

Priyan Mendis

List of Publications by Year in descending order

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221
papers

7,411
citations

57758

44
h-index

69250

77
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221
all docs

221
docs citations

221
times ranked

5151
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering properties of inorganic polymer concretes (IPCs). Cement and Concrete Research, 2007, 37, 251-257.	11.0	370
2	New advancements, challenges and opportunities of multi-storey modular buildings – A state-of-the-art review. Engineering Structures, 2019, 183, 883-893.	5.3	345
3	Life cycle greenhouse gas emissions and energy analysis of prefabricated reusable building modules. Energy and Buildings, 2012, 47, 159-168.	6.7	337
4	Recycling of landfill wastes (tyres, plastics and glass) in construction – A review on global waste generation, performance, application and future opportunities. Resources, Conservation and Recycling, 2021, 173, 105745.	10.8	216
5	Artificial intelligence and smart vision for building and construction 4.0: Machine and deep learning methods and applications. Automation in Construction, 2022, 141, 104440.	9.8	189
6	Enhancing the strength of pre-made foams for foam concrete applications. Cement and Concrete Composites, 2018, 87, 164-171.	10.7	175
7	Investigation of strength and hydration characteristics in nano-silica incorporated cement paste. Cement and Concrete Composites, 2017, 80, 17-30.	10.7	164
8	Behavior of concentrically loaded geopolymer-concrete circular columns reinforced longitudinally and transversely with GFRP bars. Engineering Structures, 2016, 117, 422-436.	5.3	160
9	Properties of cementitious mortar and concrete containing micro-encapsulated phase change materials. Construction and Building Materials, 2016, 120, 408-417.	7.2	152
10	Pore characteristics in one-part mix geopolymers foamed by H ₂ O ₂ : The impact of mix design. Materials and Design, 2017, 130, 381-391.	7.0	139
11	Behavior of Ultrahigh-Strength Prestressed Concrete Panels Subjected to Blast Loading. Journal of Structural Engineering, 2007, 133, 1582-1590.	3.4	128
12	Polyurea coated composite aluminium plates subjected to high velocity projectile impact. Materials & Design, 2013, 52, 1-16.	5.1	121
13	Evaluation of the flexural strength and serviceability of geopolymer concrete beams reinforced with glass-fibre-reinforced polymer (GFRP) bars. Engineering Structures, 2015, 101, 529-541.	5.3	120
14	Regulating the chemical foaming reaction to control the porosity of geopolymer foams. Materials and Design, 2017, 120, 255-265.	7.0	116
15	Alkali activated slag foams: The effect of the alkali reaction on foam characteristics. Journal of Cleaner Production, 2017, 147, 330-339.	9.3	115
16	A sustainable application of recycled tyre crumbs as insulator in lightweight cellular concrete. Journal of Cleaner Production, 2017, 149, 925-935.	9.3	114
17	Influences of the volume fraction and shape of steel fibers on fiber-reinforced concrete subjected to dynamic loading – A review. Engineering Structures, 2016, 124, 405-417.	5.3	108
18	High-strength rice husk ash concrete incorporating quarry dust as a partial substitute for sand. Construction and Building Materials, 2011, 25, 3123-3130.	7.2	105

