Hong Guan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/25582/publications.pdf

Version: 2024-02-01

197	4,439	117453	143772
papers	citations	34 h-index	57 g-index

207	207	207	2531
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progressive Collapse of Flat Plate Substructures Initiated by Upward and Downward Punching Shear Failures of Interior Slabâ€“Column Joints. Journal of Structural Engineering, 2022, 148, .	1.7	7
2	Experimental investigation of roll-formed aluminium lipped channel beams subjected to combined bending and web crippling. Thin-Walled Structures, 2022, 171, 108804.	2.7	3
3	A Comprehensive Review of Deep Learning-Based Crack Detection Approaches. Applied Sciences (Switzerland), 2022, 12, 1374.	1.3	45
4	Latest Advances in Finite Element Modelling and Model Updating of Cable-Stayed Bridges. Infrastructures, 2022, 7, 8.	1.4	13
5	Experimental and numerical investigation of dynamic progressive collapse of reinforced concrete beam-column assemblies under a middle-column removal scenario. Structures, 2022, 38, 979-992.	1.7	14
6	Drivers towards Adopting Modular Integrated Construction for Affordable Sustainable Housing: A Total Interpretive Structural Modelling (TISM) Method. Buildings, 2022, 12, 637.	1.4	20
7	Post-punching failure mechanism and resistance of flat plate-column joints with in-plane constraints. Engineering Failure Analysis, 2022, 138, 106360.	1.8	7
8	Dynamic response and collapse resistance of RC flat plate structures subjected to instantaneous removal of an interior column. Engineering Structures, 2022, 264, 114469.	2.6	10
9	Pre- and post-punching failure performances of flat slab-column joints with drop panels and shear studs. Engineering Failure Analysis, 2022, 140, 106604.	1.8	2
10	Influence of the earthquake and progressive collapse strain rate on the structural response of timber dowel type connections through finite element modelling. Journal of Building Engineering, 2022, 57, 104953.	1.6	3
11	Simulation of punching and post-punching shear behaviours of RC slabâ€“column connections. Magazine of Concrete Research, 2021, 73, 1135-1150.	0.9	8
12	Post-punching mechanisms of slabâ€“column joints under upward and downward punching actions. Magazine of Concrete Research, 2021, 73, 302-314.	0.9	15
13	Experimental study on the quasi-static progressive collapse response of post-and-beam mass timber buildings under an edge column removal scenario. Engineering Structures, 2021, 228, 111425.	2.6	19
14	Comparison of Seismic Design and Resilience of Tall Buildings Based on Chinese and US Design Codes. , 2021, , 171-222.		0
15	Building Models for City-Scale Nonlinear Time-History Analyses. , 2021, , 451-548.		0
16	Post-earthquake Emergency Response and Recovery Through City-Scale Nonlinear Time-History Analysis. , 2021, , 797-876.		0
17	Earthquake Disaster Simulation of Typical Urban Areas. , 2021, , 877-932.		1
18	Earthquake Disaster Simulation of Typical Supertall Buildings. , 2021, , 99-170.		0

#	Article	IF	Citations
19	Fire Following Earthquake and Falling Debris Hazards. , 2021, , 713-795.		0
20	Regional Seismic Loss Estimation of Buildings. , 2021, , 549-639.		0
21	Experimental dynamic collapse response of post-and-beam mass timber frames under a sudden column removal scenario. Engineering Structures, 2021, 233, 111918.	2.6	17
22	Bearing behaviour of aluminium sub-heads with removable beads in faÃ§ade systems. Structures, 2021, 32, 1934-1954.	1.7	2
23	Web crippling investigations of aluminium lipped channel sections under one-flange loading conditions. Thin-Walled Structures, 2021, 166, 108025.	2.7	15
24	Experimental study on the quasi-static progressive collapse response of post-and-beam mass timber buildings under corner column removal scenarios. Engineering Structures, 2021, 242, 112497.	2.6	12
