

Tuan D Ngo

List of Publications by Year in descending order

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Version: 2024-02-01

233
papers

16,839
citations

23879

60
h-index

19470

122
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234
all docs

234
docs citations

234
times ranked

14842
citing authors

#	ARTICLE	IF	CITATIONS
1	Progressive collapse and robustness of modular high-rise buildings. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 302-314.	2.0	14
2	Automated simulation techniques for uncovering high-performance bioinspired cellular structures under blast loads. <i>Journal of Sandwich Structures and Materials</i> , 2022, 24, 517-535.	2.0	1
3	Performance of an auxetic honeycomb-core sandwich panel under close-in and far-field detonations of high explosive. <i>Composite Structures</i> , 2022, 280, 114907.	3.1	15
4	Cost-Effective Mix Design for Ultra-High Strength Concrete Up to 170 MPa. <i>Lecture Notes in Civil Engineering</i> , 2022, , 547-555.	0.3	0
5	Behaviour and design of eccentrically loaded CFST columns with high strength materials and slender sections. <i>Journal of Constructional Steel Research</i> , 2022, 188, 107004.	1.7	9
6	Sustainable utilisation of low-grade and contaminated waste glass fines as a partial sand replacement in structural concrete. <i>Case Studies in Construction Materials</i> , 2022, 16, e00794.	0.8	6
7	Vision-based excavator pose estimation using synthetically generated datasets with domain randomization. <i>Automation in Construction</i> , 2022, 134, 104089.	4.8	29
8	Investigation of rolling shear properties of cross-laminated timber (CLT) and comparison of experimental approaches. <i>Construction and Building Materials</i> , 2022, 316, 125897.	3.2	16
9	Real-time monitoring of construction sites: Sensors, methods, and applications. <i>Automation in Construction</i> , 2022, 136, 104099.	4.8	74
10	Attention recurrent residual U-Net for predicting pixel-level crack widths in concrete surfaces. <i>Structural Health Monitoring</i> , 2022, 21, 2732-2749.	4.3	6
11	Ballistic performance of a lightweight nacre-inspired armour panel – a numerical study. <i>Composites Part C: Open Access</i> , 2022, 8, 100259.	1.5	0
12	Vision transformer-based autonomous crack detection on asphalt and concrete surfaces. <i>Automation in Construction</i> , 2022, 140, 104316.	4.8	32
13	Behaviour of embedded bolted shear connectors in steel-timber composite beams subjected to cyclic loading. <i>Journal of Building Engineering</i> , 2022, 54, 104581.	1.6	6
14	Experimental study on damage magnification effect of lightweight auxetic honeycomb protective panels under close-in blast loads. <i>Thin-Walled Structures</i> , 2022, 178, 109509.	2.7	7
15	Close-in blast resistance of large-scale auxetic re-entrant honeycomb sandwich panels. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 4016-4053.	2.0	22
16	Vision-based automated crack detection using convolutional neural networks for condition assessment of infrastructure. <i>Structural Health Monitoring</i> , 2021, 20, 2124-2142.	4.3	56
17	A bio-mimetic cellular structure for mitigating the effects of impulsive loadings – A numerical study. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 1929-1955.	2.0	10
18	Development of a waste-based eco-friendly structural mortar without Portland cement and natural sand. <i>Structural Concrete</i> , 2021, 22, E488.	1.5	4

