

Gang Wu

List of Publications by Year in descending order

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271
papers

7,913
citations

50276

46
h-index

76900

74
g-index

278
all docs

278
docs citations

278
times ranked

6667
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term durability of basalt- and glass-fibre reinforced polymer (BFRP/GFRP) bars in seawater and sea sand concrete environment. <i>Construction and Building Materials</i> , 2017, 139, 467-489.	7.2	359
2	Tissue-Engineered Bone Immobilized with Human Adipose Stem Cells-Derived Exosomes Promotes Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5240-5254.	8.0	302
3	Effect of sustained load and seawater and sea sand concrete environment on durability of basalt- and glass-fibre reinforced polymer (B/GFRP) bars. <i>Corrosion Science</i> , 2018, 138, 200-218.	6.6	205
4	Durability study on interlaminar shear behaviour of basalt-, glass- and carbon-fibre reinforced polymer (B/G/CFRP) bars in seawater sea sand concrete environment. <i>Construction and Building Materials</i> , 2017, 156, 985-1004.	7.2	192
5	Prediction of Long-Term Performance and Durability of BFRP Bars under the Combined Effect of Sustained Load and Corrosive Solutions. <i>Journal of Composites for Construction</i> , 2015, 19, .	3.2	174
6	Durability of basalt fibers and composites in corrosive environments. <i>Journal of Composite Materials</i> , 2015, 49, 873-887.	2.4	148
7	Poly(Lactic-co-Glycolic Acid): Applications and Future Prospects for Periodontal Tissue Regeneration. <i>Polymers</i> , 2017, 9, 189.	4.5	141
8	Durability test on the flexural performance of seawater sea-sand concrete beams completely reinforced with FRP bars. <i>Construction and Building Materials</i> , 2018, 192, 671-682.	7.2	129
9	Bond durability of BFRP bars embedded in concrete under seawater conditions and the long-term bond strength prediction. <i>Materials and Design</i> , 2016, 92, 552-562.	7.0	128
10	A novel seawater and sea sand concrete filled FRP-carbon steel composite tube column: Concept and behaviour. <i>Composite Structures</i> , 2020, 246, 112421.	5.8	126
11	Biomaterials with Antibacterial and Osteoinductive Properties to Repair Infected Bone Defects. <i>International Journal of Molecular Sciences</i> , 2016, 17, 334.	4.1	122
12	Experimental study on the bond durability between steel-FRP composite bars (SFCBs) and sea sand concrete in ocean environment. <i>Construction and Building Materials</i> , 2016, 115, 277-284.	7.2	116
13	Biomimetic coatings for bone tissue engineering of critical-sized defects. <i>Journal of the Royal Society Interface</i> , 2010, 7, S631-47.	3.4	114
14	Mechanical Properties of Steel-FRP Composite Bar under Uniaxial and Cyclic Tensile Loads. <i>Journal of Materials in Civil Engineering</i> , 2010, 22, 1056-1066.	2.9	111
15	The physicochemical/biological properties of porous tantalum and the potential surface modification techniques to improve its clinical application in dental implantology. <i>Materials Science and Engineering C</i> , 2015, 49, 323-329.	7.3	107
16	Bond Behavior between Basalt Fiber-Reinforced Polymer Sheet and Concrete Substrate under the Coupled Effects of Freeze-Thaw Cycling and Sustained Load. <i>Journal of Composites for Construction</i> , 2013, 17, 530-542.	3.2	106
17	Experimental study on flexural behavior of concrete beams reinforced by steel-fiber reinforced polymer composite bars. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 1737-1745.	3.1	83
18	Evaluation of prestressed basalt fiber and hybrid fiber reinforced polymer tendons under marine environment. <i>Materials & Design</i> , 2014, 64, 721-728.	5.1	83