25	A preliminary analysis and discussion of the condominium building collapse in surfside, Florida, US, June 24, 2021. Frontiers of Structural and Civil Engineering, 2021, 15, 1097-1110.	1.2	54
26	Web crippling capacities of fastened aluminium lipped channel sections subjected to one-flange loading conditions. Structures, 2021, 33, 1754-1763.	1.7	13
27	Enhancing post-punching performance of flat plate-column joints by different reinforcement configurations. Journal of Building Engineering, 2021, 43, 102855.	1.6	7
28	Numerical study on the bearing behaviour and design of aluminium sub-heads with removable beads in faÃ§ade systems. Journal of Building Engineering, 2021, 43, 103149.	1.6	0
29	Numerical study on bearing behaviour and design of aluminium sub-heads in faÃ§ade systems. Thin-Walled Structures, 2021, 168, 108140.	2.7	2
30	Pre- and post-punching performances of eccentrically loaded slab-column joints with in-plane restraints. Engineering Structures, 2021, 248, 113249.	2.6	8
31	Seismic Resilient Outriggers and Multi-hazard Resilient Frames. , 2021, , 309-449.		0
32	High-Fidelity Computational Models for Earthquake Disaster Simulation of Tall Buildings. , 2021, , 9-97.		0
33	Experimental Study of a Prefabricated Steel Frame System with Buckling-Restrained Braces. Lecture Notes in Civil Engineering, 2021, , 1479-1489.	0.3	0
34	Application of Machine Learning Algorithms in Structural Health Monitoring Research. Lecture Notes in Civil Engineering, 2021, , 219-228.	0.3	1
35	Experimental study on earthquake-induced falling debris of exterior infill walls and its impact to pedestrian evacuation. International Journal of Disaster Risk Reduction, 2020, 43, 101372.	1.8	15
36	Numerical investigation of web crippling in fastened aluminium lipped channel sections under two-flange loading conditions. Structures, 2020, 23, 351-365.	1.7	21

#	Article	IF	Citations
37	Influence of horizontal restraints on the behaviour of vertical disproportionate collapse of RC moment frames. Engineering Failure Analysis, 2020, 109, 104324.	1.8	22
38	Compressive behaviour of novel timber-filled steel tubular (TFST) columns. Construction and Building Materials, 2020, 238, 117734.	3.2	24
39	Experimental and theoretical study of seismic and progressive collapse resilient composite frames. Soil Dynamics and Earthquake Engineering, 2020, 139, 106370.	1.9	19
40	A Framework of Linear Sensor Networks with Unmanned Aerial Vehicle for Rainfall-Induced Landslides Detection. International Journal of Structural Stability and Dynamics, 2020, 20, 2042017.	1.5	1
41	Experimental investigation on the bearing behaviour of aluminium sub-heads in faÃ§ade systems. Thin-Walled Structures, 2020, 156, 106867.	2.7	1
42	Experimental and Computational Assessments of Progressive Collapse Resistance of Reinforced Concrete Planar Frames Subjected to Penultimate Column Removal Scenario. Journal of Performance of Constructed Facilities, 2020, 34, .	1.0	16
43	Experimental study on the progressive collapse behaviour of RC flat plate substructures subjected to edge-column and edge-interior-column removal scenarios. Engineering Structures, 2020, 209, 110299.	2.6	34
44	Comparative and Parametric Studies on Behavior of RC-Flat Plates Subjected to Interior-Column Loss. Journal of Structural Engineering, 2020, 146, .	1.7	13
45	Fastened Aluminum-Lipped Channel Sections Subjected to Web Crippling under Two-Flange Loading Conditions: Experimental Study. Journal of Structural Engineering, 2020, 146, .	1.7	19
46	Experimental collapse response of post-and-beam mass timber frames under a quasi-static column removal scenario. Engineering Structures, 2020, 213, 110562.	2.6	20
47	Numerical Modelling of the Progressive Collapse of Reinforced Concrete Frames with Different Lateral Restraints. Lecture Notes in Civil Engineering, 2020, , 755-763.	0.3	0
48	Bending Capacity of Pipe-in-Pipe Systems Subjected to External Pressure. Lecture Notes in Civil Engineering, 2020, , 657-666.	0.3	0
