Hong Guan

List of Publications by Year
in descending order

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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	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
2	Collapse simulation of reinforced concrete highâ€rise building induced by extreme earthquakes. Earthquake Engineering and Structural Dynamics, 2013, 42, 705-723.	2.5	203
3	Application of the finite element method in dental implant research. Computer Methods in Biomechanics and Biomedical Engineering, 2006, 9, 257-270.	0.9	200
4	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
5	Stiffness and strength parameters for hardening soil model of soft and stiff Bangkok clays. Soils and Foundations, 2012, 52, 682-697.	1.3	164
6	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
7	An improved tie force method for progressive collapse resistance design of reinforced concrete frame structures. Engineering Structures, 2011, 33, 2931-2942.	2.6	159
8	A virtual reality based fire training simulator with smoke hazard assessment capacity. Advances in Engineering Software, 2014, 68, 1-8.	1.8	96
9	A nonlinear computational model for regional seismic simulation of tall buildings. Bulletin of Earthquake Engineering, 2016, 14, 1047-1069.	2.3	85
10	Towards UAV-based bridge inspection systems: a review and an application perspective. Structural Monitoring and Maintenance, 2015, 2, 283-300.	1.7	79
11	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
12	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
13	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
14	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
15	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
16	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
17	Bridge topology optimisation with stress, displacement and frequency constraints. Computers and Structures, 2003, 81, 131-145.	2.4	49
18	Experimental study of a novel multi-hazard resistant prefabricated concrete frame structure. Soil Dynamics and Earthquake Engineering, 2019, 119, 390-407.	1.9	48

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19	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
20	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
21	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
22	A Comprehensive Review of Deep Learning-Based Crack Detection Approaches. Applied Sciences (Switzerland), 2022, 12, 1374.	1.3	45
23	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
24	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
25	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
26	Cracking and Punching Shear Failure Analysis of RC Flat Plates. Journal of Structural Engineering, 1997, 123, 1321-1330.	1.7	42
27	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
28	Evaluation of Modal and Traditional Pushover Analyses in Frame-Shear-Wall Structures. Advances in Structural Engineering, 2011, 14, 815-836.	1.2	40
29	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
30	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
31	Self-shape optimisation principles: Optimisation of section capacity for thin-walled profiles. Thin-Walled Structures, 2012, 60, 194-204.	2.7	38
32	Progressive Collapse Resistance Demand of RC Frames under Catenary Mechanism. ACI Structural Journal, 2014, 111, .	0.3	38
33	Study of offshore monopile behaviour due to ocean waves. Ocean Engineering, 2011, 38, 1946-1956.	1.9	37
34	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
35	Load Transfer and Collapse Resistance of RC Flat Plates under Interior Column Removal Scenario. Journal of Structural Engineering, 2018, 144, .	1.7	36
36	Foregroundâ€“background separation technique for crack detection. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 457-470.	6.3	35

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37	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
38	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
39	Earthquake Disaster Simulation of Civil Infrastructures. , 2017, , .		33
40	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
41	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
42	Building seismic response and visualization using 3D urban polygonal modeling. Automation in Construction, 2015, 55, 25-34.	4.8	31
43	Probability-based progressive collapse-resistant assessment for reinforced concrete frame structures. Advances in Structural Engineering, 2016, 19, 1723-1735.	1.2	31
44	Stress and deformation of offshore piles under structural and wave loading. Ocean Engineering, 2003, 30, 369-385.	1.9	30
45	Progressive Collapse Resistance of Two Typical High-Rise RC Frame Shear Wall Structures. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	30
46	Simple Analysis of Framed-Tube Structures with Multiple Internal Tubes. Journal of Structural Engineering, 2001, 127, 450-460.	1.7	29
47	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
48	Development of an Integrated Method for Probabilistic Bridge-Deterioration Modeling. Journal of Performance of Constructed Facilities, 2014, 28, 330-340.	1.0	29
49	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
50	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
51	Ultimate strength analysis of normal and high strength concrete wall panels with varying opening configurations. Engineering Structures, 2010, 32, 1341-1355.	2.6	27
52	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
53	Quantifying the seismic resilience of two tall buildings designed using Chinese and US Codes. Earthquake and Structures, 2016, 11, 925-942.	1.0	27
54	Prediction of Long-Term Bridge Performance: Integrated Deterioration Approach with Case Studies. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	26

