

Jin-Guang Teng

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

9,299
citations

70961

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66788

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79
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79
times ranked

2973
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effects of mixing water salinity on the properties of concrete. <i>Advances in Structural Engineering</i> , 2021, 24, 1150-1160. | 1.2 | 19 |
| 2 | Strengths of RC beams with a fibre-reinforced polymer (FRP)-strengthened web opening. <i>Composite Structures</i> , 2021, 258, 113380. | 3.1 | 10 |
| 3 | Stress-strain behavior of FRP-confined concrete containing recycled concrete lumps. <i>Construction and Building Materials</i> , 2021, 267, 120915. | 3.2 | 21 |
| 4 | Compressive behavior of concrete-filled steel tubular columns with internal high-strength steel spiral confinement. <i>Advances in Structural Engineering</i> , 2021, 24, 1687-1708. | 1.2 | 17 |
| 5 | Full-range stress-strain model for stainless steel alloys. <i>Journal of Constructional Steel Research</i> , 2020, 173, 106266. | 1.7 | 8 |
| 6 | Advanced stress-strain model for FRP-confined concrete in square columns. <i>Composites Part B: Engineering</i> , 2020, 197, 108149. | 5.9 | 58 |
| 7 | Modelling of concrete-filled filament-wound FRP confining tubes considering nonlinear biaxial tube behavior. <i>Engineering Structures</i> , 2020, 218, 110762. | 2.6 | 23 |
| 8 | Numerical prediction of the ultimate condition of circular concrete columns confined with a fiber reinforced polymer jacket. <i>Composite Structures</i> , 2020, 241, 112103. | 3.1 | 19 |
| 9 | Shear behavior of reinforced concrete beams with GFRP needles. <i>Construction and Building Materials</i> , 2020, 257, 119430. | 3.2 | 10 |
| 10 | Behavior of large-scale FRP-confined rectangular RC columns under eccentric compression. <i>Engineering Structures</i> , 2020, 216, 110759. | 2.6 | 55 |
| 11 | Development and mechanical behaviour of ultra-high-performance seawater sea-sand concrete. <i>Advances in Structural Engineering</i> , 2019, 22, 3100-3120. | 1.2 | 144 |
| 12 | Double-tube concrete columns with a high-strength internal steel tube: Concept and behaviour under axial compression. <i>Advances in Structural Engineering</i> , 2018, 21, 1585-1594. | 1.2 | 30 |
| 13 | Theoretical model for seawater and sea sand concrete-filled circular FRP tubular stub columns under axial compression. <i>Engineering Structures</i> , 2018, 160, 71-84. | 2.6 | 119 |
| 14 | Hybrid fibre-reinforced polymer-timber thin-walled structural members. <i>Advances in Structural Engineering</i> , 2018, 21, 1409-1417. | 1.2 | 12 |
| 15 | Steel-free hybrid reinforcing bars for concrete structures. <i>Advances in Structural Engineering</i> , 2018, 21, 2617-2622. | 1.2 | 19 |
| 16 | Monotonic Stress-Strain Behavior of Steel Rebars Embedded in FRP-Confined Concrete Including Buckling. <i>Journal of Composites for Construction</i> , 2017, 21, . | 1.7 | 38 |
| 17 | Behavior and modeling of fiber-reinforced polymer-confined concrete in elliptical columns. <i>Advances in Structural Engineering</i> , 2016, 19, 1359-1378. | 1.2 | 26 |
| 18 | Bond-slip model for CFRP strips near-surface mounted to concrete. <i>Engineering Structures</i> , 2013, 56, 945-953. | 2.6 | 68 |