49	A novel structural detailing for the improvement of seismic and progressive collapse performances of RC frames. Earthquake Engineering and Structural Dynamics, 2019, 48, 1451-1470.	2.5	20
50	Web crippling behaviour and design of aluminium lipped channel sections under two flange loading conditions. Thin-Walled Structures, 2019, 144, 106265.	2.7	24
51	Experimental study of aluminium lipped channel sections subjected to web crippling under two flange load cases. Thin-Walled Structures, 2019, 141, 460-476.	2.7	40
52	Foregroundâ€“background separation technique for crack detection. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 457-470.	6.3	35
53	Multi-LOD seismic-damage simulation of urban buildings and case study in Beijing CBD. Bulletin of Earthquake Engineering, 2019, 17, 2037-2057.	2.3	43
54	Experimental study on the progressive collapse behaviour of RC flat plate substructures subjected to corner column removal scenarios. Engineering Structures, 2019, 180, 728-741.	2.6	47

#	Article	IF	Citations
55	Physics-based Simulation and High-fidelity Visualization of Fire Following Earthquake Considering Building Seismic Damage. Journal of Earthquake Engineering, 2019, 23, 1173-1193.	1.4	10
56	Experimental study of a novel multi-hazard resistant prefabricated concrete frame structure. Soil Dynamics and Earthquake Engineering, 2019, 119, 390-407.	1.9	48
57	Post-Punching Mechanism of Slab-Column Joints Subjected Upward and Downward Punching Shear Actions. , 2018, , .		3
58	Experimental Study of the Horizontal Progressive Collapse of RC Frames. , 2018, , .		1
59	Post-earthquake fire simulation considering overall seismic damage of sprinkler systems based on BIM and FEMA P-58. Automation in Construction, 2018, 90, 9-22.	4.8	34
60	A High-Performance Quadrilateral Flat Shell Element for Seismic Collapse Simulation of Tall Buildings and Its Implementation in OpenSees. Journal of Earthquake Engineering, 2018, 22, 1662-1682.	1.4	33
61	A smart phone-based system for post-earthquake investigations of building damage. International Journal of Disaster Risk Reduction, 2018, 27, 214-222.	1.8	15
62	Seismic performance and prediction equations of sandwich beam-column joints subjected to skew cyclic loads. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	1
63	Improving the Accuracy of near Real-Time Seismic Loss Estimation using Post-Earthquake Remote Sensing Images. Earthquake Spectra, 2018, 34, 1219-1245.	1.6	14
64	Load Transfer and Collapse Resistance of RC Flat Plates under Interior Column Removal Scenario. Journal of Structural Engineering, 2018, 144, .	1.7	36
65	Progressive Collapse Analysis of a Typical Super-Tall Reinforced Concrete Frame-Core Tube Building Exposed to Extreme Fires. Fire Technology, 2017, 53, 107-133.	1.5	26
66	Earthquake Disaster Simulation of Civil Infrastructures. , 2017, , .		33
67	Performance Evaluation of Boneâ€“Implant System During Implantation Process: Dynamic Modelling and Analysis. Springer Series in Biomaterials Science and Engineering, 2017, , 45-69.	0.7	1
68	Parametric sensitivity study on regional seismic damage prediction of reinforced masonry buildings based on time-history analysis. Bulletin of Earthquake Engineering, 2017, 15, 4791-4820.	2.3	22
69	Propagation Buckling in Subsea Pipe-in-Pipe Systems. Journal of Engineering Mechanics - ASCE, 2017, 143, .	1.6	26
70	Floor acceleration control of superâ€tall buildings with vibration reduction substructures. Structural Design of Tall and Special Buildings, 2017, 26, e1343.	0.9	5
71	Experimental investigation of RC beam-slab substructures against progressive collapse subject to an edge-column-removal scenario. Engineering Structures, 2017, 149, 91-103.	2.6	161
72	Effects of Seismic and Progressive Collapse Designs on the Vulnerability of RC Frame Structures. Journal of Performance of Constructed Facilities, 2017, 31, .	1.0	41