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19	Plastic Hinge Length of FRP-Confined Square RC Columns. <i>Journal of Composites for Construction</i> , 2014, 18, .	3.2	81
20	Effectiveness of basalt FRP tendons for strengthening of RC beams through the external prestressing technique. <i>Engineering Structures</i> , 2015, 101, 34-44.	5.3	81
21	Long-Term Bond Durability of Fiber-Reinforced Polymer Bars Embedded in Seawater Sea-Sand Concrete under Ocean Environments. <i>Journal of Composites for Construction</i> , 2018, 22, .	3.2	81
22	Performance of circular concrete-filled fiber-reinforced polymer-steel composite tube columns under axial compression. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 1911-1928.	3.1	80
23	Construction of Injectable Self-Healing Macroporous Hydrogels via a Template-Free Method for Tissue Engineering and Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36721-36732.	8.0	80
24	The signaling and functions of heterodimeric bone morphogenetic proteins. <i>Cytokine and Growth Factor Reviews</i> , 2012, 23, 61-67.	7.2	78
25	Injectable and <i>In Situ</i> -Formable Thiolated Chitosan-Coated Liposomal Hydrogels as Curcumin Carriers for Prevention of <i>In Vivo</i> Breast Cancer Recurrence. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17936-17948.	8.0	76
26	Behaviors of hybrid beams composed of seawater sea-sand concrete (SWSSC) and a prefabricated UHPC shell reinforced with FRP bars. <i>Construction and Building Materials</i> , 2019, 213, 32-42.	7.2	74
27	Experimental Study on the Fatigue Behavior of Steel Beams Strengthened with Different Fiber-Reinforced Composite Plates. <i>Journal of Composites for Construction</i> , 2012, 16, 127-137.	3.2	73
28	Progressive collapse performance analysis of precast reinforced concrete structures. <i>Structural Design of Tall and Special Buildings</i> , 2019, 28, e1588.	1.9	70
29	Review of beetle forewing structures and their biomimetic applications in China: (II) On the three-dimensional structure, modeling and imitation. <i>Materials Science and Engineering C</i> , 2015, 55, 620-633.	7.3	69
30	Multiclass CBCT Image Segmentation for Orthodontics with Deep Learning. <i>Journal of Dental Research</i> , 2021, 100, 002203452110053.	5.2	69
31	The effect of a slow mode of BMP-2 delivery on the inflammatory response provoked by bone-defect-filling polymeric scaffolds. <i>Biomaterials</i> , 2010, 31, 7485-7493.	11.4	67
32	Staphylococcus epidermidis originating from titanium implants infects surrounding tissue and immune cells. <i>Acta Biomaterialia</i> , 2014, 10, 5202-5212.	8.3	66
33	Experimental study on the fire resistance of RC beams strengthened with near-surface-mounted high-Tg BFRP bars. <i>Composites Part B: Engineering</i> , 2014, 60, 680-687.	12.0	65
34	The Roles of Bone Morphogenetic Proteins and Their Signaling in the Osteogenesis of Adipose-Derived Stem Cells. <i>Tissue Engineering - Part B: Reviews</i> , 2014, 20, 84-92.	4.8	64
35	Histatin1-modified thiolated chitosan hydrogels enhance wound healing by accelerating cell adhesion, migration and angiogenesis. <i>Carbohydrate Polymers</i> , 2020, 230, 115710.	10.2	64
36	RAGE-dependent mitochondria pathway: a novel target of silibinin against apoptosis of osteoblastic cells induced by advanced glycation end products. <i>Cell Death and Disease</i> , 2018, 9, 674.	6.3	53

