Cijun Shuai

List of Publications by Year
in descending order

279 papers	14,169 citations	24978 57 h-index	29081 104 g-index
279 all docs	279 docs citations	279 times ranked	15611 citing authors

#	Article	IF	Citations
1	In-situ deposition of apatite layer to protect Mg-based composite fabricated via laser additive manufacturing. Journal of Magnesium and Alloys, 2023, 11, 629-640.	5.5	36
2	In situ synthesis of hydroxyapatite nanorods on graphene oxide nanosheets and their reinforcement in biopolymer scaffold. Journal of Advanced Research, 2022, 35, 13-24.	4.4	124
3	Magnetostrictive alloys: Promising materials for biomedical applications. Bioactive Materials, 2022, 8, 177-195.	8.6	44
4	Pre-oxidation induced in situ interface strengthening in biodegradable Zn/nano-SiC composites prepared by selective laser melting. Journal of Advanced Research, 2022, 38, 143-155.	4.4	33
5	Semicoherent strengthens graphene/zinc scaffolds. Materials Today Nano, 2022, 17, 100163.	2.3	18
6	Amorphous magnesium alloy with high corrosion resistance fabricated by laser powder bed fusion. Journal of Alloys and Compounds, 2022, 897, 163247.	2.8	27
7	Emerging role of m6A modification in osteogenesis of stem cells. Journal of Bone and Mineral Metabolism, 2022, 40, 177-188.	1.3	6
8	Transcrystalline growth of PLLA on carbon fiber grafted with nano-SiO2 towards boosting interfacial bonding in bone scaffold. Biomaterials Research, 2022, 26, 2.	3.2	35
9	Construction of a stereocomplex between poly(<scp>d</scp>-lactide) grafted hydroxyapatite and poly(<scp>l</scp>-lactide): toward a bioactive composite scaffold with enhanced interfacial bonding. Journal of Materials Chemistry B, 2022, 10, 214-223.	2.9	25
10	Dilemma and breakthrough of biodegradable poly-l-lactic acid in bone tissue repair. Journal of Materials Research and Technology, 2022, 17, 2369-2387.	2.6	28
11	Additive manufacturing of Bio-inspired ceramic bone Scaffolds: Structural Design, mechanical properties and biocompatibility. Materials and Design, 2022, 217, 110610.	3.3	53
12	Silver-decorated black phosphorus: a synergistic antibacterial strategy. Nanotechnology, 2022, 33, 245708.	1.3	28
13	Sr²⁺ Sustained Release System Augments Bioactivity of Polymer Scaffold. ACS Applied Polymer Materials, 2022, 4, 2691-2702.	2.0	26
14	In situ grown rare earth lanthanum on carbon nanofibre for interfacial reinforcement in Zn implants. Virtual and Physical Prototyping, 2022, 17, 700-717.	5.3	22
15	A conductive network enhances nerve cell response. Additive Manufacturing, 2022, 52, 102694.	1.7	23
16	Magnetic-driven wireless electrical stimulation in a scaffold. Composites Part B: Engineering, 2022, 237, 109864.	5.9	28
17	A dual redox system for enhancing the biodegradability of Fe-C-Cu composite scaffold. Colloids and Surfaces B: Biointerfaces, 2022, 213, 112431.	2.5	5
18	Spectral element modeling and experimental investigations on vibration behaviors of imperfect plate considering irregular hole and curved crack. Journal of Sound and Vibration, 2022, 529, 116924.	2.1	27

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19	Water-responsive shape memory thermoplastic polyurethane scaffolds triggered at body temperature for bone defect repair. Materials Chemistry Frontiers, 2022, 6, 1456-1469.	3.2	30
20	Stress-Induced Dual-Phase Structure to Accelerate Degradation of the Fe Implant. ACS Biomaterials Science and Engineering, 2022, 8, 1841-1851.	2.6	1
21	Microstructure and Corrosion Behavior of Iron Based Biocomposites Prepared by Laser Additive Manufacturing. Micromachines, 2022, 13, 712.	1.4	3