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19	A framework for a microscale flood damage assessment and visualization for a building using BIM-GIS integration. <i>International Journal of Digital Earth</i> , 2016, 9, 363-386.	3.9	105
20	Strain rate dependent constitutive model for predicting the material behaviour of polyurea under high strain rate tensile loading. <i>Materials & Design</i> , 2014, 53, 830-837.	5.1	91
21	Plastic deformation of polyurea coated composite aluminium plates subjected to low velocity impact. <i>Materials & Design</i> , 2014, 56, 696-713.	5.1	87
22	Bio-inspired composite structures subjected to underwater impulsive loading. <i>Computational Materials Science</i> , 2014, 82, 134-139.	3.0	83
23	Fire safety of composites in prefabricated buildings: From fibre reinforced polymer to textile reinforced concrete. <i>Composites Part B: Engineering</i> , 2020, 187, 107815.	12.0	80
24	Integrated assessment of the use of recycled concrete aggregate replacing natural aggregate in structural concrete. <i>Journal of Cleaner Production</i> , 2018, 174, 591-604.	9.3	79
25	How does aluminium foaming agent impact the geopolymer formation mechanism?. <i>Cement and Concrete Composites</i> , 2017, 80, 277-286.	10.7	75
26	Analytical and numerical investigation of polyurea layered aluminium plates subjected to high velocity projectile impact. <i>Materials and Design</i> , 2015, 82, 1-17.	7.0	73
27	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.	1.5	73
28	Compressive behavior of axially loaded circular hollow concrete columns reinforced with GFRP bars and spirals. <i>Construction and Building Materials</i> , 2019, 194, 12-23.	7.2	70
29	Experimental and computational investigations on fire resistance of GFRP composite for building facade. <i>Composites Part B: Engineering</i> , 2014, 62, 218-229.	12.0	68
30	Life cycle performance of Cross Laminated Timber mid-rise residential buildings in Australia. <i>Energy and Buildings</i> , 2020, 223, 110091.	6.7	61
31	Compressive strength prediction of nano-silica incorporated cement systems based on a multiscale approach. <i>Materials and Design</i> , 2017, 115, 379-392.	7.0	59
32	Flexural behavior of geopolymer-concrete beams longitudinally reinforced with GFRP and steel hybrid reinforcements. <i>Engineering Structures</i> , 2019, 182, 141-152.	5.3	59
33	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.	6.7	58
34	Effects of architecture on ballistic resistance of textile fabrics: Numerical study. <i>International Journal of Damage Mechanics</i> , 2014, 23, 359-376.	4.2	57
35	Comparative assessment of embodied energy of recycled aggregate concrete. <i>Journal of Cleaner Production</i> , 2017, 152, 406-419.	9.3	57
36	Methodology for the integrated assessment on the use of recycled concrete aggregate replacing natural aggregate in structural concrete. <i>Journal of Cleaner Production</i> , 2017, 166, 321-334.	9.3	56

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37	Innovative Flexible Structural System Using Prefabricated Modules. <i>Journal of Architectural Engineering</i> , 2016, 22, .	1.6	54
38	Novel testing and characterization of GFRP bars in compression. <i>Construction and Building Materials</i> , 2019, 225, 1112-1126.	7.2	54
39	Plastic Hinge Lengths of Normal and High-Strength Concrete in Flexure. <i>Advances in Structural Engineering</i> , 2002, 4, 189-195.	2.4	53
40	Measurement and analysis of electromagnetic fields from trams, trains and hybrid cars. <i>Radiation Protection Dosimetry</i> , 2010, 141, 255-268.	0.8	53
41	Financial assessment of manufacturing recycled aggregate concrete in ready-mix concrete plants. <i>Resources, Conservation and Recycling</i> , 2016, 109, 187-201.	10.8	53
42	Aerodynamic instability performance of twin box girders for long-span bridges. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015, 145, 196-208.	3.9	51
43	Shear behaviour of geopolymer-concrete beams transversely reinforced with continuous rectangular GFRP composite spirals. <i>Composite Structures</i> , 2018, 187, 454-465.	5.8	47
44	Out-of-plane impact resistance of aluminium plates subjected to low velocity impacts. <i>Materials & Design</i> , 2013, 50, 413-426.	5.1	46
45	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.	2.3	46
46	Designing Post COVID-19 Buildings: Approaches for Achieving Healthy Buildings. <i>Buildings</i> , 2022, 12, 74.	3.1	46
47	Improving performance of additive manufactured (3D printed) concrete: A review on material mix design, processing, interlayer bonding, and reinforcing methods. <i>Structures</i> , 2021, 29, 1597-1609.	3.6	45
48	Behaviour of Multi-Storey Prefabricated Modular Buildings under seismic loads. <i>Earthquake and Structures</i> , 2016, 11, 1061-1076.	1.0	45
49	Computational simulation of the early stage of bone healing under different configurations of locking compression plates. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 900-913.	1.6	44
50	Axial performance of hollow concrete columns reinforced with GFRP composite bars with different reinforcement ratios. <i>Composite Structures</i> , 2019, 213, 153-164.	5.8	44
51	Nano-CSH modified high volume fly ash concrete: Early-age properties and environmental impact analysis. <i>Journal of Cleaner Production</i> , 2021, 286, 124924.	9.3	44
52	Influence of fracture geometry on bone healing under locking plate fixations: A comparison between oblique and transverse tibial fractures. <i>Medical Engineering and Physics</i> , 2016, 38, 1100-1108.	1.7	43
53	Fire performance of prefabricated modular units using organoclay/glass fibre reinforced polymer composite. <i>Construction and Building Materials</i> , 2016, 129, 204-215.	7.2	43
54	The relationship between interfragmentary movement and cell differentiation in early fracture healing under locking plate fixation. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2016, 39, 123-133.	1.3	43