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37	Functionalization of deproteinized bovine bone with a coating-incorporated depot of BMP-2 renders the material efficiently osteoinductive and suppresses foreign-body reactivity. <i>Bone</i> , 2011, 49, 1323-1330.	2.9	52
38	Fatigue Behavior of Cracked Steel Plates Strengthened with Different CFRP Systems and Configurations. <i>Journal of Composites for Construction</i> , 2016, 20, .	3.2	52
39	Numerical Investigation on the Progressive Collapse Behavior of Precast Reinforced Concrete Frame Subassemblages. <i>Journal of Performance of Constructed Facilities</i> , 2018, 32, .	2.0	52
40	Mechanical Properties of Steel-FRP Composite Bars (SFCBs) and Performance of SFCB Reinforced Concrete Structures. <i>Advances in Structural Engineering</i> , 2012, 15, 625-635.	2.4	51
41	Performance and Parametric Analysis of Flexural Strengthening for RC Beams with NSM-CFRP Bars. <i>Journal of Composites for Construction</i> , 2014, 18, .	3.2	50
42	Tensile behavior of FRP and hybrid FRP sheets in freeze-thaw cycling environments. <i>Composites Part B: Engineering</i> , 2014, 60, 239-247.	12.0	50
43	Mitochondrial dysfunction is involved in the aggravation of periodontitis by diabetes. <i>Journal of Clinical Periodontology</i> , 2017, 44, 463-471.	4.9	50
44	pH dependent silver nanoparticles releasing titanium implant: A novel therapeutic approach to control peri-implant infection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 127-136.	5.0	49
45	Experimental and Numerical Investigation on Progressive Collapse Resistance of Post-Tensioned Precast Concrete Beam-Column Subassemblages. <i>Journal of Structural Engineering</i> , 2020, 146, .	3.4	49
46	Deproteinized bovine bone functionalized with the slow delivery of BMP-2 for the repair of critical-sized bone defects in sheep. <i>Bone</i> , 2013, 56, 110-118.	2.9	48
47	Development of a Bridge Weigh-in-Motion System Based on Long-Gauge Fiber Bragg Grating Sensors. <i>Journal of Bridge Engineering</i> , 2018, 23, .	2.9	48
48	Neuro-regenerative imidazole-functionalized GelMA hydrogel loaded with hAMSC and SDF-1 β promote stem cell differentiation and repair focal brain injury. <i>Bioactive Materials</i> , 2021, 6, 627-637.	15.6	47
49	rhBMP2/7 Heterodimer: An Osteoblastogenesis Inducer of Not Higher Potency but Lower Effective Concentration Compared with rhBMP2 and rhBMP7 Homodimers. <i>Tissue Engineering - Part A</i> , 2010, 16, 879-887.	3.1	46
50	BMP-Functionalised Coatings to Promote Osteogenesis for Orthopaedic Implants. <i>International Journal of Molecular Sciences</i> , 2014, 15, 10150-10168.	4.1	46
51	Degradation of basalt FRP bars in alkaline environment. <i>Science and Engineering of Composite Materials</i> , 2015, 22, 649-657.	1.4	45
52	Preparation and Characterization of Lanthanum-Incorporated Hydroxyapatite Coatings on Titanium Substrates. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21070-21086.	4.1	41
53	Bond and Flexural Behavior of Sea Sand Concrete Members Reinforced with Hybrid Steel-Composite Bars Presubjected to Wet-Dry Cycles. <i>Journal of Composites for Construction</i> , 2017, 21, .	3.2	40
54	The effects of bioactive compounds from blueberry and blackcurrant powders on the inhibitory activities of oat bran pastes against α -amylase and α -glucosidase linked to type 2 diabetes. <i>Food Research International</i> , 2020, 138, 109756.	6.2	40