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19	Scene understanding in construction and buildings using image processing methods: A comprehensive review and a case study. <i>Journal of Building Engineering</i> , 2021, 33, 101672.	1.6	42
20	Investigation of the auxetic oval structure for energy absorption through quasi-static and dynamic experiments. <i>International Journal of Impact Engineering</i> , 2021, 147, 103741.	2.4	47
21	Computer Vision Techniques in Construction: A Critical Review. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 3383-3397.	6.0	170
22	Inspiration from Nature's body armours – A review of biological and bioinspired composites. <i>Composites Part B: Engineering</i> , 2021, 205, 108513.	5.9	94
23	Concretes containing waste-based materials under active confinement. <i>Construction and Building Materials</i> , 2021, 270, 121465.	3.2	15
24	Reliability considerations of modern design codes for CFST columns. <i>Journal of Constructional Steel Research</i> , 2021, 177, 106482.	1.7	27
25	Automatic far-field camera calibration for construction scene analysis. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2021, 36, 1073-1090.	6.3	13
26	Performance of bio-inspired cross-laminated timber under blast loading – A numerical study. <i>Composite Structures</i> , 2021, 260, 113524.	3.1	4
27	Influence of hydrogen-enhanced plasticity and decohesion mechanisms of hydrogen embrittlement on the fracture resistance of steel. <i>Engineering Failure Analysis</i> , 2021, 123, 105312.	1.8	85
28	Nonlinear inelastic simulation of high-rise buildings with innovative composite coupling shear walls and CFST columns. <i>Structural Design of Tall and Special Buildings</i> , 2021, 30, e1883.	0.9	8
29	Behaviour and design of high strength CFST columns with slender sections. <i>Journal of Constructional Steel Research</i> , 2021, 182, 106645.	1.7	35
30	A state-of-the-art review on the durability of geopolymers for sustainable structures and infrastructure. <i>Construction and Building Materials</i> , 2021, 291, 123381.	3.2	93
31	Strengthening of heat-damaged steel fiber-reinforced concrete using CFRP composites: Experimental study and analytical modeling. <i>Structures</i> , 2021, 32, 1856-1870.	1.7	20
32	Effect of recycled rubber aggregate size on fracture and other mechanical properties of structural concrete. <i>Journal of Cleaner Production</i> , 2021, 314, 128230.	4.6	40
33	A digital twin approach for geometric quality assessment of as-built prefabricated façades. <i>Journal of Building Engineering</i> , 2021, 41, 102377.	1.6	26
34	Biomimetic adaptive electrochromic windows for enhancing building energy efficiency. <i>Applied Energy</i> , 2021, 300, 117341.	5.1	25
35	The structural behaviours of steel reinforced geopolymers concrete beams: An experimental and numerical investigation. <i>Structures</i> , 2021, 33, 567-580.	1.7	18
36	Optimised mix design and elastic modulus prediction of ultra-high strength concrete. <i>Construction and Building Materials</i> , 2021, 302, 124150.	3.2	19

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37	Shrinkage behavior of cementitious 3D printing materials: Effect of temperature and relative humidity. <i>Cement and Concrete Composites</i> , 2021, 124, 104238.	4.6	29
38	Novel lightweight high-energy absorbing auxetic structures guided by topology optimisation. <i>International Journal of Mechanical Sciences</i> , 2021, 211, 106793.	3.6	52
39	Durability performance of reinforced waste-based geopolymer foam concrete under exposure to various corrosive environments. <i>Case Studies in Construction Materials</i> , 2021, 15, e00703.	0.8	8
40	Waste-based alkali-activated mortars containing low- and high-halloysite kaolin nanoparticles. <i>Journal of Cleaner Production</i> , 2021, 327, 129428.	4.6	10
41	Geometrically nonlinear dynamic response and vibration of shear deformable eccentrically stiffened functionally graded material cylindrical panels subjected to thermal, mechanical, and blast loads. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 658-688.	2.0	12
42	The effects of surfactants on properties of lightweight concrete foam. <i>Magazine of Concrete Research</i> , 2020, 72, 163-172.	0.9	13
43	An artificial neural network (ANN) expert system enhanced with the electromagnetism-based firefly algorithm (EFA) for predicting the energy consumption in buildings. <i>Energy</i> , 2020, 190, 116370.	4.5	113
44	Blast performance of a bio-mimetic panel based on the structure of nacre " A numerical study. <i>Composite Structures</i> , 2020, 234, 111691.	3.1	23
45	Bending and shear performance of Australian Radiata pine cross-laminated timber. <i>Construction and Building Materials</i> , 2020, 232, 117215.	3.2	44
46	Enhancing Toughness of Medium-Density Fiberboard by Mimicking Nacreous Structures through Advanced Manufacturing Techniques. <i>Journal of Structural Engineering</i> , 2020, 146, 04020001.	1.7	2
47	Experimental and numerical investigation of an exterior reinforced concrete beam-column joint subjected to shock loading. <i>International Journal of Impact Engineering</i> , 2020, 137, 103473.	2.4	15
48	Investigation of long-term corrosion resistance of reinforced concrete structures constructed with various types of concretes in marine and various climate environments. <i>Construction and Building Materials</i> , 2020, 237, 117701.	3.2	39
49	Use of fluid structure interaction technique for flash flood impact assessment of structural components. <i>Journal of Flood Risk Management</i> , 2020, 13, e12581.	1.6	6
50	Dynamic increase factors for Radiata pine CLT panels subjected to simulated out-of-plane blast loading. <i>Engineering Structures</i> , 2020, 225, 111299.	2.6	8
51	A review on modular construction for high-rise buildings. <i>Structures</i> , 2020, 28, 1265-1290.	1.7	161
52	Behaviour and design calculations of rectangular CFST beam-columns with slender sections. <i>Engineering Structures</i> , 2020, 222, 111142.	2.6	14
53	Impact of Australia's catastrophic 2019/20 bushfire season on communities and environment. Retrospective analysis and current trends. <i>Journal of Safety Science and Resilience</i> , 2020, 1, 44-56.	1.3	158
54	Uncovering a high-performance bio-mimetic cellular structure from trabecular bone. <i>Scientific Reports</i> , 2020, 10, 14247.	1.6	10