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|----|--|-----|-----------|
| 19 | Stress-strain model for concrete in FRP-confined steel tubular columns. <i>Engineering Structures</i> , 2013, 49, 156-167. | 2.6 | 162 |
| 20 | Three-dimensional meso-scale finite element modeling of bonded joints between a near-surface mounted FRP strip and concrete. <i>Computers and Structures</i> , 2013, 117, 105-117. | 2.4 | 39 |
| 21 | Interaction forces in RC beams strengthened with near-surface mounted rectangular bars and strips. <i>Composites Part B: Engineering</i> , 2013, 45, 697-709. | 5.9 | 17 |
| 22 | Behavior of hybrid FRP-concrete-steel double-skin tubular columns subjected to cyclic axial compression. <i>Thin-Walled Structures</i> , 2012, 61, 196-203. | 2.7 | 89 |
| 23 | Strengthening of steel structures with fiber-reinforced polymer composites. <i>Journal of Constructional Steel Research</i> , 2012, 78, 131-143. | 1.7 | 441 |
| 24 | On the finite element modelling of RC beams shear-strengthened with FRP. <i>Construction and Building Materials</i> , 2012, 32, 13-26. | 3.2 | 140 |
| 25 | Theoretical model for slender FRP-confined circular RC columns. <i>Construction and Building Materials</i> , 2012, 32, 66-76. | 3.2 | 61 |
| 26 | Behaviour of FRP-to-concrete interfaces between two adjacent cracks: A numerical investigation on the effect of bondline damage. <i>Construction and Building Materials</i> , 2012, 28, 584-591. | 3.2 | 29 |
| 27 | Process of debonding in RC beams shear-strengthened with FRP U-strips or side strips. <i>International Journal of Solids and Structures</i> , 2012, 49, 1266-1282. | 1.3 | 53 |
| 28 | Finite element prediction of interfacial stresses in structural members bonded with a thin plate. <i>Engineering Structures</i> , 2010, 32, 459-471. | 2.6 | 48 |
| 29 | Finite element modeling of confined concrete-I: Drucker-Prager type plasticity model. <i>Engineering Structures</i> , 2010, 32, 665-679. | 2.6 | 341 |
| 30 | Effect of the manufacturing process on the behaviour of press-braked thin-walled steel columns. <i>Engineering Structures</i> , 2010, 32, 3501-3515. | 2.6 | 30 |
| 31 | Behavior of Hybrid FRP-Concrete-Steel Double-Skin Tubular Columns Subjected to Eccentric Compression. <i>Advances in Structural Engineering</i> , 2010, 13, 961-974. | 1.2 | 75 |
| 32 | Finite element modeling of confined concrete-II: Plastic-damage model. <i>Engineering Structures</i> , 2010, 32, 680-691. | 2.6 | 324 |
| 33 | Stress-strain model for FRP-confined concrete under cyclic axial compression. <i>Engineering Structures</i> , 2009, 31, 308-321. | 2.6 | 210 |
| 34 | CFRP strengthening of rectangular steel tubes subjected to end bearing loads: Effect of adhesive properties and finite element modelling. <i>Thin-Walled Structures</i> , 2009, 47, 1020-1028. | 2.7 | 61 |
| 35 | Residual stresses in press-braked stainless steel sections, I: Coiling and uncoiling of sheets. <i>Journal of Constructional Steel Research</i> , 2009, 65, 1803-1815. | 1.7 | 42 |
| 36 | Residual stresses in press-braked stainless steel sections, II: Press-braking operations. <i>Journal of Constructional Steel Research</i> , 2009, 65, 1816-1826. | 1.7 | 39 |

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|----|---|-----|-----------|
| 37 | Strain monitoring of RC members strengthened with smart NSM FRP bars. <i>Construction and Building Materials</i> , 2009, 23, 1698-1711. | 3.2 | 38 |
| 38 | Behavior of FRP-confined concrete in annular section columns. <i>Composites Part B: Engineering</i> , 2008, 39, 451-466. | 5.9 | 138 |
| 39 | Imperfection sensitivity and postbuckling analysis of elastic shells of revolution. <i>Thin-Walled Structures</i> , 2008, 46, 1338-1350. | 2.7 | 27 |
| 40 | Behaviour of FRP-jacketed circular steel tubes and cylindrical shells under axial compression. <i>Construction and Building Materials</i> , 2007, 21, 827-838. | 3.2 | 172 |
| 41 | Hybrid FRP-concrete-steel tubular columns: Concept and behavior. <i>Construction and Building Materials</i> , 2007, 21, 846-854. | 3.2 | 355 |
| 42 | Debonding failure along a softening FRP-to-concrete interface between two adjacent cracks in concrete members. <i>Engineering Structures</i> , 2007, 29, 259-270. | 2.6 | 121 |
| 43 | Plate end debonding in FRP-plated RC beams: Experiments. <i>Engineering Structures</i> , 2007, 29, 2457-2471. | 2.6 | 130 |
| 44 | Analysis-oriented stress-strain models for FRP-confined concrete. <i>Engineering Structures</i> , 2007, 29, 2968-2986. | 2.6 | 503 |
| 45 | Optimal performance-based design of FRP jackets for seismic retrofit of reinforced concrete frames. <i>Composites Part B: Engineering</i> , 2007, 38, 584-597. | 5.9 | 70 |
| 46 | Postbuckling analysis of elastic shells of revolution considering mode switching and interaction. <i>International Journal of Solids and Structures</i> , 2006, 43, 551-568. | 1.3 | 27 |
| 47 | FRP-to-concrete interfaces between two adjacent cracks: Theoretical model for debonding failure. <i>International Journal of Solids and Structures</i> , 2006, 43, 5750-5778. | 1.3 | 192 |
| 48 | Finite element simulation of debonding in FRP-to-concrete bonded joints. <i>Construction and Building Materials</i> , 2006, 20, 412-424. | 3.2 | 78 |
| 49 | FRP-confined concrete under axial cyclic compression. <i>Cement and Concrete Composites</i> , 2006, 28, 949-958. | 4.6 | 276 |
| 50 | Finite element predictions of residual stresses in press-braked thin-walled steel sections. <i>Engineering Structures</i> , 2006, 28, 1609-1619. | 2.6 | 59 |
| 51 | Buckling behaviour of model steel base shells of the Comshell roof system. <i>Journal of Constructional Steel Research</i> , 2006, 62, 4-19. | 1.7 | 5 |
| 52 | Buckling behaviour of large steel cylinders with patterned welds. <i>International Journal of Pressure Vessels and Piping</i> , 2006, 83, 13-26. | 1.2 | 42 |
| 53 | Bond-slip models for FRP sheets/plates bonded to concrete. <i>Engineering Structures</i> , 2005, 27, 920-937. | 2.6 | 878 |
| 54 | Fabrication of small models of large cylinders with extensive welding for buckling experiments. <i>Thin-Walled Structures</i> , 2005, 43, 1091-1114. | 2.7 | 21 |