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55	Mechanical evaluation for laminated bamboo lumber along two eccentric compression directions. <i>Journal of Wood Science</i> , 2016, 62, 503-517.	1.9	39
56	Histatin 1 Enhances Cell Adhesion to Titanium in an Implant Integration Model. <i>Journal of Dental Research</i> , 2017, 96, 430-436.	5.2	38
57	Distributed Error Correction of EKF Algorithm in Multi-Sensor Fusion Localization Model. <i>IEEE Access</i> , 2020, 8, 93211-93218.	4.2	37
58	BMP2-coprecipitated calcium phosphate granules enhance osteoinductivity of deproteinized bovine bone, and bone formation during critical-sized bone defect healing. <i>Scientific Reports</i> , 2017, 7, 41800.	3.3	36
59	Microporous polysaccharide multilayer coated BCP composite scaffolds with immobilised calcitriol promote osteoporotic bone regeneration both in vitro and in vivo. <i>Theranostics</i> , 2019, 9, 1125-1143.	10.0	36
60	Curcumin Protects Osteoblasts From Oxidative Stress-Induced Dysfunction via GSK3 β -Nrf2 Signaling Pathway. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 625.	4.1	36
61	Research on the seismic retrofitting performance of RC frames using SC β PSPC BRBF substructures. <i>Earthquake Engineering and Structural Dynamics</i> , 2020, 49, 794-816.	4.4	35
62	Biomimetic Coating of Organic Polymers with a Protein-Functionalized Layer of Calcium Phosphate: The Surface Properties of the Carrier Influence Neither the Coating Characteristics Nor the Incorporation Mechanism or Release Kinetics of the Protein. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 1255-1265.	2.1	34
63	Effect of FRP Configurations on the Fatigue Repair Effectiveness of Cracked Steel Plates. <i>Journal of Composites for Construction</i> , 2014, 18, .	3.2	34
64	Structural performance of ballastless track slabs reinforced with BFRP and SFCB. <i>Composites Part B: Engineering</i> , 2015, 71, 103-112.	12.0	34
65	Slenderness Ratio Effect on Eccentric Compression Properties of Parallel Bamboo Strand Lumber Columns. <i>Journal of Structural Engineering</i> , 2019, 145, .	3.4	34
66	Low-dose rhBMP-2/7 heterodimer to reconstruct peri-implant bone defects: a micro-CT evaluation. <i>Journal of Clinical Periodontology</i> , 2012, 39, 98-105.	4.9	33
67	Nonlinear Behavior and Simulation of Concrete Columns Reinforced by Steel-FRP Composite Bars. <i>Journal of Bridge Engineering</i> , 2014, 19, 220-234.	2.9	33
68	Determination of the bond-slip behavior of CFRP-to-steel bonded interfaces using digital image correlation. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 1353-1367.	3.1	33
69	The effects of enzymatic modification on the functional ingredient - Dietary fiber extracted from potato residue. <i>LWT - Food Science and Technology</i> , 2022, 153, 112511.	5.2	33
70	Experimental Study of Cyclic Behavior of Concrete Bridge Columns Reinforced by Steel Basalt-Fiber Composite Bars and Hybrid Stirrups. <i>Journal of Composites for Construction</i> , 2017, 21, .	3.2	32
71	Enhanced Oxidative Damage and Nrf2 Downregulation Contribute to the Aggravation of Periodontitis by Diabetes Mellitus. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	4.0	32
72	Bone regeneration in critical-sized bone defect enhanced by introducing osteoinductivity to biphasic calcium phosphate granules. <i>Clinical Oral Implants Research</i> , 2017, 28, 251-260.	4.5	31

