Yan Zhuge

List of Publications by Year
in descending order

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151	4,391	117619	133244
papers	citations	34	59
		h-index	g-index

154	154	154	2700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The relationship between porosity and strength for porous concrete. Construction and Building Materials, 2011, 25, 4294-4298.	7.2	453
2	A comprehensive review on the mechanical properties of waste tire rubber concrete. Construction and Building Materials, 2020, 237, 117651.	7.2	233
3	Recycling of landfill wastes (tyres, plastics and glass) in construction â€“ A review on global waste generation, performance, application and future opportunities. Resources, Conservation and Recycling, 2021, 173, 105745.	10.8	216
4	Optimum mix design of enhanced permeable concrete â€“ An experimental investigation. Construction and Building Materials, 2010, 24, 2664-2671.	7.2	205
5	A review of optimization techniques used in the design of fibre composite structures for civil engineering applications. Materials & Design, 2012, 33, 534-544.	5.1	143
6	DYNAMIC ANALYSIS OF BEAMS ON AN ELASTIC FOUNDATION SUBJECTED TO MOVING LOADS. Journal of Sound and Vibration, 1996, 198, 149-169.	3.9	135
7	Compressive stress strain behavior of crumb rubber concrete (CRC) and application in reinforced CRC slab. Construction and Building Materials, 2018, 166, 745-759.	7.2	110
8	Optimal design for epoxy polymer concrete based on mechanical properties and durability aspects. Construction and Building Materials, 2020, 232, 117229.	7.2	92
9	Novel approach to improve crumb rubber concrete strength using thermal treatment. Construction and Building Materials, 2019, 229, 116901.	7.2	77
10	Development of Crumb Rubber Concrete for Practical Application in the Residential Construction Sector â€“ Design and Processing. Construction and Building Materials, 2020, 260, 119813.	7.2	74
11	Use of hollow glass microspheres and hybrid fibres to improve the mechanical properties of engineered cementitious composite. Construction and Building Materials, 2018, 171, 858-870.	7.2	70
12	Influence of Mixing Procedures, Rubber Treatment, and Fibre Additives on Rubcrete Performance. Journal of Composites Science, 2019, 3, 41.	3.0	70
13	Free vibration analysis of beams on elastic foundation. Computers and Structures, 1996, 60, 971-980.	4.4	68
14	Using textile reinforced engineered cementitious composite for concrete columns confinement. Composite Structures, 2019, 210, 695-706.	5.8	66
15	Utilization of drinking water treatment sludge in concrete paving blocks: Microstructural analysis, durability and leaching properties. Journal of Environmental Management, 2020, 262, 110352.	7.8	59
16	Experimental investigation of textile reinforced engineered cementitious composite (ECC) for square concrete column confinement. Construction and Building Materials, 2018, 174, 594-602.	7.2	56
17	Bond behavior between GFRP bars and seawater sea-sand fiber-reinforced ultra-high strength concrete. Engineering Structures, 2022, 254, 113787.	5.3	54
18	Numerical and comparative study of earthquake intensity indices in seismic analysis. Structural Design of Tall and Special Buildings, 2013, 22, 362-381.	1.9	53