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55	Role of Dynamic Loading on Early Stage of Bone Fracture Healing. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1768-1784.	2.5	41
56	Time-Efficient Post-Disaster Housing Reconstruction with Prefabricated Modular Structures. <i>Open House International</i> , 2014, 39, 59-69.	1.1	40
57	Influences of clay and manufacturing on fire resistance of organoclay/thermoset nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 74, 26-37.	7.6	39
58	Effect of Spiral Spacing and Concrete Strength on Behavior of GFRP-Reinforced Hollow Concrete Columns. <i>Journal of Composites for Construction</i> , 2020, 24, .	3.2	39
59	Optimising the computational domain size in CFD simulations of tall buildings. <i>Heliyon</i> , 2021, 7, e06723.	3.2	39
60	Elastic-Plastic-Softening Analysis of Plane Frames. <i>Journal of Structural Engineering</i> , 1985, 111, 871-888.	3.4	38
61	Role of chemical and mechanical stimuli in mediating bone fracture healing. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 706-710.	1.9	38
62	Detecting structural damage to bridge girders using radar interferometry and computational modelling. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1985.	4.0	38
63	Estimating early-age in situ strength development of concrete slabs. <i>Construction and Building Materials</i> , 2012, 29, 659-666.	7.2	37
64	Examination of alkali-activated material nanostructure during thermal treatment. <i>Journal of Materials Science</i> , 2018, 53, 9486-9503.	3.7	37
65	Effect of fire-retardant ceram powder on the properties of phenolic-based GFRP composites. <i>Composites Part B: Engineering</i> , 2018, 155, 414-424.	12.0	37
66	Creep properties of cement and alkali activated fly ash materials using nanoindentation technique. <i>Construction and Building Materials</i> , 2018, 168, 547-555.	7.2	35
67	Bone fracture healing under Ilizarov fixator: Influence of fixator configuration, fracture geometry, and loading. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2019, 35, e3199.	2.1	34
68	The influence of ambient environmental conditions in detecting bridge concrete deck delamination using infrared thermography (IRT). <i>Structural Control and Health Monitoring</i> , 2020, 27, e2506.	4.0	34
69	Microstructural study of environmentally friendly boroaluminosilicate geopolymers. <i>Journal of Cleaner Production</i> , 2018, 189, 805-812.	9.3	33
70	Stress-strain relationship for very-high strength concrete (>100 MPa) confined by lateral reinforcement. <i>Engineering Structures</i> , 2018, 177, 795-808.	5.3	33
71	Interior wide beam connections subjected to lateral earthquake loading. <i>Engineering Structures</i> , 2003, 25, 281-291.	5.3	32
72	Design of high-strength concrete members: state-of-the-art. <i>Structural Control and Health Monitoring</i> , 2003, 5, 1-15.	0.7	32