22	Nitrogen-doped carbon-ZnO heterojunction derived from ZIF-8: a photocatalytic antibacterial strategy for scaffold. Materials Today Nano, 2022, 18, 100210.	2.3	27
23	In Situ Growth of a Metalâ€“Organic Framework on Graphene Oxide for the Chemo-Photothermal Therapy of Bacterial Infection in Bone Repair. ACS Applied Materials & Interfaces, 2022, 14, 21996-22005.	4.0	35
24	A general acoustic energy-spectral method for axisymmetric cavity with arbitrary curvature edges. Wave Motion, 2022, , 102981.	1.0	0
25	Peritectic-eutectic transformation of intermetallic in Zn alloy: Effects of Mn on the microstructure, strength and ductility. Materials Characterization, 2022, 190, 112054.	1.9	7
26	Vibro-acoustic analysis of a circumferentially coupled composite laminated annular plate backed by double cylindrical acoustic cavities. Ocean Engineering, 2022, 257, 111584.	1.9	4
27	Hydroxyapatite nanoparticles in situ grown on carbon nanotube as a reinforcement for poly (Îµ-caprolactone) bone scaffold. Materials Today Advances, 2022, 15, 100272.	2.5	25
28	Magnetostrictive bulk Fe-Ga alloys prepared by selective laser melting for biodegradable implant applications. Materials and Design, 2022, 220, 110861.	3.3	28
29	A Review on Distortion and Residual Stress in Additive Manufacturing. , 2022, 1, 100039.		5
30	Trabecular-like Tiâ€“6Alâ€“4V scaffold for bone repair: A diversified mechanical stimulation environment for bone regeneration. Composites Part B: Engineering, 2022, 241, 110057.	5.9	38
31	Polydopamine constructed interfacial molecular bridge in nano-hydroxylapatite/polycaprolactone composite scaffold. Colloids and Surfaces B: Biointerfaces, 2022, 217, 112668.	2.5	8
32	Dual alloying improves the corrosion resistance of biodegradable Mg alloys prepared by selective laser melting. Journal of Magnesium and Alloys, 2021, 9, 305-316.	5.5	45
33	Fabrication and properties of CaSiO3/ Sr3(PO4)2 composite scaffold based on extrusion deposition. Ceramics International, 2021, 47, 4783-4792.	2.3	16
34	Microstructure evolution and texture tailoring of reduced graphene oxide reinforced Zn scaffold. Bioactive Materials, 2021, 6, 1230-1241.	8.6	132
35	Mechanically driving supersaturated Feâ€“Mg solid solution for bone implant: Preparation, solubility and degradation. Composites Part B: Engineering, 2021, 207, 108564.	5.9	35
36	Accelerated degradation of HAP/PLLA bone scaffold by PGA blending facilitates bioactivity and osteoconductivity. Bioactive Materials, 2021, 6, 490-502.	8.6	236

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37	Layer-dependent photocatalysts of GaN/SiC-based multilayer van der Waals heterojunctions for hydrogen evolution. Catalysis Science and Technology, 2021, 11, 3059-3069.	2.1	21
38	A co-dispersed nanosystem of strontium-anchored reduced graphene oxide to enhance the bioactivity and mechanical property of polymer scaffolds. Materials Chemistry Frontiers, 2021, 5, 2373-2386.	3.2	41
39	A novel design of SiH/CeO₂(111) van der Waals type-II heterojunction for water splitting. Physical Chemistry Chemical Physics, 2021, 23, 2812-2818.	1.3	49
40	Copper-doped mesoporous bioactive glass endows magnesium-based scaffold with antibacterial activity and corrosion resistance. Materials Chemistry Frontiers, 2021, 5, 7228-7240.	3.2	7
41	Boosting the photocatalytic hydrogen evolution performance of monolayer C₂N coupled with MoSi₂N₄: density-functional theory calculations. Physical Chemistry Chemical Physics, 2021, 23, 8318-8325.	1.3	49
42	In Vitro Corrosion Resistance and Antibacterial Performance of Novel Feâ€“xCu Biomedical Alloys Prepared by Selective Laser Melting. Advanced Engineering Materials, 2021, 23, 2001000.	1.6	15