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19	Properties and microstructure of concrete blocks incorporating drinking water treatment sludge exposed to early-age carbonation curing. Journal of Cleaner Production, 2020, 261, 121257.	9.3	52
20	Sorptivity and mechanical properties of fiber-reinforced concrete made with seawater and dredged sea-sand. Construction and Building Materials, 2021, 270, 121436.	7.2	50
21	Cyclooxygenases expression and distribution in the normal ovary and their role in ovarian cancer in the domestic hen (Gallus domesticus). Endocrine, 2008, 33, 235-244.	2.3	47
22	Three-dimensional finite element modeling and theoretical analysis of concrete confined with FRP rings. Engineering Structures, 2021, 234, 111966.	5.3	45
23	Decreased severity of ovarian cancer and increased survival in hens fed a flaxseed-enriched diet for 1 year. Gynecologic Oncology, 2010, 117, 341-347.	1.4	43
24	Modelling of steel lattice tower angle legs reinforced for increased load capacity. Engineering Structures, 2012, 43, 160-168.	5.3	42
25	Recycling drinking water treatment sludge into eco-concrete blocks with CO2 curing: Durability and leachability. Science of the Total Environment, 2020, 746, 141182.	8.0	42
26	Experimental and numerical evaluations on the behaviour of structures repaired using prefabricated FRP composites jacket. Engineering Structures, 2020, 210, 110358.	5.3	42
27	Influence of rubber particles on the properties of foam concrete. Journal of Building Engineering, 2020, 30, 101217.	3.4	41
28	Strength and drift capacity of squat recycled concrete shear walls under cyclic loading. Engineering Structures, 2015, 100, 356-368.	5.3	39
29	Experimental study on multi-panel retrofitted steel transmission towers. Journal of Constructional Steel Research, 2012, 78, 58-67.	3.9	38
30	Nonlinear Dynamic Analysis of Unreinforced Masonry. Journal of Structural Engineering, 1998, 124, 270-277.	3.4	37
31	Practical Rubber Pre-Treatment Approch for Concrete Useâ€”An Experimental Study. Journal of Composites Science, 2021, 5, 143.	3.0	37
32	One-step random-walk process of nanoparticles in cement-based materials. Journal of Central South University, 2021, 28, 1679-1691.	3.0	37
33	The potential use of drinking water sludge ash as supplementary cementitious material in the manufacture of concrete blocks. Resources, Conservation and Recycling, 2021, 168, 105291.	10.8	36
34	ECCs/UHPFRCCs with and without FRP reinforcement for structural strengthening/repairing: A state-of-the-art review. Construction and Building Materials, 2022, 316, 125824.	7.2	36
35	Compressive and transverse shear behaviour of novel FRP-UHPC hybrid bars. Composite Structures, 2022, 281, 115001.	5.8	36
36	Microstructural behaviour and shrinkage properties of high-strength fiber-reinforced seawater sea-sand concrete. Construction and Building Materials, 2022, 320, 126222.	7.2	36

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37	Axial Compression Behaviour of Hybrid Double-Skin Tubular Columns Filled with Rubcrete. Journal of Composites Science, 2019, 3, 62.	3.0	35
38	Experimental Investigation of Basalt Textile Reinforced Engineered Cementitious Composite under Apparent Hoop Tensile Loading. Journal of Building Engineering, 2019, 23, 270-279.	3.4	35
39	Application of rubberized cement-based composites in pavements: Suitability and considerations. Construction and Building Materials, 2019, 223, 1182-1195.	7.2	34
40	Dynamic performance of rubberised concrete and its structural applications â€“ An overview. Engineering Structures, 2021, 234, 111990.	5.3	34
41	Novel ultra-high-performance concrete composite plates reinforced with FRP grid: Development and mechanical behaviour. Composite Structures, 2021, 269, 114033.	5.8	34
42	Cementitious composites containing alum sludge ash: An investigation of microstructural features by an advanced nanoindentation technology. Construction and Building Materials, 2021, 299, 124286.	7.2	33
43	CYP1B1 expression in ovarian cancer in the laying hen Gallusdomesticus. Gynecologic Oncology, 2009, 112, 171-178.	1.4	32
44	FRP-Retrofitted URM Walls under In-Plane Shear: Review and Assessment of Available Models. Journal of Composites for Construction, 2010, 14, 743-753.	3.2	32
45	Structural performance of composite panels made of profiled steel skins and foam rubberised concrete under axial compressive loads. Engineering Structures, 2020, 211, 110448.	5.3	32
46	Evaluation of concrete performance with different types of recycled plastic waste for kerb application. Construction and Building Materials, 2021, 293, 123477.	7.2	32
47	Large-rupture-strain (LRS) FRP-confined concrete in square stub columns: Effects of specimen size and assessments of existing models. Construction and Building Materials, 2022, 326, 126869.	7.2	32
48	Compressive behaviour of concrete column confined with basalt textile reinforced ECC. Engineering Structures, 2021, 243, 112651.	5.3	31
49	Bending behaviour of precast concrete slab with externally flanged hollow FRP tubes. Engineering Structures, 2021, 241, 112433.	5.3	30
50	Experimental study on spatial prefabricated self-centering steel frame with beam-column connections containing bolted web friction devices. Engineering Structures, 2019, 195, 1-21.	5.3	28
51	State-of-the-art of prefabricated FRP composite jackets for structural repair. Engineering Science and Technology, an International Journal, 2020, 23, 1244-1258.	3.2	28
52	Prediction of residual behaviour for post-earthquake damaged reinforced concrete column based on damage distribution model. Engineering Structures, 2021, 234, 111927.	5.3	28
53	Experimental and numerical analysis of an innovative GFRP sandwich floor panel under point load. Engineering Structures, 2012, 41, 126-135.	5.3	26
54	Structural behaviour of composite panels made of profiled steel sheets and foam rubberised concrete under monotonic and cyclic shearing loads. Thin-Walled Structures, 2020, 151, 106726.	5.3	26