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73	Injectable halloysite-g-chitosan hydrogels as drug carriers to inhibit breast cancer recurrence. Composites Part B: Engineering, 2021, 221, 109031.	12.0	31
74	Comprehensive comparison of macro-strain mode and displacement mode based on different sensing technologies. Mechanical Systems and Signal Processing, 2015, 50-51, 563-579.	8.0	30
75	Tensile behaviors of ECR-glass and high strength glass fibers after NaOH treatment. Ceramics International, 2013, 39, 9173-9178.	4.8	29
76	Mechanical Performance of the Wet-Bond Interface between FRP Plates and Cast-in-Place Concrete. Journal of Composites for Construction, 2014, 18, .	3.2	29
77	Effects of heterodimeric bone morphogenetic protein α 2/7 on osteogenesis of human adipose α derived stem cells. Cell Proliferation, 2015, 48, 650-660.	5.3	29
78	Investigation on the damage identification of bridges using distributed long-gauge dynamic macrostrain response under ambient excitation. Journal of Intelligent Material Systems and Structures, 2012, 23, 85-103.	2.5	28
79	BMP2/7 Heterodimer Can Modulate All Cellular Events of the <i>In Vitro</i> </i>RANKL-Mediated Osteoclastogenesis, Respectively, in Different Dose Patterns. Tissue Engineering - Part A, 2012, 18, 621-630.	3.1	28
80	The kinetics and mechanism of bone morphogenetic protein 2 release from calcium phosphate α based implant α coatings. Journal of Biomedical Materials Research - Part A, 2018, 106, 2363-2371.	4.0	28
81	Theoretical and Numerical Study on Stress Intensity Factors for FRP-Strengthened Steel Plates with Double-Edged Cracks. Sensors, 2018, 18, 2356.	3.8	28
82	Long α term cell α mediated protein release from calcium phosphate ceramics. Journal of Biomedical Materials Research - Part A, 2010, 92A, 463-474.	4.0	27
83	Cell α mediated <sc>BMP</sc> α 2 release from a novel dual α drug delivery system promotes bone formation. Clinical Oral Implants Research, 2014, 25, 1412-1421.	4.5	27
84	Hyaluronic Acid Promotes the Osteogenesis of BMP-2 in an Absorbable Collagen Sponge. Polymers, 2017, 9, 339.	4.5	27
85	Mechanical properties of seawater sea-sand concrete reinforced with discrete BFRP-Needles. Construction and Building Materials, 2019, 206, 432-441.	7.2	27
86	Whey protein-blackcurrant concentrate particles obtained by spray-drying and freeze-drying for delivering structural and health benefits of cookies. Innovative Food Science and Emerging Technologies, 2021, 68, 102606.	5.6	27
87	Chondroinductive/chondroconductive peptides and their-functionalized biomaterials for cartilage tissue engineering. Bioactive Materials, 2022, 9, 221-238.	15.6	27
88	Notoginsenoside R1 attenuates oxidative stress α induced osteoblast dysfunction through JNK signalling pathway. Journal of Cellular and Molecular Medicine, 2021, 25, 11278-11289.	3.6	27
89	Flexural strengthening of concrete beams with near-surface mounted steel α fiber-reinforced polymer composite bars. Journal of Reinforced Plastics and Composites, 2011, 30, 1529-1537.	3.1	26
90	Digital image correlation measurement of the bond α slip relationship between fiber-reinforced polymer sheets and concrete substrate. Journal of Reinforced Plastics and Composites, 2014, 33, 1590-1603.	3.1	26

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91	Evaluation of a novel oral mucosa in vitro implantation model for analysis of molecular interactions with dental abutment surfaces. <i>Clinical Implant Dentistry and Related Research</i> , 2019, 21, 25-33.	3.7	26
92	Seismic responses of bridges with rocking column foundation: A dimensionless regression analysis. <i>Earthquake Engineering and Structural Dynamics</i> , 2019, 48, 152-170.	4.4	26
93	Numerical investigation on thermal-hydraulic performance of a printed circuit LNG vaporizer. <i>Applied Thermal Engineering</i> , 2020, 165, 114447.	6.0	26
94	Bi-Functionalization of a Calcium Phosphate-Coated Titanium Surface with Slow-Release Simvastatin and Metronidazole to Provide Antibacterial Activities and Pro-Osteodifferentiation Capabilities. <i>PLoS ONE</i> , 2014, 9, e97741.	2.5	26
95	Cell-mediated BMP-2 liberation promotes bone formation in a mechanically unstable implant environment. <i>Bone</i> , 2010, 46, 1322-1327.	2.9	25
96	Controlled Release of BMP-2 from a Heparin-Conjugated Strontium-Substituted Nanohydroxyapatite/Silk Fibroin Scaffold for Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3291-3303.	5.2	25
97	Experimental investigations of concrete-filled steel tubular columns confined with high-strength steel wire. <i>Advances in Structural Engineering</i> , 2019, 22, 2771-2784.	2.4	24
98	Length and orientation direction effect on static bending properties of laminated Moso bamboo. <i>European Journal of Wood and Wood Products</i> , 2019, 77, 547-557.	2.9	24
99	Experimental study of concrete beams reinforced with hybrid bars (SFCBs and BFRP bars). <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	3.1	24
100	Global well-posedness for the two-dimensional nonlinear Boussinesq equations with vertical dissipation. <i>Journal of Differential Equations</i> , 2013, 255, 2891-2926.	2.2	23
101	A unified proof on the partial regularity for suitable weak solutions of non-stationary and stationary Navier-Stokes equations. <i>Journal of Differential Equations</i> , 2014, 256, 1224-1249.	2.2	23
102	AFRP Influence on Parallel Bamboo Strand Lumber Beams. <i>Sensors</i> , 2018, 18, 2854.	3.8	23
103	Comparison of polyetheretherketone versus silicon nitride intervertebral spinal spacers in a caprine model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 688-699.	3.4	23
104	The durability of seawater sea-sand concrete beams reinforced with metal bars or non-metal bars in the ocean environment. <i>Advances in Structural Engineering</i> , 2020, 23, 334-347.	2.4	23
105	Is There a Governing Role of Osteocytes in Bone Tissue Regeneration?. <i>Current Osteoporosis Reports</i> , 2020, 18, 541-550.	3.6	23
106	A Novel <sc>BMP2</sc>-Copolymerized, Layer-by-Layer Assembled Biomimetic Calcium Phosphate Particle: A Biodegradable and Highly Efficient Osteoinducer. <i>Clinical Implant Dentistry and Related Research</i> , 2014, 16, 643-654.	3.7	22
107	A dual functional bone defect filling material with sequential antibacterial and osteoinductive properties for infected bone defect repair. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2360-2370.	4.0	21
108	A novel method to improve the osteogenesis capacity of hUCMSCs with dual-directional pre-induction under screened co-culture conditions. <i>Cell Proliferation</i> , 2020, 53, e12740.	5.3	21