43	A co-dispersion nanosystem of graphene oxide @silicon-doped hydroxyapatite to improve scaffold properties. Materials and Design, 2021, 199, 109399.	3.3	28
44	Towards a comprehensive understanding of distortion in additive manufacturing based on assumption of constraining force. Virtual and Physical Prototyping, 2021, 16, S85-S97.	5.3	20
45	Mechanical Alloying of Immiscible Metallic Systems: Process, Microstructure, and Mechanism. Advanced Engineering Materials, 2021, 23, 2001098.	1.6	67
46	Design and Compressive Fatigue Properties of Irregular Porous Scaffolds for Orthopedics Fabricated Using Selective Laser Melting. ACS Biomaterials Science and Engineering, 2021, 7, 1663-1672.	2.6	17
47	3D Printed Zn-doped Mesoporous Silica-incorporated Poly-L-lactic Acid Scaffolds for Bone Repair. International Journal of Bioprinting, 2021, 7, 346.	1.7	49
48	A bifunctional bone scaffold combines osteogenesis and antibacterial activity via in situ grown hydroxyapatite and silver nanoparticles. Bio-Design and Manufacturing, 2021, 4, 452-468.	3.9	48
49	Fe-Zn supersaturated solid solution prepared by mechanical alloying and laser sintering to accelerate degradation. Journal of Central South University, 2021, 28, 1170-1182.	1.2	1
50	Corrosion and antibacterial performance of novel selective-laser-melted (SLMed) Ti-xCu biomedical alloys. Journal of Alloys and Compounds, 2021, 864, 158415.	2.8	29
51	Construction of Fe₃O₄-Loaded Mesoporous Carbon Systems for Controlled Drug Delivery. ACS Applied Bio Materials, 2021, 4, 5304-5311.	2.3	14
52	Synthesis of a mace-like cellulose nanocrystal@Ag nanosystem via in-situ growth for antibacterial activities of poly-L-lactide scaffold. Carbohydrate Polymers, 2021, 262, 117937.	5.1	56
53	Constructing core-shell structured BaTiO3@carbon boosts piezoelectric activity and cell response of polymer scaffolds. Materials Science and Engineering C, 2021, 126, 112129.	3.8	47
54	Accelerated degradation of poly(l-lactide) bone scaffold: Crystallinity and hydrophilicity. Materials Chemistry and Physics, 2021, 266, 124545.	2.0	4

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55	Rare earth improves strength and creep resistance of additively manufactured Zn implants. Composites Part B: Engineering, 2021, 216, 108882.	5.9	66
56	Covalent modified graphene oxide in biopolymer scaffold: dispersion and interfacial bonding. Surfaces and Interfaces, 2021, 25, 101254.	1.5	3
57	Polydopamine-decorated black phosphorous to enhance stability in polymer scaffold. Nanotechnology, 2021, 32, 455701.	1.3	5
58	A Continuous MgF 2 Network Structure Encapsulated Mg Alloy Prepared by Selective Laser Melting for Enhanced Biodegradation Resistance. Advanced Engineering Materials, 2021, 23, 2100389.	1.6	4
59	In-situ grown Ag on magnetic halloysite nanotubes in scaffolds: Antibacterial, biocompatibility and mechanical properties. Ceramics International, 2021, 47, 32756-32765.	2.3	6
60	Silver-doped bioglass modified scaffolds: A sustained antibacterial efficacy. Materials Science and Engineering C, 2021, 129, 112425.	3.8	33
61	Galvanic corrosion induced by heterogeneous bimodal grain structures in Fe-Mn implant. Materials Characterization, 2021, 180, 111445.	1.9	3
62	Degradation mechanisms and acceleration strategies of poly (lactic acid) scaffold for bone regeneration. Materials and Design, 2021, 210, 110066.	3.3	53
63	Comparison of the biodegradation of ZK30 subjected to solid solution treating and selective laser melting. Journal of Materials Research and Technology, 2021, 10, 722-729.	2.6	15