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55	Mechanical performance and durability of geopolymer lightweight rubber concrete. Journal of Building Engineering, 2022, 45, 103608.	3.4	26
56	Filling natural microtubules with triphenyl phosphate for flame-retarding polymer composites. Composites Part A: Applied Science and Manufacturing, 2018, 115, 247-254.	7.6	25
57	Development and behavior of novel FRP-UHPC tubular members. Engineering Structures, 2022, 266, 114540.	5.3	25
58	Behavior of Damaged Concrete Columns Repaired with Novel FRP Jacket. Journal of Composites for Construction, 2019, 23, .	3.2	24
59	Effect of alum sludge ash on the high-temperature resistance of mortar. Resources, Conservation and Recycling, 2022, 176, 105958.	10.8	24
60	Strain hardening behaviour of PE fibre reinforced calcium aluminate cement (CAC) â€“ Ground granulated blast furnace (GGBFS) blended mortar. Construction and Building Materials, 2020, 241, 118100.	7.2	22
61	Durability assessment of PEN/PET FRP composites based on accelerated aging in alkaline solution/seawater with different temperatures. Construction and Building Materials, 2022, 327, 126992.	7.2	22
62	Comparative study on the behaviour of different infill materials for pre-fabricated fibre composite repair systems. Construction and Building Materials, 2018, 172, 770-780.	7.2	20
63	Effectiveness of a novel composite jacket in repairing damaged reinforced concrete structures subject to flexural loads. Composite Structures, 2020, 233, 111634.	5.8	20
64	Push-off and Pull-out Bond Behaviour of CRC Composite Slabs â€“ An Experimental Investigation. Engineering Structures, 2021, 228, 111480.	5.3	20
65	Flaxseed enriched diet-mediated reduction in ovarian cancer severity is correlated to the reduction of prostaglandin E2 in laying hen ovaries. Prostaglandins Leukotrienes and Essential Fatty Acids, 2013, 89, 179-187.	2.2	19
66	Non-destructive prediction of strength of concrete made by lightweight recycled aggregates and nickel slag. Journal of Building Engineering, 2021, 33, 101614.	3.4	19
67	Reuse of drinking water treatment sludge in mortar as substitutions of both fly ash and sand based on two treatment methods. Construction and Building Materials, 2021, 277, 122330.	7.2	19
68	Structural performance of novel thin-walled composite cold-formed steel/PE-ECC beams. Thin-Walled Structures, 2021, 162, 107586.	5.3	19
69	Finite Element Analysis of Track Structures. Computer-Aided Civil and Infrastructure Engineering, 2008, 8, 467-476.	9.8	18
70	Numerical simulation of the mechanical behaviour of porous concrete. Engineering Computations, 2011, 28, 984-1002.	1.4	18
71	Cement nanocomposites containing montmorillonite nanosheets modified with surfactants of various chain lengths. Cement and Concrete Composites, 2021, 116, 103894.	10.7	18
72	Axisymmetric free vibration analysis of conical shells. Engineering Structures, 1993, 15, 83-89.	5.3	17