#	Article	IF	Citations
73	Simplified Models for Earthquake Disaster Simulation of Supertall Buildings. , 2017, , 137-179.		0
74	Comparison of Seismic Design and Performance of Tall Buildings Based on Chinese and US Design Codes. , 2017, , 225-256.		0
75	Application of earthquake-induced collapse analysis in design optimization of a supertall building. Structural Design of Tall and Special Buildings, 2016, 25, 926-946.	0.9	13
76	Simulating Post Punching Behaviour of RC Slab-Column Connections Using a Micro Model. Applied Mechanics and Materials, 2016, 846, 231-236.	0.2	0
77	Experimental investigation of progressive collapse resistance of one-way reinforced concrete beamâ€“slab substructures under a middle-column-removal scenario. Engineering Structures, 2016, 118, 28-40.	2.6	167
78	Transient dynamic analysis of pile foundation responses due to ocean waves using the scaled boundary finite element method. Journal of Ocean Engineering and Marine Energy, 2016, 2, 177-193.	0.9	1
79	Probability-based progressive collapse-resistant assessment for reinforced concrete frame structures. Advances in Structural Engineering, 2016, 19, 1723-1735.	1.2	31
80	Defining a conceptual framework for the integration of modelling and advanced imaging for improving the reliability and efficiency of bridge assessments. Journal of Civil Structural Health Monitoring, 2016, 6, 703-714.	2.0	39
81	Evaluation of Roundabout Capacity Models: An Empirical Case Study. Journal of Transportation Engineering, 2016, 142, 04016066.	0.9	15
82	Shape optimisation of manufacturable and usable cold-formed steel singly-symmetric and open columns. Thin-Walled Structures, 2016, 109, 271-284.	2.7	12
83	Shape optimisation of cold-formed steel columns with manufacturing constraints using the Hough transform. Thin-Walled Structures, 2016, 106, 75-92.	2.7	16
84	A Case Study on a Fire-Induced Collapse Accident of a Reinforced Concrete Frame-Supported Masonry Structure. Fire Technology, 2016, 52, 707-729.	1.5	29
85	A nonlinear computational model for regional seismic simulation of tall buildings. Bulletin of Earthquake Engineering, 2016, 14, 1047-1069.	2.3	85
86	Numerical investigation of progressive collapse resistance of reinforced concrete frames subject to column removals from different stories. Advances in Structural Engineering, 2016, 19, 314-326.	1.2	37
87	Unconstrained shape optimisation of singly-symmetric and open cold-formed steel beams and beam-columns. Thin-Walled Structures, 2016, 104, 54-61.	2.7	29
88	Simulation of earthquake-induced hazards of falling exterior non-structural components and its application to emergency shelter design. Natural Hazards, 2016, 80, 935-950.	1.6	16
89	Quantifying the seismic resilience of two tall buildings designed using Chinese and US Codes. Earthquake and Structures, 2016, 11, 925-942.	1.0	27
90	NUMERICAL STABILITY AND ACCURACY OF THE SCALED BOUNDARY FINITE ELEMENT METHOD IN ENGINEERING APPLICATIONS. ANZIAM Journal, 2015, 57, 114-137.	0.3	5

#	Article	IF	Citations
91	Seismic Reliability and Risk Assessment of Structures Based on Fragility Analysis â€“ A Review. Advances in Structural Engineering, 2015, 18, 1653-1669.	1.2	21
92	A shear wall element for nonlinear seismic analysis of super-tall buildings using OpenSees. Finite Elements in Analysis and Design, 2015, 98, 14-25.	1.7	221
93	A comparative case study on seismic design of tall RC frame-core-tube structures in China and USA. Structural Design of Tall and Special Buildings, 2015, 24, 687-702.	0.9	45
94	Prediction of Long-Term Bridge Performance: Integrated Deterioration Approach with Case Studies. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	26
95	Building seismic response and visualization using 3D urban polygonal modeling. Automation in Construction, 2015, 55, 25-34.	4.8	31