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|----|--|-----|-----------|
| 55 | Meso-scale finite element model for FRP sheets/plates bonded to concrete. <i>Engineering Structures</i> , 2005, 27, 564-575. | 2.6 | 189 |
| 56 | Analysis of geometric imperfections in full-scale welded steel silos. <i>Engineering Structures</i> , 2005, 27, 938-950. | 2.6 | 68 |
| 57 | Buckling experiments on steel silo transition junctions. <i>Journal of Constructional Steel Research</i> , 2004, 60, 1803-1823. | 1.7 | 12 |
| 58 | Buckling experiments on steel silo transition junctions. <i>Journal of Constructional Steel Research</i> , 2004, 60, 1783-1801. | 1.7 | 12 |
| 59 | Residual stresses in steel sheets due to coiling and uncoiling: a closed-form analytical solution. <i>Engineering Structures</i> , 2004, 26, 1249-1259. | 2.6 | 65 |
| 60 | Imperfection sensitivity of thin elastic cylindrical shells subject to partial axial compression. <i>International Journal of Solids and Structures</i> , 2004, 41, 7155-7180. | 1.3 | 92 |
| 61 | Buckling of circular steel silos subject to code-specified eccentric discharge pressures. <i>Engineering Structures</i> , 2003, 25, 1397-1417. | 2.6 | 34 |
| 62 | Distortional buckling of channel beam-columns. <i>Thin-Walled Structures</i> , 2003, 41, 595-617. | 2.7 | 37 |
| 63 | Iterative Fourier decomposition of imperfection measurements at non-uniformly distributed sampling points. <i>Thin-Walled Structures</i> , 2003, 41, 901-924. | 2.7 | 10 |
| 64 | A stability design proposal for cone-cylinder intersections under internal pressure. <i>International Journal of Pressure Vessels and Piping</i> , 2003, 80, 297-309. | 1.2 | 19 |
| 65 | Intermediate crack-induced debonding in RC beams and slabs. <i>Construction and Building Materials</i> , 2003, 17, 447-462. | 3.2 | 494 |
| 66 | Design-oriented stress-strain model for FRP-confined concrete. <i>Construction and Building Materials</i> , 2003, 17, 471-489. | 3.2 | 1,190 |
| 67 | Interfacial stresses in reinforced concrete beams bonded with a soffit plate: a finite element study. <i>Construction and Building Materials</i> , 2002, 16, 1-14. | 3.2 | 147 |
| 68 | FRP-strengthened RC beams. II: assessment of debonding strength models. <i>Engineering Structures</i> , 2002, 24, 397-417. | 2.6 | 247 |
| 69 | A finite-volume method for contact drape simulation of woven fabrics and garments. <i>Finite Elements in Analysis and Design</i> , 2001, 37, 513-531. | 1.7 | 25 |
| 70 | Techniques for buckling experiments on steel silo transition junctions. <i>Thin-Walled Structures</i> , 2001, 39, 685-707. | 2.7 | 37 |
| 71 | Plastic buckling strength of T-section transition ringbeams in steel silos and tanks. <i>Engineering Structures</i> , 2001, 23, 280-297. | 2.6 | 11 |
| 72 | Interfacial stresses in plated beams. <i>Engineering Structures</i> , 2001, 23, 857-871. | 2.6 | 410 |

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|----|---|-----|-----------|
| 73 | Behaviour of GFRP-strengthened RC cantilever slabs. <i>Construction and Building Materials</i> , 2001, 15, 339-349. | 3.2 | 50 |
| 74 | Numerical models for nonlinear analysis of elastic shells with eigenmode-affine imperfections. <i>International Journal of Solids and Structures</i> , 2001, 38, 3263-3280. | 1.3 | 68 |
| 75 | Elastic buckling strength of T-section transition ringbeams in steel silos and tanks. <i>Journal of Constructional Steel Research</i> , 2000, 56, 69-99. | 1.7 | 8 |
| 76 | On the buckling failure of a pressure vessel with a conical end. <i>Engineering Failure Analysis</i> , 2000, 7, 261-280. | 1.8 | 17 |
| 77 | Self-weight buckling of FRP tubes filled with wet concrete. <i>Thin-Walled Structures</i> , 2000, 38, 337-353. | 2.7 | 15 |
| 78 | Compressive Behavior of Large-Scale Hybrid FRP-Concrete-Steel Double-Skin Tubular Columns. <i>Advanced Materials Research</i> , 0, 243-249, 1138-1144. | 0.3 | 12 |