64	Coreâ€“shell-Structured ZIF-8@PDA-HA with Controllable Zinc Ion Release and Superior Bioactivity for Improving a Poly-<scp>l</scp>-lactic Acid Scaffold. ACS Sustainable Chemistry and Engineering, 2021, 9, 1814-1825.	3.2	50
65	Polydopamine modified polycaprolactone powder for fabrication bone scaffold owing intrinsic bioactivity. Journal of Materials Research and Technology, 2021, 15, 3375-3385.	2.6	23
66	Laser-Sintered Mg-Zn Supersaturated Solid Solution with High Corrosion Resistance. Micromachines, 2021, 12, 1368.	1.4	7
67	Experimental investigation and parameters optimization on jet electrochemical machining to improve the surface performance of additive-manufactured 316L stainless steel parts. Surface Topography: Metrology and Properties, 2021, 9, 045025.	0.9	2
68	Rivet-Inspired Modification of Carbon Nanotubes by In Situ-Reduced Ag Nanoparticles To Enhance the Strength and Ductility of Zn Implants. ACS Biomaterials Science and Engineering, 2021, 7, 5484-5496.	2.6	11
69	Preparation of Graphene Oxide-loaded Nickel with Excellent Antibacterial Property by Magnetic Field-Assisted Scanning Jet Electrodeposition. International Journal of Bioprinting, 2021, 8, 432.	1.7	8
70	Cu ions and cetyltrimethylammonium bromide loaded into montmorillonite: a synergistic antibacterial system for bone scaffolds. Materials Chemistry Frontiers, 2021, 6, 103-116.	3.2	31
71	Polyaniline Protrusions on MoS₂ Nanosheets for PVDF Scaffolds with Improved Electrical Stimulation. ACS Applied Nano Materials, 2021, 4, 13955-13966.	2.4	15
72	Laser Additively Manufactured Iron-Based Biocomposite: Microstructure, Degradation, and In Vitro Cell Behavior. Frontiers in Bioengineering and Biotechnology, 2021, 9, 783821.	2.0	3

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73	A polymer scaffold with drug-sustained release and antibacterial activity. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 398-405.	1.8	11
74	Study on Fe-xGO Composites Prepared by Selective Laser Melting: Microstructure, Hardness, Biodegradation and Cytocompatibility. Jom, 2020, 72, 1163-1174.	0.9	14
75	Functionalized BaTiO3 enhances piezoelectric effect towards cell response of bone scaffold. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110587.	2.5	102
76	Mg bone implant: Features, developments and perspectives. Materials and Design, 2020, 185, 108259.	3.3	251
77	A magnetic micro-environment in scaffolds for stimulating bone regeneration. Materials and Design, 2020, 185, 108275.	3.3	101
78	Fabrication and properties of zirconia/hydroxyapatite composite scaffold based on digital light processing. Ceramics International, 2020, 46, 2300-2308.	2.3	96
79	Selective laser melted Fe-Mn bone scaffold: microstructure, corrosion behavior and cell response. Materials Research Express, 2020, 7, 015404.	0.8	50
80	Surface modification enhances interfacial bonding in PLLA/MgO bone scaffold. Materials Science and Engineering C, 2020, 108, 110486.	3.8	46
81	Mnâ€promoting formation of a longâ€period stackingâ€ordered phase in laserâ€melted Mg alloys to enhance degradation resistance. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 553-563.	0.8	3
82	Insight into enhanced visible-light photocatalytic activity of SWCNTs/g-C3N4 nanocomposites from first principles. Applied Surface Science, 2020, 530, 147181.	3.1	30
83	Effect of Alloying Mn by Selective Laser Melting on the Microstructure and Biodegradation Properties of Pure Mg. Metals, 2020, 10, 1527.	1.0	5
84	Organically modified montmorillonite improves interfacial compatibility between PLLA and PGA in bone scaffold. Polymer Degradation and Stability, 2020, 182, 109394.	2.7	15