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55	Performance of a bio-mimetic 3D printed conch-like structure under quasi-static loading. Composite Structures, 2020, 246, 112433.	3.1	20
56	Experimental study into the behaviour of profiled composite walls under combined axial and thermal loadings. Engineering Structures, 2020, 210, 110354.	2.6	4
57	Enhancing building energy efficiency by adaptive facade: A computational optimization approach. Applied Energy, 2020, 265, 114797.	5.1	67
58	Development limitations of compressive arch and catenary actions in reinforced concrete special moment resisting frames under column-loss scenarios. Structure and Infrastructure Engineering, 2020, 16, 1616-1634.	2.0	12
59	The use of digital image correlation for identifying failure characteristics of cross-laminated timber under transverse loading. Measurement: Journal of the International Measurement Confederation, 2020, 154, 107502.	2.5	32
60	Comparison of optimal oriented facade integrated solar cooling systems in Australian climate zones. Solar Energy, 2020, 198, 385-398.	2.9	16
61	Sensor-based safety management. Automation in Construction, 2020, 113, 103128.	4.8	78
62	Production and placement of self-compacting concrete. , 2020, , 65-81.		3
63	Uncertainty quantification of the mechanical properties of lightweight concrete using micromechanical modelling. International Journal of Mechanical Sciences, 2020, 173, 105468.	3.6	21
64	Performance of a 3D printed cellular structure inspired by bone. Thin-Walled Structures, 2020, 151, 106713.	2.7	45
65	Multi-scale analysis on thermal properties of cement-based materials containing micro-encapsulated phase change materials. Construction and Building Materials, 2020, 254, 119221.	3.2	15
66	Life cycle performance of Cross Laminated Timber mid-rise residential buildings in Australia. Energy and Buildings, 2020, 223, 110091.	3.1	61
67	Failure analysis of structural steel subjected to long term exposure of hydrogen. Engineering Failure Analysis, 2020, 114, 104606.	1.8	20
68	An approach for sustainable, cost-effective and optimised material design for the prefabricated non-structural components of residential buildings. Journal of Building Engineering, 2020, 32, 101474.	1.6	31
69	Unsaturated soil blast: Flying plate experiment and numerical investigations. International Journal of Impact Engineering, 2019, 125, 212-228.	2.4	21
70	Advancements in Analysis and Design of Protective Structures against Extreme Loadings. Advances in Civil Engineering, 2019, 2019, 1-2.	0.4	0
71	Assessment of progressive collapse potential of special moment resisting RC frames – Experimental and FE study. Engineering Failure Analysis, 2019, 105, 896-918.	1.8	30
72	Simulation of cellular structures under large deformations using the material point method. International Journal of Impact Engineering, 2019, 134, 103385.	2.4	8