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109	Functionalization of whey protein isolate fortified with blackcurrant concentrate by spray-drying and freeze-drying strategies. <i>Food Research International</i> , 2021, 141, 110025.	6.2	21
110	SAFETY ENHANCEMENT OF URBAN STRUCTURES WITH STRUCTURAL RECOVERABILITY AND CONTROLLABILITY. <i>Journal of Earthquake and Tsunami</i> , 2009, 03, 143-174.	1.3	20
111	PERFORMANCE ADVANCEMENT OF RC COLUMNS BY APPLYING BASALT FRP COMPOSITES WITH NSM AND CONFINEMENT SYSTEM. <i>Journal of Earthquake and Tsunami</i> , 2013, 07, 1350007.	1.3	20
112	Notoginsenoside R1 significantly promotes in vitro osteoblastogenesis. <i>International Journal of Molecular Medicine</i> , 2016, 38, 537-544.	4.0	20
113	Experimental study on damage-controllable rocking walls with resilient corners. <i>Magazine of Concrete Research</i> , 2019, 71, 1113-1129.	2.0	20
114	Development and fabrication of co-axially electrospun biomimetic periosteum with a decellularized periosteal ECM shell/PCL core structure to promote the repair of critical-sized bone defects. <i>Composites Part B: Engineering</i> , 2022, 234, 109620.	12.0	20
115	Finite-Element Analysis and Strength Model for IC Debonding in FRP-Strengthened RC Beams. <i>Journal of Composites for Construction</i> , 2018, 22, 04018030.	3.2	19
116	Experimental study on the durability of FRP bars reinforced concrete beams in simulated ocean environment. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 1123-1134.	1.4	19
117	Efficacy of antioxidant therapy on sperm quality measurements after varicocele: A systematic review and meta-analysis. <i>Andrologia</i> , 2019, 51, e13396.	2.1	19
118	Time-variant fragility analysis of the bridge system considering time-varying dependence among typical component seismic demands. <i>Earthquake Engineering and Engineering Vibration</i> , 2019, 18, 363-377.	2.3	19
119	Fatigue Evaluation of Steel Bridge Details Integrating Multi-Scale Dynamic Analysis of Coupled Train-Track-Bridge System and Fracture Mechanics. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3261.	2.5	19
120	Notoginsenoside R1 functionalized gelatin hydrogels to promote reparative dentinogenesis. <i>Acta Biomaterialia</i> , 2021, 122, 160-171.	8.3	19
121	Evolutionary innovations through gain and loss of genes in the ectomycorrhizal Boletales. <i>New Phytologist</i> , 2022, 233, 1383-1400.	7.3	19
122	Fiber-Element Modeling for Seismic Performance of Square RC Bridge Columns Retrofitted with NSM BFRP Bars and/or BFRP Sheet Confinement. <i>Journal of Composites for Construction</i> , 2016, 20, .	3.2	18
123	Optimal lateral aseismic performance analysis of mega-substructure system with modularized secondary structures. <i>Structural Design of Tall and Special Buildings</i> , 2017, 26, e1387.	1.9	18
124	Analytical modeling of corroded RC columns considering flexure-shear interaction for seismic performance assessment. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 2165-2190.	4.1	18
125	Human salivary histatin-1 (Hst1) promotes bone morphogenetic protein 2 (BMP2)-induced osteogenesis and angiogenesis. <i>FEBS Open Bio</i> , 2020, 10, 1503-1515.	2.3	18
126	Heterodimeric BMP-2/7 Antagonizes the Inhibition of All-Trans Retinoic Acid and Promotes the Osteoblastogenesis. <i>PLoS ONE</i> , 2013, 8, e78198.	2.5	18

