibers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 829, 012003 | 0.4 | 9 |
| 56 | Investigation of thermal performance of concrete incorporating different types of recycled coarse aggregates. <i>Construction and Building Materials</i> , 2021 , 270, 121433 | 6.7 | 9 |
| 55 | Influence of Concrete Strength on the Stress-Strain Behavior of Spirally Confined Recycled Aggregate Concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 829, 012004 | 0.4 | 8 |

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| 54 | Effect of low strain rate on the axial behavior of concrete in CFRP-confined circular cylinders. <i>Construction and Building Materials</i> , 2020 , 255, 119351 | 6.7 | 8 |
| 53 | Theorems for Flexural Design of RC Members. <i>Journal of Structural Engineering</i> , 2016 , 142, 04015172 | 3 | 8 |
| 52 | Controlling the damage of concrete columns through compression yielding. <i>Structural Control and Health Monitoring</i> , 2011 , 18, 890-907 | 4.5 | 8 |
| 51 | Nonlinear Vibration and Dynamic Response of Three-Dimensional Braided Composite Plates. <i>Mechanics of Advanced Materials and Structures</i> , 2008 , 15, 53-63 | 1.8 | 8 |
| 50 | Axial stress-strain performance of steel spiral confined acetic acid immersed and mechanically rubbed recycled aggregate concrete. <i>Journal of Building Engineering</i> , 2021 , 34, 101891 | 5.2 | 8 |
| 49 | Analytical method for derivation of stress block parameters for flexural design of FRP reinforced concrete members. <i>Composite Structures</i> , 2019 , 229, 111459 | 5.3 | 7 |
| 48 | Fused structures for safer and more economical constructions. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 1-9 | 2.5 | 7 |
| 47 | Experimental study on the evolution of necking zones of metallic materials. <i>International Journal of Mechanical Sciences</i> , 2021 , 189, 106002 | 5.5 | 7 |
| 46 | Effects of predamage and load cyclic on compression behavior of fiber reinforced polymer-confined concrete. <i>Structural Concrete</i> , 2021 , 22, 1784-1799 | 2.6 | 6 |
| 45 | Energy balance method for modeling ultimate strain of fiber-reinforced polymer-repaired concrete. <i>Structural Concrete</i> , 2020 , 21, 804-820 | 2.6 | 5 |
| 44 | Aggregate size effects and general static loading response on mechanical behavior of passively confined concrete. <i>Construction and Building Materials</i> , 2019 , 205, 61-72 | 6.7 | 4 |
| 43 | Application of RC flexural theorems for member design under elevated temperature. <i>Engineering Structures</i> , 2019 , 201, 109762 | 4.7 | 4 |
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