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73	New advancements, challenges and opportunities of multi-storey modular buildings – A state-of-the-art review. <i>Engineering Structures</i> , 2019, 183, 883-893.	2.6	345
74	A micromechanical investigation for the effects of pore size and its distribution on geopolymer foam concrete under uniaxial compression. <i>Engineering Fracture Mechanics</i> , 2019, 209, 228-244.	2.0	98
75	A comprehensive review of selected biological armor systems – From structure-function to bio-mimetic techniques. <i>Composite Structures</i> , 2019, 225, 111172.	3.1	21
76	Development and performance evaluation of large-scale auxetic protective systems for localised impulsive loads. <i>International Journal of Protective Structures</i> , 2019, 10, 390-417.	1.4	46
77	Interfacial chemistry of a fly ash geopolymer and aggregates. <i>Journal of Cleaner Production</i> , 2019, 231, 980-989.	4.6	55
78	High strength/density ratio in a syntactic foam made from one-part mix geopolymer and cenospheres. <i>Composites Part B: Engineering</i> , 2019, 173, 106908.	5.9	53
79	Vibration of cracked functionally graded microplates by the strain gradient theory and extended isogeometric analysis. <i>Engineering Structures</i> , 2019, 187, 251-266.	2.6	37
80	Performance Review of Prefabricated Building Systems and Future Research in Australia. <i>Buildings</i> , 2019, 9, 38.	1.4	170
81	Concrete-filled steel tubular columns: Test database, design and calibration. <i>Journal of Constructional Steel Research</i> , 2019, 157, 161-181.	1.7	91
82	Effect of recycled glass fines on mechanical and durability properties of concrete foam in comparison with traditional cementitious fines. <i>Cement and Concrete Composites</i> , 2019, 99, 120-129.	4.6	60
83	Effective use of Offsite Manufacturing for Public Infrastructure Projects in Australia. , 2019, , .		4
84	Deep neural network with high-order neuron for the prediction of foamed concrete strength. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2019, 34, 316-332.	6.3	167
85	A novel hybrid method combining electromagnetism-like mechanism and firefly algorithms for constrained design optimization of discrete truss structures. <i>Computers and Structures</i> , 2019, 212, 20-42.	2.4	62
86	Feasibility study to estimate the environmental benefits of utilising timber to construct high-rise buildings in Australia. <i>Building and Environment</i> , 2019, 147, 108-120.	3.0	51
87	The development and ballistic performance of protective steel-concrete composite barriers against hypervelocity impacts by explosively formed projectiles. <i>Composite Structures</i> , 2019, 207, 625-644.	3.1	20
88	Nonlinear dynamic response and vibration of imperfect eccentrically stiffened sandwich third-order shear deformable FGM cylindrical panels in thermal environments. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 2816-2845.	2.0	4
89	The effects of precursors on rheology and self-compactness of geopolymer concrete. <i>Magazine of Concrete Research</i> , 2019, 71, 557-566.	0.9	17
90	Identification of the risk of blast-induced glass window failure in a complex environment. <i>International Journal of Protective Structures</i> , 2018, 9, 99-117.	1.4	2