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55	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
56	Propagation Buckling in Subsea Pipe-in-Pipe Systems. Journal of Engineering Mechanics - ASCE, 2017, 143, .	1.6	26
57	Evolutionary Structural Optimisation Incorporating Tension and Compression Materials. Advances in Structural Engineering, 1999, 2, 273-288.	1.2	24
58	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
59	Web crippling behaviour and design of aluminium lipped channel sections under two flange loading conditions. Thin-Walled Structures, 2019, 144, 106265.	2.7	24
60	Compressive behaviour of novel timber-filled steel tubular (TFST) columns. Construction and Building Materials, 2020, 238, 117734.	3.2	24
61	Automatic Bridge Crack Detection â€“ A Texture Analysis-Based Approach. Lecture Notes in Computer Science, 2014, , 193-203.	1.0	24
62	Physics engine-driven visualization of deactivated elements and its application in bridge collapse simulation. Automation in Construction, 2013, 35, 471-481.	4.8	23
63	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
64	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
65	Influence of horizontal restraints on the behaviour of vertical disproportionate collapse of RC moment frames. Engineering Failure Analysis, 2020, 109, 104324.	1.8	22
66	Flexural and Shear Failure Analysis of Reinforced Concrete Slabs and Flat Plates. Advances in Structural Engineering, 1997, 1, 71-85.	1.2	21
67	Development of Seismic Collapse Capacity Spectra and Parametric Study. Advances in Structural Engineering, 2014, 17, 1241-1255.	1.2	21
68	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
69	Numerical investigation of web crippling in fastened aluminium lipped channel sections under two-flange loading conditions. Structures, 2020, 23, 351-365.	1.7	21
70	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
71	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
72	Drivers towards Adopting Modular Integrated Construction for Affordable Sustainable Housing: A Total Interpretive Structural Modelling (TISM) Method. Buildings, 2022, 12, 637.	1.4	20

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73	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
74	Experimental and theoretical study of seismic and progressive collapse resilient composite frames. Soil Dynamics and Earthquake Engineering, 2020, 139, 106370.	1.9	19
75	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
76	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
77	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
78	Development of Strut-And-Tie Models in Deep Beams with Web Openings. Advances in Structural Engineering, 2007, 10, 697-711.	1.2	18
79	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
80	Strut-and-tie model of deep beams with web openings - An optimization approach. Structural Engineering and Mechanics, 2005, 19, 361-379.	1.0	18
81	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
82	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
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	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
85	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
86	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
87	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
88	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
89	Evaluation of Roundabout Capacity Models: An Empirical Case Study. Journal of Transportation Engineering, 2016, 142, 04016066.	0.9	15
90	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

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91	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
92	Post-punching mechanisms of slabâ€“column joints under upward and downward punching actions. Magazine of Concrete Research, 2021, 73, 302-314.	0.9	15
93	Web crippling investigations of aluminium lipped channel sections under one-flange loading conditions. Thin-Walled Structures, 2021, 166, 108025.	2.7	15
94	Failure analysis of columnÂ–slab connections with stud shear reinforcement. Canadian Journal of Civil Engineering, 2003, 30, 934-944.	0.7	14
95	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
96	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
97	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
98	Comparative and Parametric Studies on Behavior of RC-Flat Plates Subjected to Interior-Column Loss. Journal of Structural Engineering, 2020, 146, .	1.7	13
99	Web crippling capacities of fastened aluminium lipped channel sections subjected to one-flange loading conditions. Structures, 2021, 33, 1754-1763.	1.7	13
100	Latest Advances in Finite Element Modelling and Model Updating of Cable-Stayed Bridges. Infrastructures, 2022, 7, 8.	1.4	13
101	Nonlinear modelling of cable-stayed bridges. Journal of Constructional Steel Research, 1993, 26, 249-266.	1.7	12
102	Finite element studies of reinforced concrete slab - edge column connections with openings. Canadian Journal of Civil Engineering, 2007, 34, 952-965.	0.7	12
103	Optimum Degree of Bone-Implant Contact in Bone Remodelling Induced by Dental Implant. Procedia Engineering, 2011, 14, 2972-2979.	1.2	12
104	Shape optimisation of manufacturable and usable cold-formed steel singly-symmetric and open columns. Thin-Walled Structures, 2016, 109, 271-284.	2.7	12
105	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
106	Progressive Collapse Resistance Demand of RC Frames under Catenary Mechanism. ACI Structural Journal, 2014, 111, .	0.3	12
107	Finite element simulation of bone remodelling in the human mandible surrounding dental implant. Acta Mechanica, 2011, 217, 335-345.	1.1	11
108	Development of a Long-Term Bridge Element Performance Model Using Elman Neural Networks. Journal of Infrastructure Systems, 2014, 20, 04014013.	1.0	10