96	Experimental Study and Numerical Model Calibration for Earthquake-Induced Collapse of RC Frames with Emphasis on Key Columns, Joints, and the Overall Structure. Journal of Earthquake Engineering, 2015, 19, 1320-1344.	1.4	58
97	Progressive Collapse Resistance of Two Typical High-Rise RC Frame Shear Wall Structures. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	30
98	Towards UAV-based bridge inspection systems: a review and an application perspective. Structural Monitoring and Maintenance, 2015, 2, 283-300.	1.7	79
99	Preliminary seismic analysis of fabricated steel frame systems with pin beam-column connections and buckling restrained braces. , 2015, , .		3
100	Current trends and developments in progressive collapse research on reinforced concrete flat plate structures. , 2015, , .		0
101	Investigation on Entry Capacities of Single-Lane Roundabouts. Applied Mechanics and Materials, 2014, 505-506, 497-500.	0.2	3
102	Experimental Study on the Progressive Collapse Resistance of RC Slabs. , 2014, , .		8
103	Development of Seismic Collapse Capacity Spectra and Parametric Study. Advances in Structural Engineering, 2014, 17, 1241-1255.	1.2	21
104	Evaluation of Doweled Joints in Concrete Pavements Using Three-Dimensional Finite Element Analysis. , 2014, , .		1
105	Development of a Long-Term Bridge Element Performance Model Using Elman Neural Networks. Journal of Infrastructure Systems, 2014, 20, 04014013.	1.0	10
106	Development of an Integrated Method for Probabilistic Bridge-Deterioration Modeling. Journal of Performance of Constructed Facilities, 2014, 28, 330-340.	1.0	29
107	Implementation of Elman neural networks for enhancing reliability of integrated bridge deterioration model. Australian Journal of Structural Engineering, 2014, 15, .	0.4	3
108	High-speed visualization of time-varying data in large-scale structural dynamic analyses with a GPU. Automation in Construction, 2014, 42, 90-99.	4.8	5

#	Article	IF	Citations
109	Seismic damage simulation in urban areas based on a high-fidelity structural model and a physics engine. Natural Hazards, 2014, 71, 1679-1693.	1.6	45
110	Shaking table model test and FE analysis of a reinforced concrete megaâ€frame structure with tuned mass dampers. Structural Design of Tall and Special Buildings, 2014, 23, 1426-1442.	0.9	23
111	A virtual reality based fire training simulator with smoke hazard assessment capacity. Advances in Engineering Software, 2014, 68, 1-8.	1.8	96
112	A Finite Element Study of Short Dental Implants in the Posterior Maxilla. International Journal of Oral and Maxillofacial Implants, 2014, 29, e147-e154.	0.6	15
113	An Energy-Based Assessment on Dynamic Amplification Factor for Linear Static Analysis in Progressive Collapse Design of Ductile RC Frame Structures. Advances in Structural Engineering, 2014, 17, 1217-1225.	1.2	24
114	Automatic Bridge Crack Detection â€“ A Texture Analysis-Based Approach. Lecture Notes in Computer Science, 2014, , 193-203.	1.0	24
115	Progressive Collapse Resistance Demand of RC Frames under Catenary Mechanism. ACI Structural Journal, 2014, 111, .	0.3	12
116	Progressive Collapse Resistance Demand of RC Frames under Catenary Mechanism. ACI Structural Journal, 2014, 111, .	0.3	38
117	Numerical and comparative study of earthquake intensity indices in seismic analysis. Structural Design of Tall and Special Buildings, 2013, 22, 362-381.	0.9	53
118	Experimental behaviour of highâ€strength concrete deep beams with web openings. Structural Design of Tall and Special Buildings, 2013, 22, 655-676.	0.9	15
119	Typical deterministic and stochastic bridge deterioration modelling incorporating backward prediction model. Journal of Civil Structural Health Monitoring, 2013, 3, 141-152.	2.0	6
120	Development of hybrid optimisation method for Artificial Intelligence based bridge deterioration model â€" Feasibility study. Automation in Construction, 2013, 31, 83-91.	4.8	18