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73	Performance of lightweight hemp concrete with alkali-activated cenosphere binders exposed to elevated temperature. <i>Construction and Building Materials</i> , 2019, 224, 158-172.	7.2	32
74	Monitoring the Dynamic Behavior of The Merlynston Creek Bridge Using Interferometric Radar Sensors and Finite Element Modeling. <i>International Journal of Applied Mechanics</i> , 2017, 09, 1750003.	2.2	30
75	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.	7.2	30
76	An Assessment of the Effectiveness of Tree-Based Models for Multi-Variate Flood Damage Assessment in Australia. <i>Water (Switzerland)</i> , 2016, 8, 282.	2.7	29
77	Thermal performance of calcium-rich alkali-activated materials: A microstructural and mechanical study. <i>Construction and Building Materials</i> , 2017, 153, 225-237.	7.2	29
78	Dependency Structure Matrix and Hierarchical Clustering based algorithm for optimum module identification in MEP systems. <i>Automation in Construction</i> , 2019, 104, 153-178.	9.8	28
79	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.	10.1	27
80	Development of cross laminated timber-cold-formed steel composite beam for floor system to sustainable modular building construction. <i>Structures</i> , 2021, 32, 681-690.	3.6	27
81	Behavior of FRP-RC Slabs under Multiple Independent Air Blasts. <i>Journal of Performance of Constructed Facilities</i> , 2011, 25, 433-440.	2.0	26
82	Effects of dynamic loading on fracture healing under different locking compression plate configurations: A finite element study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 94, 74-85.	3.1	25
83	Fire resistance of a prefabricated bushfire bunker using aerated concrete panels. <i>Construction and Building Materials</i> , 2018, 174, 410-420.	7.2	24
84	Shear Behavior of Geopolymer Concrete Beams Reinforced with GFRP Bars. <i>ACI Structural Journal</i> , 2017, 114, .	0.2	24
85	Microstructure and strength development of quaternary blend high-volume fly ash concrete. <i>Journal of Materials Science</i> , 2020, 55, 6441-6456.	3.7	23
86	Prefabricated Building Systems” Design and Construction. <i>Encyclopedia</i> , 2022, 2, 70-95.	4.5	23
87	A Rate Dependent Stress-Strain Relationship Model for Normal, High and Ultra-High Strength Concrete. <i>International Journal of Protective Structures</i> , 2013, 4, 451-466.	2.3	22
88	The Failure Behaviour of Reinforced Concrete Panels Under Far-field and Near-field Blast Effects. <i>Structures</i> , 2018, 14, 220-229.	3.6	22
89	Ductility Design of Reinforced Very-High Strength Concrete Columns (100–150MPa) Using Curvature and Energy-Based Ductility Indices. <i>International Journal of Concrete Structures and Materials</i> , 2019, 13, .	3.2	22
90	The Effects of Dynamic Loading on Bone Fracture Healing Under Ilizarov Circular Fixators. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	1.3	22

