

Da-Tren Chou

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

1,104
citations

840119

11
h-index

1199166

12
g-index

12
all docs

12
docs citations

12
times ranked

1555
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo study of magnesium plate and screw degradation and bone fracture healing. Acta Biomaterialia, 2015, 18, 262-269.	4.1	280
2	Novel processing of iron-manganese alloy-based biomaterials by inkjet 3-D printing. Acta Biomaterialia, 2013, 9, 8593-8603.	4.1	198
3	Binder-jetting 3D printing and alloy development of new biodegradable Fe-Mn-Ca/Mg alloys. Acta Biomaterialia, 2016, 45, 375-386.	4.1	166
4	In vitro degradation and cytotoxicity response of Mg-4% Zn-0.5% Zr (ZK40) alloy as a potential biodegradable material. Acta Biomaterialia, 2013, 9, 8534-8547.	4.1	118
5	In vitro and in vivo corrosion, cytocompatibility and mechanical properties of biodegradable Mg-Y-Ca-Zr alloys as implant materials. Acta Biomaterialia, 2013, 9, 8518-8533.	4.1	113
6	Magnesium alloys as a biomaterial for degradable craniofacial screws. Acta Biomaterialia, 2014, 10, 2323-2332.	4.1	105
7	In vivo characterization of magnesium alloy biodegradation using electrochemical H ₂ monitoring, ICP-MS, and XPS. Acta Biomaterialia, 2017, 50, 556-565.	4.1	47
8	Visual H ₂ sensor for monitoring biodegradation of magnesium implants in vivo. Acta Biomaterialia, 2016, 45, 399-409.	4.1	24
9	Biomimetic Rotated Lamellar Plywood Motifs by Additive Manufacturing of Metal Alloy Scaffolds for Bone Tissue Engineering. ACS Biomaterials Science and Engineering, 2017, 3, 648-657.	2.6	17
10	Corrosion and bone healing of Mg-Y-Zn-Zr-Ca alloy implants: Comparative in vivo study in a non-immobilized rat femoral fracture model. Journal of Biomaterials Applications, 2019, 33, 1178-1194.	1.2	16
11	Anticorrosive Self-Assembled Hybrid Alkylsilane Coatings for Resorbable Magnesium Metal Devices. ACS Biomaterials Science and Engineering, 2017, 3, 518-529.	2.6	14
12	Visual Hydrogen Mapping Sensor for Noninvasive Monitoring of Bioresorbable Magnesium Implants In Vivo. Jom, 2020, 72, 1851-1858.	0.9	6