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91	Examination of alkali-activated material nanostructure during thermal treatment. Journal of Materials Science, 2018, 53, 9486-9503.	1.7	37
92	Effects of surface treatments of recycled tyre crumb on cement-rubber bonding in concrete composite foam. Construction and Building Materials, 2018, 171, 467-473.	3.2	127
93	Microstructural study of environmentally friendly boroaluminosilicate geopolymers. Journal of Cleaner Production, 2018, 189, 805-812.	4.6	33
94	Additive manufacturing (3D printing): A review of materials, methods, applications and challenges. Composites Part B: Engineering, 2018, 143, 172-196.	5.9	4,756
95	Design analysis of hybrid composite anti-ram bollard subjected to impulsive loadings. Composite Structures, 2018, 189, 598-613.	3.1	18
96	Auxetic metamaterials and structures: a review. Smart Materials and Structures, 2018, 27, 023001.	1.8	657
97	Enhancing the strength of pre-made foams for foam concrete applications. Cement and Concrete Composites, 2018, 87, 164-171.	4.6	175
98	Sustainable one-part geopolymer foams with glass fines versus sand as aggregates. Construction and Building Materials, 2018, 171, 223-231.	3.2	100
99	Fire resistance of a prefabricated bushfire bunker using aerated concrete panels. Construction and Building Materials, 2018, 174, 410-420.	3.2	24
100	Creep properties of cement and alkali activated fly ash materials using nanoindentation technique. Construction and Building Materials, 2018, 168, 547-555.	3.2	35
101	The Failure Behaviour of Reinforced Concrete Panels Under Far-field and Near-field Blast Effects. Structures, 2018, 14, 220-229.	1.7	22
102	Predictive applications of Australian flood loss models after a temporal and spatial transfer. Geomatics, Natural Hazards and Risk, 2018, 9, 416-430.	2.0	3
103	Influence of geometric and material parameters on the behavior of nacreous composites under quasi-static loading. Composite Structures, 2018, 183, 457-482.	3.1	14
104	Blast resistance of auxetic and honeycomb sandwich panels: Comparisons and parametric designs. Composite Structures, 2018, 183, 242-261.	3.1	298
105	Auxetic nail: Design and experimental study. Composite Structures, 2018, 184, 288-298.	3.1	123
106	Performance of high-strength concrete walls exposed to fire. Advances in Structural Engineering, 2018, 21, 1173-1182.	1.2	7
107	A polytree-based adaptive polygonal finite element method for multi-material topology optimization. Computer Methods in Applied Mechanics and Engineering, 2018, 332, 712-739.	3.4	60
108	A discrete element model of concrete for cyclic loading. Computers and Structures, 2018, 196, 173-185.	2.4	35

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109	Design and characterisation of a tuneable 3D buckling-induced auxetic metamaterial. <i>Materials and Design</i> , 2018, 139, 336-342.	3.3	132
110	Stress-strain relationship for very-high strength concrete (>100MPa) confined by lateral reinforcement. <i>Engineering Structures</i> , 2018, 177, 795-808.	2.6	33
111	Understanding failure and stress-strain behavior of very-high strength concrete (>100MPa) confined by lateral reinforcement. <i>Construction and Building Materials</i> , 2018, 189, 62-77.	3.2	30
112	Effect of fire-retardant ceram powder on the properties of phenolic-based GFRP composites. <i>Composites Part B: Engineering</i> , 2018, 155, 414-424.	5.9	37
113	3D meso-scale modelling of foamed concrete based on X-ray Computed Tomography. <i>Construction and Building Materials</i> , 2018, 188, 583-598.	3.2	83
114	Validation of the material point method for the simulation of thin-walled tubes under lateral compression. <i>Thin-Walled Structures</i> , 2018, 130, 32-46.	2.7	17
115	Hybrid-mesh modelling & validation of woven fabric subjected to medium velocity impact. <i>International Journal of Mechanical Sciences</i> , 2018, 144, 427-437.	3.6	20
116	Breach diameter analysis of concrete panels subjected to contact charge detonations. <i>International Journal of Impact Engineering</i> , 2018, 120, 95-109.	2.4	13
117	Glass waste versus sand as aggregates: The characteristics of the evolving geopolymer binders. <i>Journal of Cleaner Production</i> , 2018, 193, 593-603.	4.6	104
118	A modified firefly algorithm-artificial neural network expert system for predicting compressive and tensile strength of high-performance concrete. <i>Construction and Building Materials</i> , 2018, 180, 320-333.	3.2	247
119	Optimisation of Mixture Properties for 3D Printing of Geopolymer Concrete. , 2018, , .		10
120	Three-dimensional modelling of auxetic sandwich panels for localised impact resistance. <i>Journal of Sandwich Structures and Materials</i> , 2017, 19, 291-316.	2.0	183
121	Nonlinear dynamic response and vibration of imperfect shear deformable functionally graded plates subjected to blast and thermal loads. <i>Mechanics of Advanced Materials and Structures</i> , 2017, 24, 318-329.	1.5	51
122	Building Information Modelling for High-Rise Land Administration. <i>Transactions in GIS</i> , 2017, 21, 91-113.	1.0	58
123	Alkali activated slag foams: The effect of the alkali reaction on foam characteristics. <i>Journal of Cleaner Production</i> , 2017, 147, 330-339.	4.6	115
124	Regulating the chemical foaming reaction to control the porosity of geopolymer foams. <i>Materials and Design</i> , 2017, 120, 255-265.	3.3	116
125	Investigation of strength and hydration characteristics in nano-silica incorporated cement paste. <i>Cement and Concrete Composites</i> , 2017, 80, 17-30.	4.6	164
126	A sustainable application of recycled tyre crumbs as insulator in lightweight cellular concrete. <i>Journal of Cleaner Production</i> , 2017, 149, 925-935.	4.6	114

