Wenjing Yang

List of Publications by Year
in descending order

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33	1,937	218677	395702
papers	citations	26 h-index	33 g-index

33	33	33	1898
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stress-Induced Dual-Phase Structure to Accelerate Degradation of the Fe Implant. ACS Biomaterials Science and Engineering, 2022, 8, 1841-1851.	5.2	1
2	Mechanically driving supersaturated Feâ€“Mg solid solution for bone implant: Preparation, solubility and degradation. Composites Part B: Engineering, 2021, 207, 108564.	12.0	35
3	Accelerated degradation of HAP/PLLA bone scaffold by PGA blending facilitates bioactivity and osteoconductivity. Bioactive Materials, 2021, 6, 490-502.	15.6	236
4	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.	5.9	41
5	Mechanical Alloying of Immiscible Metallic Systems: Process, Microstructure, and Mechanism. Advanced Engineering Materials, 2021, 23, 2001098.	3.5	67
6	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.	10.2	56
7	In-situ grown Ag on magnetic halloysite nanotubes in scaffolds: Antibacterial, biocompatibility and mechanical properties. Ceramics International, 2021, 47, 32756-32765.	4.8	6
8	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.	5.2	11
9	Polyaniline Protrusions on MoS₂ Nanosheets for PVDF Scaffolds with Improved Electrical Stimulation. ACS Applied Nano Materials, 2021, 4, 13955-13966.	5.0	15
10	Functionalized BaTiO3 enhances piezoelectric effect towards cell response of bone scaffold. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110587.	5.0	102
11	A magnetic micro-environment in scaffolds for stimulating bone regeneration. Materials and Design, 2020, 185, 108275.	7.0	101
12	Selective laser melted Fe-Mn bone scaffold: microstructure, corrosion behavior and cell response. Materials Research Express, 2020, 7, 015404.	1.6	50
13	Surface modification enhances interfacial bonding in PLLA/MgO bone scaffold. Materials Science and Engineering C, 2020, 108, 110486.	7.3	46
14	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.	1.5	3
15	In Situ Generation of Hydroxyapatite on Biopolymer Particles for Fabrication of Bone Scaffolds Owning Bioactivity. ACS Applied Materials & Interfaces, 2020, 12, 46743-46755.	8.0	58
16	Electrostatic self-assembly of pFe3O4 nanoparticles on graphene oxide: A co-dispersed nanosystem reinforces PLLA scaffolds. Journal of Advanced Research, 2020, 24, 191-203.	9.5	58
17	A peritectic phase refines the microstructure and enhances Zn implants. Journal of Materials Research and Technology, 2020, 9, 2623-2634.	5.8	30
18	Organic montmorillonite produced an interlayer locking effect in a polymer scaffold to enhance interfacial bonding. Materials Chemistry Frontiers, 2020, 4, 2398-2408.	5.9	64

#	Article	IF	Citations
19	Cellulose nanocrystals as biobased nucleation agents in poly-l-lactide scaffold: Crystallization behavior and mechanical properties. Polymer Testing, 2020, 85, 106458.	4.8	34
20	Graphene oxide assists polyvinylidene fluoride scaffold to reconstruct electrical microenvironment of bone tissue. Materials and Design, 2020, 190, 108564.	7.0	81
21	Graphene oxide-driven interfacial coupling in laser 3D printed PEEK/PVA scaffolds for bone regeneration. Virtual and Physical Prototyping, 2020, 15, 211-226.	10.4	70
22	Phosphonic Acid Coupling Agent Modification of HAP Nanoparticles: Interfacial Effects in PLLA/HAP Bone Scaffold. Polymers, 2020, 12, 199.	4.5	47
23	Magnetically actuated bone scaffold: Microstructure, cell response and osteogenesis. Composites Part B: Engineering, 2020, 192, 107986.	12.0	67
24	A strawberry-like Ag-decorated barium titanate enhances piezoelectric and antibacterial activities of polymer scaffold. Nano Energy, 2020, 74, 104825.	16.0	264
25	MnO2 catalysis of oxygen reduction to accelerate the degradation of Fe-C composites for biomedical applications. Corrosion Science, 2020, 170, 108679.	6.6	31
26	Metal organic frameworks as a compatible reinforcement in a biopolymer bone scaffold. Materials Chemistry Frontiers, 2020, 4, 973-984.	5.9	67
27	Montmorillonite reduces crystallinity of polyâ€lâ€lactic acid scaffolds to accelerate degradation. Polymers for Advanced Technologies, 2019, 30, 2425-2435.	3.2	10
28	Laser additive manufacturing of Zn-2Al part for bone repair: Formability, microstructure and properties. Journal of Alloys and Compounds, 2019, 798, 606-615.	5.5	93
29	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.	7.5	86
30	A continuous net-like eutectic structure enhances the corrosion resistance of Mg alloys. International Journal of Bioprinting, 2019, 5, 207.	3.4	15
31	Graphene Oxide Induces Ester Bonds Hydrolysis of Poly-l-lactic Acid Scaffold to Accelerate Degradation. International Journal of Bioprinting, 2019, 6, 249.	3.4	32
32	Interfacial reinforcement in a poly-l-lactic acid/mesoporous bioactive glass scaffold via polydopamine. Colloids and Surfaces B: Biointerfaces, 2018, 170, 45-53.	5.0	30
33	Physical stimulations and their osteogenesis-inducing mechanisms. International Journal of Bioprinting, 2018, 4, 138.	3.4	30