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91	Practical countermeasures for the aerodynamic performance of long-span cable-stayed bridges with open decks. <i>Wind and Structures, an International Journal</i> , 2015, 21, 223-239.	0.8	22
92	Transforming Municipal Solid Waste into Construction Materials. <i>Sustainability</i> , 2019, 11, 2661.	3.2	21
93	An Investigation of Nanomechanical Properties of Materials using Nanoindentation and Artificial Neural Network. <i>Scientific Reports</i> , 2019, 9, 13189.	3.3	20
94	Structural applications of synthetic fibre reinforced cementitious composites: A review on material properties, fire behaviour, durability and structural performance. <i>Structures</i> , 2021, 34, 550-574.	3.6	20
95	Performance of reinforced concrete frames using force and displacement based seismic assessment methods. <i>Engineering Structures</i> , 2000, 22, 352-363.	5.3	19
96	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.	3.1	18
97	Structural performance of FCS wall subjected to axial load. <i>Construction and Building Materials</i> , 2017, 134, 185-198.	7.2	18
98	Instability Analysis of Normal- and High-Strength Reinforced-Concrete Walls. <i>Journal of Structural Engineering</i> , 1997, 123, 680-684.	3.4	17
99	Dynamic response of double skin façades under blast loads. <i>Engineering Structures</i> , 2016, 123, 155-165.	5.3	17
100	The effects of precursors on rheology and self-compactness of geopolymer concrete. <i>Magazine of Concrete Research</i> , 2019, 71, 557-566.	2.0	17
101	Simulating reactive soil and substructure interaction using a simplified hydro-mechanical finite element model dependent on soil saturation, suction and moisture-swelling relationship. <i>Computers and Geotechnics</i> , 2020, 119, 103359.	4.7	17
102	Impact of atmospheric boundary layer inhomogeneity in CFD simulations of tall buildings. <i>Heliyon</i> , 2020, 6, e04274.	3.2	17
103	Finite Element Simulation of FRP Strengthened Reinforced Concrete Slabs under Two Independent Air Blasts. <i>International Journal of Protective Structures</i> , 2010, 1, 469-488.	2.3	16
104	Effect of Textile Architecture on Energy Absorption of Woven Fabrics Subjected to Ballistic Impact. <i>Applied Mechanics and Materials</i> , 0, 553, 757-762.	0.2	16
105	Net incremental indirect external benefit of manufacturing recycled aggregate concrete. <i>Waste Management</i> , 2018, 78, 279-291.	7.4	16
106	Strength Development and Thermogravimetric Investigation of High-Volume Fly Ash Binders. <i>Materials</i> , 2019, 12, 3344.	2.9	16
107	Comparison of optimal oriented façade integrated solar cooling systems in Australian climate zones. <i>Solar Energy</i> , 2020, 198, 385-398.	6.1	16
108	Engineering Performance of Concrete Incorporated with Recycled High-Density Polyethylene (HDPE) – A Systematic Review. <i>Polymers</i> , 2021, 13, 1885.	4.5	16

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109	Comparison Between Two Models for Interactions Between Electric and Magnetic Fields and Proteins in Cell Membranes. <i>Environmental Engineering Science</i> , 2009, 26, 1473-1480.	1.6	15
110	Multi-scale analysis on thermal properties of cement-based materials containing micro-encapsulated phase change materials. <i>Construction and Building Materials</i> , 2020, 254, 119221.	7.2	15
111	Structural behaviour of prefabricated load bearing braced composite timber wall system. <i>Engineering Structures</i> , 2018, 176, 555-568.	5.3	14
112	The Potential Use of Hypochlorous Acid and a Smart Prefabricated Sanitising Chamber to Reduce Occupation-Related COVID-19 Exposure. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 247-252.	2.5	14
113	Prefabrication of substructures for single-detached dwellings on reactive soils: a review of existing systems and design challenges. <i>Australian Journal of Civil Engineering</i> , 2019, 17, 120-133.	1.6	13
114	The effects of surfactants on properties of lightweight concrete foam. <i>Magazine of Concrete Research</i> , 2020, 72, 163-172.	2.0	13
115	Aggregate Geometry Generation Method Using a Structured Light 3D Scanner, Spherical Harmonics-Based Geometry Reconstruction, and Placing Algorithms for Mesoscale Modeling of Concrete. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	13
116	Aggregate-Dependent Approach to Formulate and Predict Properties of High-Strength and Very-High-Strength Concrete. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	13
117	Influence of ambient temperature on early age concrete behaviour of anchorage zones. <i>Construction and Building Materials</i> , 2014, 53, 1-12.	7.2	12
118	Design and Development of Weatherproof Seals for Prefabricated Construction: A Methodological Approach. <i>Buildings</i> , 2018, 8, 117.	3.1	12
119	Nanomechanical properties of thermal arc sprayed coating using continuous stiffness measurement and artificial neural network. <i>Surface and Coatings Technology</i> , 2019, 366, 266-276.	4.8	12
120	Development limitations of compressive arch and catenary actions in reinforced concrete special moment resisting frames under column-loss scenarios. <i>Structure and Infrastructure Engineering</i> , 2020, 16, 1616-1634.	3.7	12
121	Load Testing to Collapse Limit State of Barr Creek Bridge. <i>Transportation Research Record</i> , 2000, 1696, 92-102.	1.9	12
122	Experiences of Deploying an Indoor Building Sensor Network. , 2009, , .		11
123	Thermal Stresses of Concrete at Early Ages. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	2.9	11
124	Effects of cyclic loading on the long-term deflection of prestressed concrete beams. <i>Computers and Concrete</i> , 2013, 12, 739-754.	0.7	11
125	The Effects of Flexible Fixation on Early Stage Bone Fracture Healing. <i>International Journal of Aerospace and Lightweight Structures (IJALS)</i> , 2013, 3, 181.	0.1	11
126	Effect of wind speed and direction on facade fire spread in an isolated rectangular building. <i>Fire Safety Journal</i> , 2022, 129, 103570.	3.1	11