85	2D layered SiC/C2N van der Waals type-II heterostructure: a visible-light-driven photocatalyst for water splitting. New Journal of Chemistry, 2020, 44, 15439-15445.	1.4	21
86	Advances in biocermets for bone implant applications. Bio-Design and Manufacturing, 2020, 3, 307-330.	3.9	16
87	Influence of graphene oxide (GO) on microstructure and biodegradation of ZK30-xGO composites prepared by selective laser melting. Journal of Magnesium and Alloys, 2020, 8, 952-962.	5.5	28
88	In Situ Generation of Hydroxyapatite on Biopolymer Particles for Fabrication of Bone Scaffolds Owning Bioactivity. ACS Applied Materials & Interfaces, 2020, 12, 46743-46755.	4.0	58
89	Enhanced Crystallinity and Antibacterial of PHBV Scaffolds Incorporated with Zinc Oxide. Journal of Nanomaterials, 2020, 2020, 1-12.	1.5	23
90	CircRNAs and LncRNAs in Osteoporosis. Differentiation, 2020, 116, 16-25.	1.0	11

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91	Island-to-acicular alteration of second phase enhances the degradation resistance of biomedical AZ61 alloy. Journal of Alloys and Compounds, 2020, 835, 155397.	2.8	9
92	Electrostatic self-assembly of pFe3O4 nanoparticles on graphene oxide: A co-dispersed nanosystem reinforces PLLA scaffolds. Journal of Advanced Research, 2020, 24, 191-203.	4.4	58
93	A peritectic phase refines the microstructure and enhances Zn implants. Journal of Materials Research and Technology, 2020, 9, 2623-2634.	2.6	30
94	Lin28A Regulates Stem-like Properties of Ovarian Cancer Cells by Enriching RAN and HSBP1 mRNA and Up-regulating its Protein Expression. International Journal of Biological Sciences, 2020, 16, 1941-1953.	2.6	11
95	Interfacial reinforcement in bioceramic/biopolymer composite bone scaffold: The role of coupling agent. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111083.	2.5	76
96	Organic montmorillonite produced an interlayer locking effect in a polymer scaffold to enhance interfacial bonding. Materials Chemistry Frontiers, 2020, 4, 2398-2408.	3.2	64
97	A three-dimensional solution for free vibration of FGP-GPLRC cylindrical shells resting on elastic foundations: a comparative and parametric study. International Journal of Mechanical Sciences, 2020, 187, 105896.	3.6	38
98	Hybridization of graphene oxide and mesoporous bioactive glass: Micro-space network structure enhance polymer scaffold. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 109, 103827.	1.5	7
99	Graphene-assisted barium titanate improves piezoelectric performance of biopolymer scaffold. Materials Science and Engineering C, 2020, 116, 111195.	3.8	26
100	Surface-Modified Graphene Oxide with Compatible Interface Enhances Poly-L-Lactic Acid Bone Scaffold. Journal of Nanomaterials, 2020, 2020, 1-11.	1.5	22
101	Cellulose nanocrystals as biobased nucleation agents in poly-l-lactide scaffold: Crystallization behavior and mechanical properties. Polymer Testing, 2020, 85, 106458.	2.3	34
102	Interfacial strengthening by reduced graphene oxide coated with MgO in biodegradable Mg composites. Materials and Design, 2020, 191, 108612.	3.3	57
103	In situ decomposition of Ti₂AlN promoted interfacial bonding in ZnAl-Ti₂AlN biocomposites for bone repair. Materials Research Express, 2020, 7, 025402.	0.8	4
104	Halloysite nanotubes loaded with nano silver for the sustained-release of antibacterial polymer nanocomposite scaffolds. Journal of Materials Science and Technology, 2020, 46, 237-247.	5.6	49
105	In-situ growth of silica nano-protrusions on halloysite nanotubes for interfacial reinforcement in polymer/halloysite scaffolds. Applied Surface Science, 2020, 513, 145772.	3.1	20
