

# Eva Jablonska

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,153  
citations

623188

14  
h-index

552369

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure, mechanical characteristics and in vitro degradation, cytotoxicity, genotoxicity and mutagenicity of novel biodegradable Zn–Mg alloys. <i>Materials Science and Engineering C</i> , 2016, 58, 24-35.	3.8	245
2	Promising characteristics of gradient porosity Ti-6Al-4V alloy prepared by SLM process. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 69, 368-376.	1.5	161
3	Highly porous, low elastic modulus 316L stainless steel scaffold prepared by selective laser melting. <i>Materials Science and Engineering C</i> , 2016, 69, 631-639.	3.8	148
4	Cancer Cells Microsurgery <i>via</i> Asymmetric Bent Surface Au/Ag/Ni Microrobotic Scalpels Through a Transversal Rotating Magnetic Field. <i>ACS Nano</i> , 2020, 14, 8247-8256.	7.3	92
5	Microstructural, mechanical, corrosion and cytotoxicity characterization of the hot forged FeMn30(wt.%) alloy. <i>Materials Science and Engineering C</i> , 2016, 58, 900-908.	3.8	59
6	A novel high-strength and highly corrosive biodegradable Fe-Pd alloy: Structural, mechanical and in vitro corrosion and cytotoxicity study. <i>Materials Science and Engineering C</i> , 2017, 79, 550-562.	3.8	55
7	Influence of surface pre-treatment on the cytocompatibility of a novel biodegradable ZnMg alloy. <i>Materials Science and Engineering C</i> , 2016, 68, 198-204.	3.8	48
8	Preparation and characterization of porous zinc prepared by spark plasma sintering as a material for biodegradable scaffolds. <i>Materials Chemistry and Physics</i> , 2018, 203, 249-258.	2.0	46
9	Effect of equal channel angular pressing on in vitro degradation of LAE442 magnesium alloy. <i>Materials Science and Engineering C</i> , 2017, 73, 736-742.	3.8	44
10	Test conditions can significantly affect the results of in vitro cytotoxicity testing of degradable metallic biomaterials. <i>Scientific Reports</i> , 2021, 11, 6628.	1.6	43
11	Corrosion behaviour and cell interaction of Ti-6Al-4V alloy prepared by two techniques of 3D printing. <i>Materials Science and Engineering C</i> , 2018, 93, 911-920.	3.8	40
12	A review of <i>in vitro</i> cell culture testing methods for bioactive glasses and other biomaterials for hard tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10941-10953.	2.9	30
13	Mechanical, corrosion and biological properties of advanced biodegradable Mg–MgF <sub>2</sub> and WE43-MgF <sub>2</sub> composite materials prepared by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2020, 825, 154016.	2.8	28
14	Corrosion and mechanical properties of a novel biomedical WN43 magnesium alloy prepared by spark plasma sintering. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 853-853.	5.5	17
15	Novel Approach in the Use of Plasma Spray: Preparation of Bulk Titanium for Bone Augmentations. <i>Materials</i> , 2017, 10, 987.	1.3	14
16	Titania sol-gel coatings containing silver on newly developed TiSi alloys and their antibacterial effect. <i>Materials Science and Engineering C</i> , 2017, 76, 25-30.	3.8	13
17	Thermal Plasma Spraying as a New Approach for Preparation of Zinc Biodegradable Scaffolds: A Complex Material Characterization. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 826-841.	1.6	13
18	A two-phase gradual silver release mechanism from a nanostructured TiAlV surface as a possible antibacterial modification in implants. <i>Bioelectrochemistry</i> , 2019, 127, 26-34.	2.4	9

#	ARTICLE	IF	CITATIONS
19	High strength AM50 magnesium alloy as a material for possible stent application in medicine. <i>Materials Technology</i> , 2019, 34, 838-842.	1.5	8
20	Titania-based sol-gel coatings with Ag, CaP applied on titanium substrate developed for implantation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 115-124.	1.6	7
21	Biodegradable WE43 Magnesium Alloy Produced by Selective Laser Melting: Mechanical Properties, Corrosion Behavior, and In-Vitro Cytotoxicity. <i>Metals</i> , 2022, 12, 469.	1.0	7
22	Influence of the surface etching on the corrosion behaviour of a three-dimensional printed Ti-6Al-4V alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 1691-1696.	0.8	6
23	Mechanical properties, corrosion behaviour and biocompatibility of TiNbTaSn for dentistry. <i>Materials Research Express</i> , 2020, 7, 015403.	0.8	6
24	Development of Adhesive, Bioactive and Antibacterial Titania Sol-Gel Coating on Titanium Substrate by Dip-Coating Technique. <i>Coatings</i> , 2021, 11, 243.	1.2	6
25	Microstructural, Mechanical, Corrosion and Cytotoxicity Characterization of Porous Ti-Si Alloys with Pore-Forming Agent. <i>Materials</i> , 2020, 13, 5607.	1.3	4
26	Interrelation of Microstructure and Corrosion Resistance in Biodegradable Magnesium Alloys with Aluminum, Lithium and Rare Earth Additions. <i>Acta Physica Polonica A</i> , 2015, 128, 491-497.	0.2	4