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127	Monitoring the Dynamic Behaviour of Concrete Bridges Using Non-Contact Sensors (IBIS-S). Applied Mechanics and Materials, 0, 846, 225-230.	0.2	10
128	Structural performance of recycled aggregate in CSP slab subjected to flexure load. Construction and Building Materials, 2016, 115, 669-680.	7.2	10
129	The role of impairment of mesenchymal stem cell function in osteoporotic bone fracture healing. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 603-610.	1.3	10
130	Manufacturing, Modeling, Implementation and Evaluation of a Weatherproof Seal for Prefabricated Construction. Buildings, 2018, 8, 120.	3.1	10
131	Relationship between reactive soil movement and footing deflection: A coupled hydro-mechanical finite element modelling perspective. Computers and Geotechnics, 2020, 126, 103720.	4.7	10
132	Large-scale experiment on the behaviour of concrete flat slabs subjected to standard fire. Journal of Building Engineering, 2020, 30, 101255.	3.4	10
133	Residual stress-strain relationship for the biochar-based mortar after exposure to elevated temperature. Case Studies in Construction Materials, 2021, 14, e00540.	1.7	10
134	Computational Simulation of Mechanical Microenvironment of Early Stage of Bone Healing under Locking Compression Plate with Dynamic Locking Screws. Applied Mechanics and Materials, 2014, 553, 281-286.	0.2	9
135	Novel modelling approach for evacuation strategies of tall towers - A case study of Lotus Tower. Journal of Building Engineering, 2019, 25, 100763.	3.4	9
136	A review and comparison of design methods for raft substructures on expansive soils. Journal of Building Engineering, 2021, 41, 102737.	3.4	9
137	Optimal time-dependent levels of weight-bearing for bone fracture healing under Ilizarov circular fixators. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 121, 104611.	3.1	9
138	Airborne and impact sound performance of modern lightweight timber buildings in the Australian construction industry. Case Studies in Construction Materials, 2021, 15, e00632.	1.7	9
139	Modelling the dynamic response and failure modes of reinforced concrete structures subjected to blast and impact loading. Structural Engineering and Mechanics, 2009, 32, 269-282.	1.0	9
140	Applicability of Current ACI318 Wall Design Formula for High Strength Concrete Walls. Advances in Structural Engineering, 1999, 2, 103-108.	2.4	8
141	Progressive Collapse Analysis of RC Frames Subjected to Blast Loading. Australian Journal of Structural Engineering, 2006, 7, 47-55.	1.1	8
142	Numerical simulation of structural responses to a far-field explosion. Australian Journal of Structural Engineering, 2015, 16, 226-236.	1.1	8
143	Quantification of the Blast-Loading Parameters of Large-Scale Explosions. Journal of Structural Engineering, 2015, 141, .	3.4	8
144	Shear Strengthening and Shear Repair of 2-Span Continuous RC Beams with CFRP Strips. Journal of Composites for Construction, 2017, 21, .	3.2	8