121	Progressive-Collapse Simulation and Critical Region Identification of a Stone Arch Bridge. Journal of Performance of Constructed Facilities, 2013, 27, 43-52.	1.0	29
122	Physics engine-driven visualization of deactivated elements and its application in bridge collapse simulation. Automation in Construction, 2013, 35, 471-481.	4.8	23
123	Three-dimensional investigation of waveâ€"pile group interaction using the scaled boundary finite element method. Part I: Theoretical developments. Ocean Engineering, 2013, 64, 174-184.	1.9	16
124	Three-dimensional investigation of waveâ€"pile group interaction using the scaled boundary finite element methodâ€"Part II: Application results. Ocean Engineering, 2013, 64, 185-195.	1.9	6
125	Earthquake-induced collapse simulation of a super-tall mega-braced frame-core tube building. Journal of Constructional Steel Research, 2013, 82, 59-71.	1.7	75
126	Collapse simulation of reinforced concrete highâ€rise building induced by extreme earthquakes. Earthquake Engineering and Structural Dynamics, 2013, 42, 705-723.	2.5	203

#	Article	IF	Citations
127	Finite-Element and Simplified Models for Collision Simulation between Overheight Trucks and Bridge Superstructures. Journal of Bridge Engineering, 2013, 18, 1140-1151.	1.4	31
128	Comparison and Selection of Ground Motion Intensity Measures for Seismic Design of Super High-Rise Buildings. Advances in Structural Engineering, 2013, 16, 1249-1262.	1.2	27
129	Minimising uncertainty in longâ€term prediction of bridge element. Engineering, Construction and Architectural Management, 2013, 20, 127-142.	1.8	1
130	Enhancing Visual-based Bridge Condition Assessment for Concrete Crack Evaluation Using Image Processing Techniques. , 2013, , .		1
131	Long-Term Performance of Bridge Elements Using Integrated Deterioration Method Incorporating Elman Neural Network. Applied Mechanics and Materials, 2012, 204-208, 1980-1987.	0.2	4
132	Refinement of Backward Prediction Method for Reliable Artificial Intelligence-Based Bridge Deterioration Modelling. Advances in Structural Engineering, 2012, 15, 825-836.	1.2	3
133	Performance Prediction of Concrete Elements in Bridge Substructures using Integrated Deterioration Method. , 2012, , .		1
134	Self-shape optimisation principles: Optimisation of section capacity for thin-walled profiles. Thin-Walled Structures, 2012, 60, 194-204.	2.7	38
135	Stiffness and strength parameters for hardening soil model of soft and stiff Bangkok clays. Soils and Foundations, 2012, 52, 682-697.	1.3	164
136	Parametric and comparative study of spandrel beam effect on the punching shear strength of reinforced concrete flat plates. Structural Design of Tall and Special Buildings, 2012, 21, 605-620.	0.9	1
137	Environmental impact assessment of post tensioned and reinforced concrete slab construction. , 2012, , 1009-1014.		2
138	Investigation into the behaviour of deep beam with web openings by finite element. Computers and Concrete, 2012, 10, 609-630.	0.7	4
139	Integrated bridge deterioration modeling for concrete elements incorporating Elman Neural Network. , 2012, , 885-889.		0
140	Optimum Degree of Bone-Implant Contact in Bone Remodelling Induced by Dental Implant. Procedia Engineering, 2011, 14, 2972-2979.	1.2	12
141	Evaluation of Modal and Traditional Pushover Analyses in Frame-Shear-Wall Structures. Advances in Structural Engineering, 2011, 14, 815-836.	1.2	40
142	Study of offshore monopile behaviour due to ocean waves. Ocean Engineering, 2011, 38, 1946-1956.	1.9	37
143	Finite element simulation of bone remodelling in the human mandible surrounding dental implant. Acta Mechanica, 2011, 217, 335-345.	1.1	11
144	Dynamic modelling and simulation of dental implant insertion processâ€"A finite element study. Finite Elements in Analysis and Design, 2011, 47, 886-897.	1.7	50