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109	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
110	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
111	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
112	Experimental Study on the Progressive Collapse Resistance of RC Slabs. , 2014, , .		8
113	Simulation of punching and post-punching shear behaviours of RC slabâ€“column connections. Magazine of Concrete Research, 2021, 73, 1135-1150.	0.9	8
114	Pre- and post-punching performances of eccentrically loaded slab-column joints with in-plane restraints. Engineering Structures, 2021, 248, 113249.	2.6	8
115	Ust Failure Criterion for Punching Shear Analysis of Reinforcement Concrete Slab-Column Connections. , 2001, , 299-304.		7
116	Enhancing post-punching performance of flat plate-column joints by different reinforcement configurations. Journal of Building Engineering, 2021, 43, 102855.	1.6	7
117	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
118	Post-punching failure mechanism and resistance of flat plate-column joints with in-plane constraints. Engineering Failure Analysis, 2022, 138, 106360.	1.8	7
119	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
120	Modeling and Simulation for Nutation Drive with Rolling Teeth. Advanced Materials Research, 0, 538-541, 470-473.	0.3	6
121	Typical deterministic and stochastic bridge deterioration modelling incorporating backward prediction model. Journal of Civil Structural Health Monitoring, 2013, 3, 141-152.	2.0	6
122	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
123	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
124	Simplified analysis of shear-lag in framed-tube structures with multiple internal tubes. Computational Mechanics, 2000, 26, 0447-0458.	2.2	5
125	Generating Historical Condition Ratings for the Reliable Prediction of Bridge Deteriorations. , 2009, , .		5
126	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

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127	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
128	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
129	NUMERICAL STABILITY AND ACCURACY OF THE SCALED BOUNDARY FINITE ELEMENT METHOD IN ENGINEERING APPLICATIONS. ANZIAM Journal, 2015, 57, 114-137.	0.3	5
130	Floor acceleration control of superâ€tall buildings with vibration reduction substructures. Structural Design of Tall and Special Buildings, 2017, 26, e1343.	0.9	5
131	Mechanics of Structures and Materials XXIV. , 0, , .		5
132	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
133	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
134	Senile Coconut Palm Hierarchical Structure as Foundation for Biomimetic Applications. Applied Mechanics and Materials, 0, 553, 344-349.	0.2	4
135	ANN-based structural element performance model for reliable bridge asset management. , 2010, , 775-780.		4
136	Investigation into the behaviour of deep beam with web openings by finite element. Computers and Concrete, 2012, 10, 609-630.	0.7	4
137	Optimisation of bridge deck positioning by the evolutionary procedure. Structural Engineering and Mechanics, 1999, 7, 551-559.	1.0	4
138	An ANN-Based Backward Prediction Model for Reliable Bridge Management System Implementations Using Limited Inspection Records â€“ Case Studies. , 2008, , .		3
139	Refinement of Backward Prediction Method for Reliable Artificial Intelligence-Based Bridge Deterioration Modelling. Advances in Structural Engineering, 2012, 15, 825-836.	1.2	3
140	Investigation on Entry Capacities of Single-Lane Roundabouts. Applied Mechanics and Materials, 2014, 505-506, 497-500.	0.2	3
141	Implementation of Elman neural networks for enhancing reliability of integrated bridge deterioration model. Australian Journal of Structural Engineering, 2014, 15, .	0.4	3
142	Post-Punching Mechanism of Slab-Column Joints Subjected Upward and Downward Punching Shear Actions. , 2018, , .		3
143	Preliminary seismic analysis of fabricated steel frame systems with pin beam-column connections and buckling restrained braces. , 2015, , .		3
144	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