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145	Determining dynamic characteristics of high rise buildings using interferometric radar system. Engineering Structures, 2018, 164, 230-242.	5.3	8
146	The Role of Locking Plate Stiffness in Bone Fracture Healing Stabilized by Far Cortical Locking Technique. International Journal of Computational Methods, 2018, 15, 1850024.	1.3	8
147	Novel energy-based rational for nominal ductility design of very-high strength concrete columns (>100â€MPa). Engineering Structures, 2019, 198, 109497.	5.3	8
148	Effect of roof to wall connection stiffness variations on the load sharing and hold-down forces of Australian timber-framed houses. Structures, 2020, 27, 141-150.	3.6	8
149	Bond Strength of Reinforcement in High-Strength Concrete. Advances in Structural Engineering, 2000, 3, 245-253.	2.4	7
150	Warping analysis of concrete cores. Structural Design of Tall Buildings, 2001, 10, 43-52.	0.3	7
151	Comparative assessment of the benefits associated with the absorption of CO 2 with the use of RCA in structural concrete. Journal of Cleaner Production, 2017, 158, 285-295.	9.3	7
152	Performance of high-strength concrete walls exposed to fire. Advances in Structural Engineering, 2018, 21, 1173-1182.	2.4	7
153	Flexural Capacity Prediction Model For Steel Fibre-Reinforced Concrete Beams. International Journal of Concrete Structures and Materials, 2021, 15, .	3.2	7
154	Structural Health Monitoring of Bridges Using Advanced Non-destructive Testing Technique. Lecture Notes in Civil Engineering, 2020, , 963-972.	0.4	7
155	A new perspective on representative parameters for cellular concrete. Magazine of Concrete Research, 2008, 60, 79-83.	2.0	6
156	On the Compression Behavior of an Austenitic Feâ€18<sc>M</sc>nâ€0.6<sc>C</sc>â€1.5<sc>A</sc>l Twinningâ€I</sc>duced Plasticity Steel. Steel Research International, 2013, 84, 1281-1287.	1.8	6
157	Assessment of a Pedestrian Bridge Dynamics Using Interferometric Radar System IBIS-FS. Procedia Engineering, 2017, 188, 33-40.	1.2	6
158	Structural behaviour of prefabricated stressed-skin engineered timber composite flooring systems. Structures, 2019, 22, 230-244.	3.6	6
159	Use of fluid structure interaction technique for flash flood impact assessment of structural components. Journal of Flood Risk Management, 2020, 13, e12581.	3.3	6
160	Relationship of Stiffness-Based Indentation Properties Using Continuous-Stiffness-Measurement Method. Materials, 2020, 13, 97.	2.9	6
161	Influence of Building Shape on Wind-Driven Rain Exposure in Tall Buildings. Journal of Architectural Engineering, 2021, 27, 04021027.	1.6	6
162	Microstructural Investigation of High-Volume Fly Ash Composites Containing Nano-Calcium Silicate Hydrate Crystals. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	6

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163	Assessment of shear strength of reinforced concrete beams without shear reinforcement: A comparative study between codes of practice and artificial neural network. <i>Case Studies in Construction Materials</i> , 2022, 16, e01102.	1.7	6
164	Use of Coupled Smooth-Particle Hydrodynamics/Lagrangian Method in the Simulation of Deformable Projectile Penetration. <i>International Journal of Protective Structures</i> , 2015, 6, 419-437.	2.3	5
165	Failure modes and buckling coefficient of partially stiffened cold-formed sections in bending. <i>Journal of Constructional Steel Research</i> , 2015, 111, 21-30.	3.9	5
166	Effect of Large Negative Phase of Blast Loading on Structural Response of RC Elements. <i>MATEC Web of Conferences</i> , 2016, 47, 02015.	0.2	5
167	A probabilistic study of ground motion simulation for Bangkok soil. <i>Bulletin of Earthquake Engineering</i> , 2017, 15, 1925-1943.	4.1	5
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