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73	Properties of mortar incorporating untreated and treated drinking water treatment sludge. Construction and Building Materials, 2021, 280, 122558.	7.2	17
74	Geometrically modified auxetic polyurethane foams and their potential application in impact mitigation of masonry structures. Construction and Building Materials, 2021, 311, 125170.	7.2	17
75	A ternary blended binder incorporating alum sludge to efficiently resist alkali-silica reaction of recycled glass aggregates. Journal of Cleaner Production, 2022, 349, 131415.	9.3	17
76	Bond behaviour of steel-reinforcing bars in Crumb Rubber Concrete (CRC). Australian Journal of Civil Engineering, 2020, 18, 2-17.	1.6	16
77	Review of the Performance of High-Strength Rubberized Concrete and Its Potential Structural Applications. Advances in Civil Engineering Materials, 2016, 5, 20150026.	0.6	16
78	Cyclic Performance of Steelâ€“Concreteâ€“Steel Sandwich Beams with Rubcrete and LECA Concrete Core. Journal of Composites Science, 2019, 3, 5.	3.0	15
79	Seismic behavior of FRP-concrete-steel double skin tubular columns with a rib-stiffened Q690 steel tube and high-strength concrete. Thin-Walled Structures, 2022, 175, 109127.	5.3	15
80	Durable cement/cellulose nanofiber composites prepared by a facile approach. Cement and Concrete Composites, 2022, 125, 104321.	10.7	14
81	Investigation of the free vibration behaviour of an innovative GFRP sandwich floor panel. Construction and Building Materials, 2012, 37, 209-219.	7.2	12
82	Highly sensitive and flexible capacitive elastomeric sensors for compressive strain measurements. Materials Today Communications, 2021, 26, 102023.	1.9	12
83	Stress-Strain Behaviour and Mechanical Strengths of Concrete Incorporating Mixed Recycled Plastics. Journal of Composites Science, 2021, 5, 146.	3.0	12
84	Cross-laminated timberâ€“concrete composite structural floor system: A state-of-the-art review. Engineering Failure Analysis, 2021, 130, 105766.	4.0	12
85	Composite walls Composed of profiled steel skin and foam rubberized concrete subjected to eccentric compressions. Journal of Building Engineering, 2022, 46, 103715.	3.4	12
86	Utilization of Drinking Water Treatment Sludge as Cement Replacement to Mitigate Alkaliâ€“Silica Reaction in Cement Composites. Journal of Composites Science, 2020, 4, 171.	3.0	11
87	Durability of Fibre-Reinforced Calcium Aluminate Cement (CAC)â€“Ground Granulated Blast Furnace Slag (GGBFS) Blended Mortar after Sulfuric Acid Attack. Materials, 2020, 13, 3822.	2.9	11
88	Experimental study on crumb rubberised concrete (CRC) and reinforced CRC slabs under static and impact loads. Australian Journal of Structural Engineering, 2020, 21, 294-306.	1.1	11
89	Practical Application of Crumb Rubber Concrete in Residential Slabs. Structures, 2022, 36, 837-853.	3.6	11
90	Geometry and restraint effects on the bending behaviour of the glass fibre reinforced polymer sandwich slabs under point load. Materials & Design, 2013, 45, 125-134.	5.1	10

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91	Creep and drying shrinkage behaviour of crumb rubber concrete (CRC). Australian Journal of Civil Engineering, 2020, 18, 187-204.	1.6	10
92	Performance of crumb rubber concrete composite-deck slabs in 4-point-bending. Journal of Building Engineering, 2021, 40, 102695.	3.4	10
93	Bending and Shear Behaviour of Waste Rubber Concrete-Filled FRP Tubes with External Flanges. Polymers, 2021, 13, 2500.	4.5	9
94	Microstructural and mechanical properties of fiber-reinforced seawater sea-sand concrete under elevated temperatures. Journal of Building Engineering, 2022, 50, 104140.	3.4	9
95	The Effects of Soils from Different Forest Types on the Growth of the Invasive Plant Phytolacca americana. Forests, 2019, 10, 492.	2.1	8
96	Shear behaviour of hollow precast concrete-composite structures. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	3.1	8
97	Modelling Pervious Concrete under Compression Loading â€“ a Discrete Element Approach. Advanced Materials Research, 0, 168-170, 1590-1600.	0.3	7
98	Buckling Analysis of Laminated Composite Plate on Tensionless Elastic Foundations Under Uniaxial Compression. International Journal of Structural Stability and Dynamics, 2018, 18, 1850079.	2.4	7
99	Assessing vibration induced damage in unreinforced masonry walls subject to vehicular impact â€“ A numerical study. Engineering Structures, 2021, 245, 112843.	5.3	7
100	Flexural behaviour of hybrid sandwich panel with natural fiber composites as the intermediate layer. Journal of Mechanical Engineering and Sciences, 2016, 10, 1968-1983.	0.6	7
101	Shaking-table tests on seismic behavior of subway station intersecting the ground fissure. Soil Dynamics and Earthquake Engineering, 2022, 158, 107272.	3.8	7
102	Connections in GFRP reinforced precast concrete frames. Composite Structures, 2021, 276, 114540.	5.8	6
103	Bond behaviour between crumb rubberized concrete and deformed steel bars. Structures, 2021, 34, 2115-2133.	3.6	6
104	Microwave radiation treatment to improve the strength of recycled plastic aggregate concrete. Case Studies in Construction Materials, 2021, 15, e00728.	1.7	6
105	Recent progress in buckling restrained braces: A review on material development and selection. Advances in Structural Engineering, 2022, 25, 1549-1564.	2.4	6
106	Fracture Toughness and Impact Resistance of Fiber-Reinforced Seawater Sea-Sand Concrete. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	6
107	Bond performance of FRP bars in plain and fiber-reinforced geopolymer under pull-out loading. Journal of Building Engineering, 2022, 57, 104893.	3.4	6
108	Local buckling of profiled skin sheets resting on tensionless elastic foundations under uniaxial compression. Thin-Walled Structures, 2016, 103, 81-89.	5.3	5