106	Graphene oxide assists polyvinylidene fluoride scaffold to reconstruct electrical microenvironment of bone tissue. Materials and Design, 2020, 190, 108564.	3.3	81
107	Graphene oxide-driven interfacial coupling in laser 3D printed PEEK/PVA scaffolds for bone regeneration. Virtual and Physical Prototyping, 2020, 15, 211-226.	5.3	70
108	Phosphonic Acid Coupling Agent Modification of HAP Nanoparticles: Interfacial Effects in PLLA/HAP Bone Scaffold. Polymers, 2020, 12, 199.	2.0	47

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109	Linc02349 promotes osteogenesis of human umbilical cordâ€derived stem cells by acting as a competing endogenous RNA for miRâ€25â€3p and miRâ€33bâ€5p. Cell Proliferation, 2020, 53, e12814.	2.4	52
110	TiO₂-Induced In Situ Reaction in Graphene Oxide-Reinforced AZ61 Biocomposites to Enhance the Interfacial Bonding. ACS Applied Materials & Interfaces, 2020, 12, 23464-23473.	4.0	69
111	Mesoporous Carbon as Galvanic-Corrosion Activator Accelerates Fe Degradation. Applied Sciences (Switzerland), 2020, 10, 2487.	1.3	2
112	Magnetically actuated bone scaffold: Microstructure, cell response and osteogenesis. Composites Part B: Engineering, 2020, 192, 107986.	5.9	67
113	Laser additive manufacturing of Mg-based composite with improved degradation behaviour. Virtual and Physical Prototyping, 2020, 15, 278-293.	5.3	82
114	A strawberry-like Ag-decorated barium titanate enhances piezoelectric and antibacterial activities of polymer scaffold. Nano Energy, 2020, 74, 104825.	8.2	264
115	MnO2 catalysis of oxygen reduction to accelerate the degradation of Fe-C composites for biomedical applications. Corrosion Science, 2020, 170, 108679.	3.0	31
116	Rod-like Eutectic Structure in Biodegradable Znâ€“Alâ€“Sn Alloy Exhibiting Enhanced Mechanical Strength. ACS Biomaterials Science and Engineering, 2020, 6, 3821-3831.	2.6	11
117	Metal organic frameworks as a compatible reinforcement in a biopolymer bone scaffold. Materials Chemistry Frontiers, 2020, 4, 973-984.	3.2	67
118	Advances in the occurrence and biotherapy of osteoporosis. Biochemical Society Transactions, 2020, 48, 1623-1636.	1.6	42
119	Forming quality, mechanical properties, and anti-inflammatory activity of additive manufactured Zn-Nd alloy. Journal of Zhejiang University: Science A, 2020, 21, 876-891.	1.3	13
120	Vibration behavior of the functionally graded porous (FGP) doubly-curved panels and shells of revolution by using a semi-analytical method. Composites Part B: Engineering, 2019, 157, 219-238.	5.9	79
121	Formation and characteristic corrosion behavior of alternately lamellar arranged Î± and Î² in as-cast AZ91 Mg alloy. Journal of Alloys and Compounds, 2019, 770, 549-558.	2.8	49
122	Construction of an electric microenvironment in piezoelectric scaffolds fabricated by selective laser sintering. Ceramics International, 2019, 45, 20234-20242.	2.3	11
123	Nano-SiC reinforced Zn biocomposites prepared via laser melting: Microstructure, mechanical properties and biodegradability. Journal of Materials Science and Technology, 2019, 35, 2608-2617.	5.6	80
124	Montmorillonite reduces crystallinity of polyâ€lâ€lactic acid scaffolds to accelerate degradation. Polymers for Advanced Technologies, 2019, 30, 2425-2435.	1.6	10
125	Strong corrosion induced by carbon nanotubes to accelerate Fe biodegradation. Materials Science and Engineering C, 2019, 104, 109935.	3.8	18
126	Bioceramic enhances the degradation and bioactivity of iron bone implant. Materials Research Express, 2019, 6, 115401.	0.8	13

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127	Mechanical Properties of In-Situ Synthesis of Ti-Ti3Al Metal Composite Prepared by Selective Laser Melting. Metals, 2019, 9, 1121.	1.0	5