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127	Structural health monitoring of a steel stringer bridge with area sensing. <i>Structure and Infrastructure Engineering</i> , 2014, 10, 1049-1058.	3.7	17
128	An experimental study of the insulation performance of ballastless track slabs reinforced by new fiber composite bars. <i>Construction and Building Materials</i> , 2015, 83, 7-18.	7.2	17
129	Slowly Delivered Icarin/Allogeneic Bone Marrow-Derived Mesenchymal Stem Cells to Promote the Healing of Calvarial Critical-Size Bone Defects. <i>Stem Cells International</i> , 2016, 2016, 1-13.	2.5	17
130	Physicochemical Niche Conditions and Mechanosensing by Osteocytes and Myocytes. <i>Current Osteoporosis Reports</i> , 2019, 17, 235-249.	3.6	17
131	Seismic Vulnerability Analysis of RC Bridges Based on Kriging Model. <i>Journal of Earthquake Engineering</i> , 2019, 23, 242-260.	2.5	17
132	K-Carrageenan Stimulates Pre-Osteoblast Proliferation and Osteogenic Differentiation: A Potential Factor for the Promotion of Bone Regeneration?. <i>Molecules</i> , 2021, 26, 6131.	3.8	17
133	Partial regularity of suitable weak solutions to the multi-dimensional generalized magneto-hydrodynamics equations. <i>Communications in Contemporary Mathematics</i> , 2016, 18, 1650018.	1.2	16
134	Cyclic loading tests and analyses of posttensioned concrete bridge columns combining cast-in-place and precast segments. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 6141-6163.	4.1	16
135	A histomorphometric study on treated and untreated ceramic filled PEEK implants versus titanium implants: Preclinical in vivo study. <i>Clinical Oral Implants Research</i> , 2020, 31, 246-254.	4.5	16
136	Antibacterial and Osteogenic Functionalization of Titanium With Silicon/Copper-Doped High-Energy Shot Peening-Assisted Micro-Arc Oxidation Technique. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 573464.	4.1	16
137	Damage mechanics-based modeling approaches for cyclic analysis of precast concrete structures: A comparative study. <i>International Journal of Damage Mechanics</i> , 2020, 29, 965-987.	4.2	16
138	Nanoporous tantalum coated zirconia implant improves osseointegration. <i>Ceramics International</i> , 2020, 46, 17437-17448.	4.8	16
139	Functionalization of bovine whey proteins by dietary phenolics from molecular-level fabrications and mixture-level combinations. <i>Trends in Food Science and Technology</i> , 2021, 110, 107-119.	15.1	16
140	Prefabricated 3D-Printed Tissue-Engineered Bone for Mandibular Reconstruction: A Preclinical Translational Study in Primate. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5727-5738.	5.2	16
141	Flexural Behavior of Concrete Beams Strengthened with New Prestressed Carbon-Basalt Hybrid Fiber Sheets. <i>Journal of Composites for Construction</i> , 2014, 18, .	3.2	15
142	Shear Stress Modulates Osteoblast Cell and Nucleus Morphology and Volume. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8361.	4.1	15
143	Histatin 1 enhanced the speed and quality of wound healing through regulating the behaviour of fibroblast. <i>Cell Proliferation</i> , 2021, 54, e13087.	5.3	15
144	Magnetron sputtering of strontium nanolayer on zirconia implant to enhance osteogenesis. <i>Materials Science and Engineering C</i> , 2021, 127, 112191.	7.3	15

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