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145	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
146	TOPOLOGY OPTIMIZATION OF BRIDGE TYPE STRUCTURES WITH STRESS AND DISPLACEMENT CONSTRAINTS. International Journal of Computational Engineering Science, 2001, 02, 199-221.	0.1	2
147	Schur decomposition in the scaled boundary finite element method in elastostatics. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012243.	0.3	2
148	Bearing behaviour of aluminium sub-heads with removable beads in faÃ§ade systems. Structures, 2021, 32, 1934-1954.	1.7	2
149	Numerical study on bearing behaviour and design of aluminium sub-heads in faÃ§ade systems. Thin-Walled Structures, 2021, 168, 108140.	2.7	2
150	Environmental impact assessment of post tensioned and reinforced concrete slab construction. , 2012, , 1009-1014.		2
151	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
152	Long-Term Prediction of Bridge Element Performance Using Time Delay Neural Networks (TDNNs). , 2010, , .		1
153	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
154	Effect of Bone-Implant Contact Percentage on Bone Remodeling Surrounding a Dental Implant. , 2010, , .		1
155	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
156	Performance Prediction of Concrete Elements in Bridge Substructures using Integrated Deterioration Method. , 2012, , .		1
157	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
158	Minimising uncertainty in longâ€term prediction of bridge element. Engineering, Construction and Architectural Management, 2013, 20, 127-142.	1.8	1
159	Enhancing Visual-based Bridge Condition Assessment for Concrete Crack Evaluation Using Image Processing Techniques. , 2013, , .		1
160	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
161	Evaluation of Doweled Joints in Concrete Pavements Using Three-Dimensional Finite Element Analysis. , 2014, , .		1
162	Finite Element Modeling of Bolted Cold-Formed Steel Storage Rack Upright Frames. Applied Mechanics and Materials, 0, 846, 251-257.	0.2	1

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163	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
164	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
165	Experimental Study of the Horizontal Progressive Collapse of RC Frames. , 2018, , .		1
166	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
167	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
168	Experimental investigation on the bearing behaviour of aluminium sub-heads in faÃ§ade systems. Thin-Walled Structures, 2020, 156, 106867.	2.7	1
169	Earthquake Disaster Simulation of Typical Urban Areas. , 2021, , 877-932.		1
170	Optimization of cable-stayed and tied arch bridges. , 1998, , .		1
171	Effect of Support Conditions on Strut-and-Tie Model of Deep Beams with Web Openings. , 0, , .		1
172	Finite Element Analysis of Combined Structural and Coastal Loads on a Concrete Pile. , 2001, , 195-200.		1
173	Application of Machine Learning Algorithms in Structural Health Monitoring Research. Lecture Notes in Civil Engineering, 2021, , 219-228.	0.3	1
174	Effective Implementation of a Bridge Management System Using Limited Historical Inspection Records. , 2008, , .		0
175	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
176	Three-Dimensional Finite Element Analysis of Doweled Joints in Concrete Pavements. Advanced Materials Research, 0, 723, 245-257.	0.3	0
177	Simulating Post Punching Behaviour of RC Slab-Column Connections Using a Micro Model. Applied Mechanics and Materials, 2016, 846, 231-236.	0.2	0
178	Comparison of Seismic Design and Resilience of Tall Buildings Based on Chinese and US Design Codes. , 2021, , 171-222.		0
179	Building Models for City-Scale Nonlinear Time-History Analyses. , 2021, , 451-548.		0
180	Post-earthquake Emergency Response and Recovery Through City-Scale Nonlinear Time-History Analysis. , 2021, , 797-876.		0

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181	Earthquake Disaster Simulation of Typical Supertall Buildings. , 2021, , 99-170.		0
182	Fire Following Earthquake and Falling Debris Hazards. , 2021, , 713-795.		0
183	Regional Seismic Loss Estimation of Buildings. , 2021, , 549-639.		0
184	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
185	Seismic Resilient Outriggers and Multi-hazard Resilient Frames. , 2021, , 309-449.		0
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