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127	Experimental investigation of progressive collapse potential of ordinary and special moment-resisting reinforced concrete frames. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	1.3	18
128	A new simple shear deformation plate theory. <i>Composite Structures</i> , 2017, 171, 277-285.	3.1	24
129	Reprint of: Experimental investigation and simplified modeling of response of steel plates subjected to close-in blast loading from spherical liquid explosive charges. <i>International Journal of Impact Engineering</i> , 2017, 105, 1-12.	2.4	12
130	Progressive collapse analysis of a typical RC high-rise tower. <i>Journal of King Saud University, Engineering Sciences</i> , 2017, 29, 313-320.	1.2	15
131	Experimental and numerical investigation of influence of air-voids on the compressive behaviour of foamed concrete. <i>Materials and Design</i> , 2017, 130, 103-119.	3.3	140
132	Pore characteristics in one-part mix geopolymers foamed by H ₂ O ₂ : The impact of mix design. <i>Materials and Design</i> , 2017, 130, 381-391.	3.3	139
133	How does aluminium foaming agent impact the geopolymer formation mechanism?. <i>Cement and Concrete Composites</i> , 2017, 80, 277-286.	4.6	75
134	Thermal and mechanical stability of functionally graded carbon nanotubes (FG CNT)-reinforced composite truncated conical shells surrounded by the elastic foundations. <i>Thin-Walled Structures</i> , 2017, 115, 300-310.	2.7	131
135	New approach to study nonlinear dynamic response and vibration of sandwich composite cylindrical panels with auxetic honeycomb core layer. <i>Aerospace Science and Technology</i> , 2017, 70, 396-404.	2.5	112
136	Thermal performance of calcium-rich alkali-activated materials: A microstructural and mechanical study. <i>Construction and Building Materials</i> , 2017, 153, 225-237.	3.2	29
137	Comparative assessment of the benefits associated with the absorption of CO ₂ with the use of RCA in structural concrete. <i>Journal of Cleaner Production</i> , 2017, 158, 285-295.	4.6	7
138	A novel three-variable shear deformation plate formulation: Theory and Isogeometric implementation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 326, 376-401.	3.4	163
139	Impact and close-in blast response of auxetic honeycomb-cored sandwich panels: Experimental tests and numerical simulations. <i>Composite Structures</i> , 2017, 180, 161-178.	3.1	265
140	Discrete Element Modelling of the Mechanical Behaviour of a Highly Porous Foamed Concrete. , 2017, , .		3
141	Nonlinear dynamic response and vibration of functionally graded carbon nanotube-reinforced composite (FG-CNTRC) shear deformable plates with temperature-dependent material properties and surrounded on elastic foundations. <i>Journal of Thermal Stresses</i> , 2017, 40, 1254-1274.	1.1	78
142	Optimisation and financial analysis of an organic Rankine cycle cooling system driven by facade integrated solar collectors. <i>Applied Energy</i> , 2017, 185, 172-182.	5.1	27
143	Bimaterial 3D printing and numerical analysis of bio-inspired composite structures under in-plane and transverse loadings. <i>Composites Part B: Engineering</i> , 2017, 108, 210-223.	5.9	197
144	Compressive strength prediction of nano-silica incorporated cement systems based on a multiscale approach. <i>Materials and Design</i> , 2017, 115, 379-392.	3.3	59