128	Molybdenum disulfide nanosheets embedded with nanodiamond particles: co-dispersion nanostructures as reinforcements for polymer scaffolds. Applied Materials Today, 2019, 17, 216-226.	2.3	116
129	Trabecular-like Ti-6Al-4V scaffolds for orthopedic: fabrication by selective laser melting and in vitro biocompatibility. Journal of Materials Science and Technology, 2019, 35, 1284-1297.	5.6	149
130	Wave based method (WBM) for free vibration analysis of cross-ply composite laminated cylindrical shells with arbitrary boundaries. Composite Structures, 2019, 213, 284-298.	3.1	28
131	Biodegradable metallic bone implants. Materials Chemistry Frontiers, 2019, 3, 544-562.	3.2	150
132	Rationally designed 2D/2D SiC/g-C₃N₄ photocatalysts for hydrogen production. Catalysis Science and Technology, 2019, 9, 3896-3906.	2.1	35
133	Highly biodegradable and bioactive Fe-Pd-bredigite biocomposites prepared by selective laser melting. Journal of Advanced Research, 2019, 20, 91-104.	4.4	75
134	Drug loading/release and bioactivity research of a mesoporous bioactive glass/polymer scaffold. Ceramics International, 2019, 45, 18003-18013.	2.3	12
135	Laser additive manufacturing of Zn-2Al part for bone repair: Formability, microstructure and properties. Journal of Alloys and Compounds, 2019, 798, 606-615.	2.8	93
136	Graphene Oxide Reinforced Iron Matrix Composite With Enhanced Biodegradation Rate Prepared by Selective Laser Melting. Advanced Engineering Materials, 2019, 21, 1900314.	1.6	17
137	Co-enhance bioactive of polymer scaffold with mesoporous silica and nano-hydroxyapatite. Journal of Biomaterials Science, Polymer Edition, 2019, 30, 1097-1113.	1.9	8
138	nMgO-incorporated PLLA bone scaffolds: Enhanced crystallinity and neutralized acidic products. Materials and Design, 2019, 174, 107801.	3.3	58
139	A domain decomposition method for elastodynamic problems of functionally graded elliptic shells and panels with elastic constraints. Thin-Walled Structures, 2019, 142, 262-276.	2.7	5
140	Montmorillonite with unique interlayer space imparted polymer scaffolds with sustained release of Ag+. Ceramics International, 2019, 45, 11517-11526.	2.3	11
141	Characterizations and interfacial reinforcement mechanisms of multicomponent biopolymer based scaffold. Materials Science and Engineering C, 2019, 100, 809-825.	3.8	90
142	Disperse magnetic sources constructed with functionalized Fe3O4 nanoparticles in poly- -lactic acid scaffolds. Polymer Testing, 2019, 76, 33-42.	2.3	24
143	Antibacterial polymer scaffold based on mesoporous bioactive glass loaded with in situ grown silver. Chemical Engineering Journal, 2019, 374, 304-315.	6.6	133
144	Refined Lamellar Eutectic in Biomedical Znâ€“Alâ€“Zr Alloys for Mechanical Reinforcement. Advanced Engineering Materials, 2019, 21, 1801322.	1.6	5

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145	Uniform degradation mode and enhanced degradation resistance of Mg alloy via a long period stacking ordered phase in the grain interior. Materials Research Express, 2019, 6, 065406.	0.8	3
146	Crystallinity and Reinforcement in Poly-L-Lactic Acid Scaffold Induced by Carbon Nanotubes. Advances in Polymer Technology, 2019, 2019, 1-10.	0.8	12
147	LncRNA ODIR1 inhibits osteogenic differentiation of hUC-MSCs through the FBXO25/H2BK120ub/H3K4me3/OSX axis. Cell Death and Disease, 2019, 10, 947.	2.7	79
148	Dynamics analysis of functionally graded porous (FGP) circular, annular and sector plates with general elastic restraints. Composites Part B: Engineering, 2019, 159, 20-43.	5.9	61