#	Article	IF	Citations
145	An improved tie force method for progressive collapse resistance design of reinforced concrete frame structures. Engineering Structures, 2011, 33, 2931-2942.	2.6	159
146	Long-Term Prediction of Bridge Element Performance Using Time Delay Neural Networks (TDNNs). , 2010, , .		1
147	Finite element simulation of bone remodelling in human mandible around osseointegrated dental implant. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012125.	0.3	1
148	Schur decomposition in the scaled boundary finite element method in elastostatics. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012243.	0.3	2
149	Ultimate strength analysis of normal and high strength concrete wall panels with varying opening configurations. Engineering Structures, 2010, 32, 1341-1355.	2.6	27
150	Numerical Simulation of Bone Remodelling in the Human Mandible Surrounding of a Dental Implant. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
151	Effect of bone to implant contact percentage on bone remodelling surrounding a dental implant. International Journal of Oral and Maxillofacial Surgery, 2010, 39, 690-698.	0.7	62
152	Effect of Bone-Implant Contact Percentage on Bone Remodeling Surrounding a Dental Implant. , 2010, , .		1
153	ANN-based structural element performance model for reliable bridge asset management. , 2010, , 775-780.		4
154	Evaluation of multiple implant-bone parameters on stress characteristics in the mandible under traumatic loading conditions. International Journal of Oral and Maxillofacial Implants, 2010, 25, 461-72.	0.6	6
155	Generating Historical Condition Ratings for the Reliable Prediction of Bridge Deteriorations. , 2009, , .		5
156	Prediction of Punching Shear Failure Behaviour of Slab-Edge Column Connections with Varying Opening and Column Parameters. Advances in Structural Engineering, 2009, 12, 19-36.	1.2	15
157	Influence of bone and dental implant parameters on stress distribution in the mandible: a finite element study. International Journal of Oral and Maxillofacial Implants, 2009, 24, 866-76.	0.6	44
158	Stepâ€wise analysis of the dental implant insertion process using the finite element technique. Clinical Oral Implants Research, 2008, 19, 303-313.	1.9	43
159	Effective Implementation of a Bridge Management System Using Limited Historical Inspection Records. , 2008, , .		0
160	An ANN-Based Backward Prediction Model for Reliable Bridge Management System Implementations Using Limited Inspection Records â€“ Case Studies. , 2008, , .		3
161	Comparative Analysis of Internal and External-Hex Crown Connection Systems - A Finite Element Study. Journal of Biomedical Science and Engineering, 2008, 01, 10-14.	0.2	5
162	Layered Finite Element Analysis of One-Way and Two-Way Concrete Walls with Openings. Advances in Structural Engineering, 2007, 10, 55-72.	1.2	19

#	Article	IF	Citations
163	Finite element studies of reinforced concrete slab - edge column connections with openings. Canadian Journal of Civil Engineering, 2007, 34, 952-965.	0.7	12
164	Development of Strut-And-Tie Models in Deep Beams with Web Openings. Advances in Structural Engineering, 2007, 10, 697-711.	1.2	18
165	Application of the finite element method in dental implant research. Computer Methods in Biomechanics and Biomedical Engineering, 2006, 9, 257-270.	0.9	200
166	Effect of Sizes and Positions of Web Openings on Strut-and-Tie Models of Deep Beams. Advances in Structural Engineering, 2005, 8, 69-84.	1.2	9
167	Strut-and-tie model of deep beams with web openings - An optimization approach. Structural Engineering and Mechanics, 2005, 19, 361-379.	1.0	18
168	Stress and deformation of offshore piles under structural and wave loading. Ocean Engineering, 2003, 30, 369-385.	1.9	30
169	Bridge topology optimisation with stress, displacement and frequency constraints. Computers and Structures, 2003, 81, 131-145.	2.4	49
