

# Yageng Li

## List of Publications by Year in descending order

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22  
papers

1,663  
citations

430442

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1444  
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#	ARTICLE	IF	CITATIONS
1	Extrusion-based 3D printed magnesium scaffolds with multifunctional MgF <sub>2</sub> and MgF <sub>2</sub> -CaP coatings. <i>Biomaterials Science</i> , 2021, 9, 7159-7182.	2.6	16
2	Additively Manufactured Absorbable Porous Metal Implants – Processing, Alloying and Corrosion Behavior. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	7
3	Improving the Mechanical Properties of Additively Manufactured Micro-Architected Biodegradable Metals. <i>Jom</i> , 2021, 73, 4188-4198.	0.9	6
4	Additively manufactured biodegradable porous zinc. <i>Acta Biomaterialia</i> , 2020, 101, 609-623.	4.1	95
5	Additively manufactured biodegradable porous metals. <i>Acta Biomaterialia</i> , 2020, 115, 29-50.	4.1	113
6	Solvent-cast 3D printing of magnesium scaffolds. <i>Acta Biomaterialia</i> , 2020, 114, 497-514.	4.1	51
7	Russian doll deployable meta-implants: Fusion of kirigami, origami, and multi-stability. <i>Materials and Design</i> , 2020, 191, 108624.	3.3	41
8	Corrosion fatigue behavior of additively manufactured biodegradable porous zinc. <i>Acta Biomaterialia</i> , 2020, 106, 439-449.	4.1	38
9	Additively manufactured functionally graded biodegradable porous zinc. <i>Biomaterials Science</i> , 2020, 8, 2404-2419.	2.6	50
10	Additively manufactured functionally graded biodegradable porous iron. <i>Acta Biomaterialia</i> , 2019, 96, 646-661.	4.1	120
11	Biodegradation-affected fatigue behavior of additively manufactured porous magnesium. <i>Additive Manufacturing</i> , 2019, 28, 299-311.	1.7	34
12	Corrosion fatigue behavior of additively manufactured biodegradable porous iron. <i>Corrosion Science</i> , 2019, 156, 106-116.	3.0	51
13	Semianalytical Geometry-Property Relationships for Some Generalized Classes of Pentamode-like Additively Manufactured Mechanical Metamaterials. <i>Physical Review Applied</i> , 2019, 11, .	1.5	28
14	From microstructural design to surface engineering: A tailored approach for improving fatigue life of additively manufactured meta-biomaterials. <i>Acta Biomaterialia</i> , 2019, 83, 153-166.	4.1	79
15	Compressive and fatigue behavior of functionally graded Ti-6Al-4V meshes fabricated by electron beam melting. <i>Acta Materialia</i> , 2018, 150, 1-15.	3.8	166
16	Fatigue and quasi-static mechanical behavior of bio-degradable porous biomaterials based on magnesium alloys. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1798-1811.	2.1	26
17	Isolated and modulated effects of topology and material type on the mechanical properties of additively manufactured porous biomaterials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 79, 254-263.	1.5	88
18	Additively manufactured biodegradable porous magnesium. <i>Acta Biomaterialia</i> , 2018, 67, 378-392.	4.1	273

#	ARTICLE	IF	CITATIONS
19	Fatigue performance of additively manufactured meta-biomaterials: The effects of topology and material type. <i>Acta Biomaterialia</i> , 2018, 65, 292-304.	4.1	144
20	Additively manufactured biodegradable porous iron. <i>Acta Biomaterialia</i> , 2018, 77, 380-393.	4.1	185
21	Effects of laser processing parameters on the mechanical properties, topology, and microstructure of additively manufactured porous metallic biomaterials: A vector-based approach. <i>Materials and Design</i> , 2017, 134, 234-243.	3.3	44
22	Preparation and Rheo-Die Casting of Semi-Solid A356 Aluminum Alloy Slurry through a Serpentine Pouring Channel. <i>Solid State Phenomena</i> , 2012, 192-193, 404-409.	0.3	5