149	A unified solution for the vibration analysis of functionally graded porous (FGP) shallow shells with general boundary conditions. Composites Part B: Engineering, 2019, 156, 406-424.	5.9	73
150	Free vibration analysis of laminated composite elliptic cylinders with general boundary conditions. Composites Part B: Engineering, 2019, 158, 55-66.	5.9	45
151	Free vibrations of functionally graded porous rectangular plate with uniform elastic boundary conditions. Composites Part B: Engineering, 2019, 168, 106-120.	5.9	106
152	An exact solution for free vibration of cross-ply laminated composite cylindrical shells with elastic restraint ends. Computers and Mathematics With Applications, 2019, 77, 641-661.	1.4	15
153	A general vibration analysis of functionally graded porous structure elements of revolution with general elastic restraints. Composite Structures, 2019, 209, 277-299.	3.1	27
154	Improved biodegradation resistance by grain refinement of novel antibacterial ZK30-Cu alloys produced via selective laser melting. Materials Letters, 2019, 237, 253-257.	1.3	57
155	A modified series solution for free vibration analyses of moderately thick functionally graded porous (FGP) deep curved and straight beams. Composites Part B: Engineering, 2019, 165, 155-166.	5.9	58
156	3D honeycomb nanostructure-encapsulated magnesium alloys with superior corrosion resistance and mechanical properties. Composites Part B: Engineering, 2019, 162, 611-620.	5.9	124
157	Surface modification of nanodiamond: Toward the dispersion of reinforced phase in poly-l-lactic acid scaffolds. International Journal of Biological Macromolecules, 2019, 126, 1116-1124.	3.6	86
158	Free vibration analysis of functionally graded carbon nanotube reinforced composite truncated conical panels with general boundary conditions. Composites Part B: Engineering, 2019, 160, 225-240.	5.9	41
159	Effect of grain refinement and crystallographic texture produced by friction stir processing on the biodegradation behavior of a Mg-Nd-Zn alloy. Journal of Materials Science and Technology, 2019, 35, 777-783.	5.6	77
160	The interaction of Lin28A/Rho associated coiled-coil containing protein kinase2 accelerates the malignancy of ovarian cancer. Oncogene, 2019, 38, 1381-1397.	2.6	22
161	A continuous net-like eutectic structure enhances the corrosion resistance of Mg alloys. International Journal of Bioprinting, 2019, 5, 207.	1.7	15
162	Graphene Oxide Induces Ester Bonds Hydrolysis of Poly-l-lactic Acid Scaffold to Accelerate Degradation. International Journal of Bioprinting, 2019, 6, 249.	1.7	32

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163	Hydrolytic Expansion Induces Corrosion Propagation for Increased Fe Biodegradation. International Journal of Bioprinting, 2019, 6, 248.	1.7	3
164	Microstructure, biodegradation, antibacterial and mechanical properties of ZK60-Cu alloys prepared by selective laser melting technique. Journal of Materials Science and Technology, 2018, 34, 1944-1952.	5.6	80
165	Regulating Degradation Behavior by Incorporating Mesoporous Silica for Mg Bone Implants. ACS Biomaterials Science and Engineering, 2018, 4, 1046-1054.	2.6	67
166	Application of the differential quadrature finite element method to free vibration of elastically restrained plate with irregular geometries. Engineering Analysis With Boundary Elements, 2018, 90, 1-16.	2.0	44
167	A graphene oxide-Ag co-dispersing nanosystem: Dual synergistic effects on antibacterial activities and mechanical properties of polymer scaffolds. Chemical Engineering Journal, 2018, 347, 322-333.	6.6	209
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