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109	Shaking table tests of RC frame structure across the earth fissure under earthquake. Structural Design of Tall and Special Buildings, 2018, 27, e1496.	1.9	5
110	Unilateral contact buckling behaviour of orthotropic plates subjected to combined in-plane shear and bending. International Journal of Solids and Structures, 2018, 150, 135-153.	2.7	5
111	Shaking table tests on braced reinforced concrete frame structure across the earth fissure under earthquake. Structural Design of Tall and Special Buildings, 2019, 28, e1559.	1.9	5
112	Case Study of the Structural Performance of Composite Slabs with Low Strength CRC Delivered by Concrete Truck. Case Studies in Construction Materials, 2020, 13, e00453.	1.7	5
113	Impact Resistance and Sodium Sulphate Attack Testing of Concrete Incorporating Mixed Types of Recycled Plastic Waste. Sustainability, 2021, 13, 9521.	3.2	5
114	Axial behaviour of precast concrete panels with hollow composite reinforcing systems. Structures, 2021, 32, 76-86.	3.6	5
115	Significance Analysis of Flexural Behaviour of Hybrid Sandwich Panels. Open Journal of Civil Engineering, 2013, 03, 1-7.	0.5	5
116	Behavior of GFRP-RC columns under axial compression: Assessment of existing models and a new axial load-strain model. Journal of Building Engineering, 2022, 47, 103782.	3.4	5
117	Recent advances in auxetics: Applications in cementitious composites. International Journal of Protective Structures, 2022, 13, 295-316.	2.3	5
118	Experimental study on the structural performance of full-scale tyre wall for residential housing applications. Engineering Structures, 2022, 259, 114181.	5.3	5
119	Flexural Strength of Sandwich Panel with Lignocellulosic Composites Intermediate Layer â€“ A Statistic Approach. International Journal of Protective Structures, 2011, 2, 453-464.	2.3	4
120	Local buckling of profiled skin sheets resting on tensionless elastic foundations under in-plane shear loading. European Journal of Mechanics, A/Solids, 2016, 58, 131-139.	3.7	4
121	A Review of Current Design and Construction Practice for Road Kerbs and a Sustainability Analysis. Sustainability, 2022, 14, 1230.	3.2	4
122	Physical and mechanical properties of expanded vermiculite (EV) embedded foam concrete subjected to elevated temperatures. Case Studies in Construction Materials, 2022, 16, e01038.	1.7	4
123	Retrofitting of damaged reinforced concrete pipe with CAC-GGBFS blended strain hardening cementitious composite (SHCC). Thin-Walled Structures, 2022, 176, 109351.	5.3	4
124	Distinct element modelling of unreinforced masonry wall under seismic loads with and without cable retrofitting. Transactions of Tianjin University, 2008, 14, 471-475.	6.4	3
125	The Implementation of Statistical Inference to Study the Bending Strength of Sustainable Hybrid Sandwich Panel Composite. Advanced Materials Research, 2011, 250-253, 956-961.	0.3	3
126	Local buckling of thin plate on tensionless elastic foundations under interactive uniaxial compression and shear. Theoretical and Applied Mechanics Letters, 2018, 8, 75-82.	2.8	3

