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Bioresorbable Metals for Biomedical Applications: From Mechanical Components to Electronic Devices

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#	Paper	IF	Citations
16	Mechanical properties, in vitro and in vivo biocompatibility analysis of pure iron porous implant produced by metal injection molding: A new eco-friendly feedstock from natural rubber (<i>Hevea brasiliensis</i>). <i>Materials Science and Engineering C</i> , 2021 , 131, 112532	8.3	0
15	Effect of microstructure on outer surface roughening of magnesium alloy tubes in die-less mandrel drawing. <i>Journal of Magnesium and Alloys</i> , 2022 ,	8.8	0
14	Green flexible electronics based on starch. <i>Npj Flexible Electronics</i> , 2022 , 6,	10.7	4
13	Induction heating for the removal of liquid metal-based implant mimics: A proof-of-concept. <i>Applied Materials Today</i> , 2022 , 27, 101459	6.6	0
12	Titanium Surface Characteristics Induce the Specific Reprogramming of Toll-like Receptor Signaling in Macrophages.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
11	Biodegradable Molybdenum (Mo) and Tungsten (W) Devices: One Step Closer towards Fully-Transient Biomedical Implants.. <i>Sensors</i> , 2022 , 22,	3.8	1
10	Effect of Pulse Frequency on the Microstructure and the Degradation of Pulse Electroformed Zinc for Fabricating the Shell of Biodegradable Dosing Pump. <i>Bioengineering</i> , 2022 , 9, 289	5.3	
9	Wire Arc Additive Manufacturing of Zinc as a Degradable Metallic Biomaterial. 2022 , 13, 212		0
8	Actively-Triggerable Metals via Liquid Metal Embrittlement for Biomedical Applications. 2208227		1
7	Pathway of Transient Electronics towards Connected Biomedical Applications.		0
6	A Review on Manufacturing Processes of Biocomposites Based on Poly(Esters) and Bioactive Glass Fillers for Bone Regeneration. 2023 , 8, 81		0
5	Bioresorbable Pressure Sensor and Its Applications in Abnormal Respiratory Event Identification. 2023 , 5, 1761-1769		0
4	Biocompatible Material-Based Flexible Biosensors: From Materials Design to Wearable/Implantable Devices and Integrated Sensing Systems.		0
3	A liquid metal-polydopamine composite for cell culture and electro-stimulation.		0
2	Achieving thin wall and high surface quality of magnesium alloy tubes in combined process of hollow sinking after die-less mandrel drawing. 2023 , 16,		0
1	Electrical stimulation for therapeutic approach.		0