

Jin-Guang Teng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/77261/publications.pdf>

Version: 2024-02-01

78
papers

9,299
citations

70961

41
h-index

66788

78
g-index

79
all docs

79
docs citations

79
times ranked

2973
citing authors

#	ARTICLE	IF	CITATIONS
1	Design-oriented stress-strain model for FRP-confined concrete. <i>Construction and Building Materials</i> , 2003, 17, 471-489.	3.2	1,190
2	Bond-slip models for FRP sheets/plates bonded to concrete. <i>Engineering Structures</i> , 2005, 27, 920-937.	2.6	878
3	Analysis-oriented stress-strain models for FRP-confined concrete. <i>Engineering Structures</i> , 2007, 29, 2968-2986.	2.6	503
4	Intermediate crack-induced debonding in RC beams and slabs. <i>Construction and Building Materials</i> , 2003, 17, 447-462.	3.2	494
5	Strengthening of steel structures with fiber-reinforced polymer composites. <i>Journal of Constructional Steel Research</i> , 2012, 78, 131-143.	1.7	441
6	Interfacial stresses in plated beams. <i>Engineering Structures</i> , 2001, 23, 857-871.	2.6	410
7	Hybrid FRP-concrete-steel tubular columns: Concept and behavior. <i>Construction and Building Materials</i> , 2007, 21, 846-854.	3.2	355
8	Finite element modeling of confined concrete-I: Drucker-Prager type plasticity model. <i>Engineering Structures</i> , 2010, 32, 665-679.	2.6	341
9	Finite element modeling of confined concrete-II: Plastic-damage model. <i>Engineering Structures</i> , 2010, 32, 680-691.	2.6	324
10	FRP-confined concrete under axial cyclic compression. <i>Cement and Concrete Composites</i> , 2006, 28, 949-958.	4.6	276
11	FRP-strengthened RC beams. II: assessment of debonding strength models. <i>Engineering Structures</i> , 2002, 24, 397-417.	2.6	247
12	Stress-strain model for FRP-confined concrete under cyclic axial compression. <i>Engineering Structures</i> , 2009, 31, 308-321.	2.6	210
13	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
14	Meso-scale finite element model for FRP sheets/plates bonded to concrete. <i>Engineering Structures</i> , 2005, 27, 564-575.	2.6	189
15	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
16	Stress-strain model for concrete in FRP-confined steel tubular columns. <i>Engineering Structures</i> , 2013, 49, 156-167.	2.6	162
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Behavior of FRP-confined concrete in annular section columns. <i>Composites Part B: Engineering</i> , 2008, 39, 451-466.	5.9	138
21	Plate end debonding in FRP-plated RC beams: Experiments. <i>Engineering Structures</i> , 2007, 29, 2457-2471.	2.6	130
22	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
23	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
24	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
25	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
26	Finite element simulation of debonding in FRP-to-concrete bonded joints. <i>Construction and Building Materials</i> , 2006, 20, 412-424.	3.2	78
27	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
28	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
29	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
30	Analysis of geometric imperfections in full-scale welded steel silos. <i>Engineering Structures</i> , 2005, 27, 938-950.	2.6	68
31	Bond-slip model for CFRP strips near-surface mounted to concrete. <i>Engineering Structures</i> , 2013, 56, 945-953.	2.6	68
32	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
33	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
34	Theoretical model for slender FRP-confined circular RC columns. <i>Construction and Building Materials</i> , 2012, 32, 66-76.	3.2	61
35	Finite element predictions of residual stresses in press-braked thin-walled steel sections. <i>Engineering Structures</i> , 2006, 28, 1609-1619.	2.6	59
36	Advanced stress-strain model for FRP-confined concrete in square columns. <i>Composites Part B: Engineering</i> , 2020, 197, 108149.	5.9	58

#	ARTICLE	IF	CITATIONS
37	Behavior of large-scale FRP-confined rectangular RC columns under eccentric compression. <i>Engineering Structures</i> , 2020, 216, 110759.	2.6	55
38	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
39	Behaviour of GFRP-strengthened RC cantilever slabs. <i>Construction and Building Materials</i> , 2001, 15, 339-349.	3.2	50
40	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
41	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
42	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
43	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
44	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
45	Strain monitoring of RC members strengthened with smart NSM FRP bars. <i>Construction and Building Materials</i> , 2009, 23, 1698-1711.	3.2	38
46	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
47	Techniques for buckling experiments on steel silo transition junctions. <i>Thin-Walled Structures</i> , 2001, 39, 685-707.	2.7	37
48	Distortional buckling of channel beam-columns. <i>Thin-Walled Structures</i> , 2003, 41, 595-617.	2.7	37
49	Buckling of circular steel silos subject to code-specified eccentric discharge pressures. <i>Engineering Structures</i> , 2003, 25, 1397-1417.	2.6	34
50	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
51	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
52	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
53	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
54	Imperfection sensitivity and postbuckling analysis of elastic shells of revolution. <i>Thin-Walled Structures</i> , 2008, 46, 1338-1350.	2.7	27

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Modelling of concrete-filled filament-wound FRP confining tubes considering nonlinear biaxial tube behavior. <i>Engineering Structures</i> , 2020, 218, 110762.	2.6	23
58	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
59	Stress-strain behavior of FRP-confined concrete containing recycled concrete lumps. <i>Construction and Building Materials</i> , 2021, 267, 120915.	3.2	21
60	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
61	Steel-free hybrid reinforcing bars for concrete structures. <i>Advances in Structural Engineering</i> , 2018, 21, 2617-2622.	1.2	19
62	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
63	Effects of mixing water salinity on the properties of concrete. <i>Advances in Structural Engineering</i> , 2021, 24, 1150-1160.	1.2	19
64	On the buckling failure of a pressure vessel with a conical end. <i>Engineering Failure Analysis</i> , 2000, 7, 261-280.	1.8	17
65	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
66	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
67	Self-weight buckling of FRP tubes filled with wet concrete. <i>Thin-Walled Structures</i> , 2000, 38, 337-353.	2.7	15
68	Buckling experiments on steel silo transition junctions. <i>Journal of Constructional Steel Research</i> , 2004, 60, 1803-1823.	1.7	12
69	Buckling experiments on steel silo transition junctions. <i>Journal of Constructional Steel Research</i> , 2004, 60, 1783-1801.	1.7	12
70	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
71	Hybrid fibre-reinforced polymer-timber thin-walled structural members. <i>Advances in Structural Engineering</i> , 2018, 21, 1409-1417.	1.2	12
72	Plastic buckling strength of T-section transition ringbeams in steel silos and tanks. <i>Engineering Structures</i> , 2001, 23, 280-297.	2.6	11

#	ARTICLE	IF	CITATIONS
73	Iterative Fourier decomposition of imperfection measurements at non-uniformly distributed sampling points. <i>Thin-Walled Structures</i> , 2003, 41, 901-924.	2.7	10
74	Strengths of RC beams with a fibre-reinforced polymer (FRP)-strengthened web opening. <i>Composite Structures</i> , 2021, 258, 113380.	3.1	10
75	Shear behavior of reinforced concrete beams with GFRP needles. <i>Construction and Building Materials</i> , 2020, 257, 119430.	3.2	10
76	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
77	Full-range stress-strain model for stainless steel alloys. <i>Journal of Constructional Steel Research</i> , 2020, 173, 106266.	1.7	8
78	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