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145	Experimental investigation and simplified modeling of response of steel plates subjected to close-in blast loading from spherical liquid explosive charges. <i>International Journal of Impact Engineering</i> , 2017, 101, 78-89.	2.4	50
146	Reconstructed Phase Space-Based Damage Detection Using a Single Sensor for Beam-Like Structure Subjected to a Moving Mass. <i>Shock and Vibration</i> , 2017, 2017, 1-20.	0.3	15
147	Flood loss modelling with FLF-IT: a new flood loss function for Italian residential structures. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1047-1059.	1.5	15
148	Design and Modeling of Bio-inspired Lightweight Composite Panels for Blast Resistance. , 2017, , 201-231.		3
149	Calibration and validation of FLFA<sub>rs> – a new flood loss function for Australian residential structures. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 15-27.	1.5	26
150	An Assessment of the Effectiveness of Tree-Based Models for Multi-Variate Flood Damage Assessment in Australia. <i>Water (Switzerland)</i> , 2016, 8, 282.	1.2	29
151	Experimental and numerical investigations on the thermal response of multilayer glass fibre/unsaturated polyester/organoclay composite. <i>Fire and Materials</i> , 2016, 40, 1047-1069.	0.9	19
152	Innovative Flexible Structural System Using Prefabricated Modules. <i>Journal of Architectural Engineering</i> , 2016, 22, .	0.8	54
153	Blast Resistance of Hybrid Elastomeric Composite Panels. <i>Applied Mechanics and Materials</i> , 2016, 846, 458-463.	0.2	3
154	A Numerical Investigation of the Performance of a Nacre-Like Composite under Blast Loading. <i>Applied Mechanics and Materials</i> , 2016, 846, 464-469.	0.2	12
155	Effects of phase change material roof layers on thermal performance of a residential building in Melbourne and Sydney. <i>Energy and Buildings</i> , 2016, 121, 152-158.	3.1	58
156	Effect of Nanoclay on Thermomechanical Properties of Epoxy/Glass Fibre Composites. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 1251-1261.	1.1	17
157	Development and evaluation of FLFAcs “ A new Flood Loss Function for Australian commercial structures. <i>International Journal of Disaster Risk Reduction</i> , 2016, 17, 13-23.	1.8	12
158	Heat release and flame propagation in prefabricated modular unit with GFRP composite facades. <i>Building Simulation</i> , 2016, 9, 607-616.	3.0	21
159	Nonlinear stability of eccentrically stiffened S-FGM elliptical cylindrical shells in thermal environment. <i>Thin-Walled Structures</i> , 2016, 108, 280-290.	2.7	32
160	Fire performance of prefabricated modular units using organoclay/glass fibre reinforced polymer composite. <i>Construction and Building Materials</i> , 2016, 129, 204-215.	3.2	43
161	Dynamic response of double skin fašades under blast loads. <i>Engineering Structures</i> , 2016, 123, 155-165.	2.6	17
162	Numerical modelling of hybrid elastomeric composite panels subjected to blast loadings. <i>Composite Structures</i> , 2016, 153, 108-122.	3.1	26

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163	A BIM-GIS integration method in support of the assessment and 3D visualisation of flood damage to a building. <i>Journal of Spatial Science</i> , 2016, 61, 317-350.	1.0	73
164	Three-dimensional Voronoi model of a nacre-mimetic composite structure under impulsive loading. <i>Composite Structures</i> , 2016, 153, 278-296.	3.1	47
165	Properties of cementitious mortar and concrete containing micro-encapsulated phase change materials. <i>Construction and Building Materials</i> , 2016, 120, 408-417.	3.2	152
166	A numerical study of auxetic composite panels under blast loadings. <i>Composite Structures</i> , 2016, 135, 339-352.	3.1	284
167	Land-use planning: Implications for transport sustainability. <i>Land Use Policy</i> , 2016, 50, 252-261.	2.5	34
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