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127	Experimental and Theoretical Deflections of Hybrid Composite Sandwich Panel under Four-point Bending Load. Civil Engineering Dimension, 2017, 19, .	0.3	3
128	Compressive behaviour and environmental evaluation of sludge-derived masonry walls. Case Studies in Construction Materials, 2021, 15, e00736.	1.7	3
129	Effects of Seawater and Sea-Sand on Concrete Properties: A Review Paper. Lecture Notes in Civil Engineering, 2021, , 2037-2049.	0.4	3
130	Experimental Capacity Assessment of Cold-Formed Boxed Stud and C Stud Wall Systems Used in Australian Residential Construction. Journal of Structural Engineering, 2006, 132, 631-635.	3.4	2
131	The Structural Behavior of Hybrid Structural Insulated Panels under Pure Bending Load. International Journal of Technology, 2017, 8, 777.	0.8	2
132	Feasibility of Using the Hollow Glass Microsphere to Develop Lightweight CAC-GGBFS-Blended Strain-Hardening Cementitious Composites. Frontiers in Materials, 2021, 8, .	2.4	2
133	Evaluation of Permeability of Porous Concrete. Advanced Materials Research, 2011, 295-297, 873-879.	0.3	1
134	Investigation of Some Fundamental Properties of Permeable Concrete. Advanced Materials Research, 0, 487, 869-873.	0.3	1
135	Influencing Factors and New Developments of Fly Ash Based Geopolymer. Advanced Materials Research, 2013, 831, 62-66.	0.3	1
136	Seismic behavior of brick cave dwellings: Shake table tests. Journal of Building Engineering, 2021, 43, 102886.	3.4	1
137	Small-Scale Pull-Out Testing on Bond Behaviour of Profiled Steel Reinforced CRC Composite Slabs. Lecture Notes in Civil Engineering, 2020, , 783-792.	0.4	1
138	A mathematical model for complete stress-strain curve prediction of permeable concrete. , 2012, , 293-298.		1
139	Structural Properties of Lightweight Rubberized Concrete. Lecture Notes in Civil Engineering, 2020, , 53-60.	0.4	1
140	Fresh and Hardened Properties of Innovative Foamed-Rubberized Concrete. Lecture Notes in Civil Engineering, 2020, , 33-44.	0.4	1
141	Enhancing Mechanical Properties of Rubberised Concrete With Non-thermal Plasma Treatment. Lecture Notes in Civil Engineering, 2020, , 23-32.	0.4	1
142	The durability and rehabilitation technologies of concrete sewerage pipes: A state-of-the-art review. Journal of Asian Concrete Federation, 2021, 7, 1-16.	2.2	1
143	A REVIEW OF DEM-BASED SIMULATION OF FRESH CONCRETE FLOW. Proceedings of International Structural Engineering and Construction, 2018, 5, .	0.1	1
144	Sustainable utilization of drinking water sludge. , 2022, , 303-320.		1

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145	Innovative impact testing machine for enhancing impact related research in Australia. International Journal of Protective Structures, 2022, 13, 273-294.	2.3	1
146	A multi-objective optimization approach for supply chain design of alum sludge-derived supplementary cementitious material. Case Studies in Construction Materials, 2022, 17, e01156.	1.7	1
147	A Force Method Model for Static Analysis of Transmission Line System Subjected to in-Plane and Out-of-Plane Loadings. Advanced Materials Research, 0, 368-373, 3535-3538.	0.3	0
148	A Markov Chain Monte Carlo Technique Based Optimal Mix Design of Porous Concrete. Applied Mechanics and Materials, 0, 357-360, 959-962.	0.2	0
149	Mix Design and Mechanical Properties of Rubberized Cement Stabilized Soil (RCSS) Pavers. Lecture Notes in Civil Engineering, 2020, , 591-603.	0.4	0
150	Axial Behaviour of Damaged Concrete Columns Repaired with Novel Prefabricate FRP Jacket. Lecture Notes in Civil Engineering, 2022, , 548-559.	0.4	0
151	Durability Assessment of Pen/Pet Frp Composites Based on Accelerated Aging in Alkaline Solution/Seawater with Different Temperatures. SSRN Electronic Journal, 0, , .	0.4	0