170	Failure analysis of columnÂ–slab connections with stud shear reinforcement. Canadian Journal of Civil Engineering, 2003, 30, 934-944.	0.7	14
171	Simple Analysis of Framed-Tube Structures with Multiple Internal Tubes. Journal of Structural Engineering, 2001, 127, 450-460.	1.7	29
172	TOPOLOGY OPTIMIZATION OF BRIDGE TYPE STRUCTURES WITH STRESS AND DISPLACEMENT CONSTRAINTS. International Journal of Computational Engineering Science, 2001, 02, 199-221.	0.1	2
173	Ust Failure Criterion for Punching Shear Analysis of Reinforcement Concrete Slab-Column Connections. , 2001, , 299-304.		7
174	Finite Element Analysis of Combined Structural and Coastal Loads on a Concrete Pile. , 2001, , 195-200.		1
175	Simplified analysis of shear-lag in framed-tube structures with multiple internal tubes. Computational Mechanics, 2000, 26, 0447-0458.	2.2	5
176	Evolutionary Structural Optimisation Incorporating Tension and Compression Materials. Advances in Structural Engineering, 1999, 2, 273-288.	1.2	24
177	Optimisation of bridge deck positioning by the evolutionary procedure. Structural Engineering and Mechanics, 1999, 7, 551-559.	1.0	4
178	Optimization of cable-stayed and tied arch bridges. , 1998, , .		1
179	Flexural and Shear Failure Analysis of Reinforced Concrete Slabs and Flat Plates. Advances in Structural Engineering, 1997, 1, 71-85.	1.2	21
180	Cracking and Punching Shear Failure Analysis of RC Flat Plates. Journal of Structural Engineering, 1997, 123, 1321-1330.	1.7	42

#	Article	IF	Citations
181	Layered finite element method in cracking and failure analysis of RC beams and beam-column-slab connections. Structural Engineering and Mechanics, 1997, 5, 645-662.	1.0	19
182	Nonlinear modelling of cable-stayed bridges. Journal of Constructional Steel Research, 1993, 26, 249-266.	1.7	12
183	Modelling Long-Term Bridge Deterioration at Structural Member Level Using Artificial Intelligence Techniques. Applied Mechanics and Materials, 0, 99-100, 444-453.	0.2	6
184	Development of Methodology for Enhancing Visual Bridge Condition Assessment Using Image Processing Techniques. Applied Mechanics and Materials, 0, 256-259, 1563-1570.	0.2	1
185	Modeling and Simulation for Nutation Drive with Rolling Teeth. Advanced Materials Research, 0, 538-541, 470-473.	0.3	6
186	Three-Dimensional Finite Element Analysis of Doweled Joints in Concrete Pavements. Advanced Materials Research, 0, 723, 245-257.	0.3	0
187	Preliminary Collapse Simulation of a Reinforced Concrete Flat Plate Substructure Using Spring Connection Modelling. Applied Mechanics and Materials, 0, 638-640, 1445-1448.	0.2	1
188	Senile Coconut Palm Hierarchical Structure as Foundation for Biomimetic Applications. Applied Mechanics and Materials, 0, 553, 344-349.	0.2	4
189	Development of Prediction Model for Doweled Joint Concrete Pavement Using Three-Dimensional Finite Element Analysis. Applied Mechanics and Materials, 0, 587-589, 1047-1057.	0.2	5
190	Effect of Dowel Looseness on Response of Jointed Concrete Pavements Using Three-Dimensional Finite Element Analysis. Advanced Materials Research, 0, 900, 435-444.	0.3	5
191	Finite Element Modeling of Bolted Cold-Formed Steel Storage Rack Upright Frames. Applied Mechanics and Materials, 0, 846, 251-257.	0.2	1
192	Mechanics of Structures and Materials XXIV. , 0, , .		5
193	Effect of Support Conditions on Strut-and-Tie Model of Deep Beams with Web Openings. , 0, , .		1
194	Numerical stability and accuracy of the scaled boundary finite element method in engineering applications. ANZIAM Journal, 0, 57, 114.	0.0	0
195	Stress Distribution in the Mandible influenced by Nobel Biocare, 3i and Neoss Implant Thread Designs. , 0, , .		0
196	Combined Structural and Coastal Loads on an Offshore Pile: A Numerical Study. , 0, , .		0
197	A Numerical Study of One-Way and Two-Way Concrete Walls with Openings. , 0, , .		0