

Maksym Pogorielov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

525
citations

13
h-index

21
g-index

57
ext. papers

753
ext. citations

4.3
avg, IF

3.99
L-index

#	Paper	IF	Citations
46	Plasma electrolytic oxidation of Zr-Ti-Nb alloy in phosphate-formate-EDTA electrolyte. <i>Electrochimica Acta</i> , 2022 , 140375	6.7	1
45	Impact of Electrospinning Parameters and Post-Treatment Method on Antibacterial and Antibiofilm Activity of Chitosan Nanofibers. <i>Molecules</i> , 2022 , 27, 3343	4.8	0
44	MXenes-A New Class of Two-Dimensional Materials: Structure, Properties and Potential Applications.. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
43	Investigation of AC Electrical Properties of MXene-PCL Nanocomposites for Application in Small and Medium Power Generation. <i>Energies</i> , 2021 , 14, 7123	3.1	2
42	Bioactivity Performance of Pure Mg after Plasma Electrolytic Oxidation in Silicate-Based Solutions. <i>Molecules</i> , 2021 , 26,	4.8	2
41	Hemostatic and Tissue Regeneration Performance of Novel Electrospun Chitosan-Based Materials. <i>Biomedicines</i> , 2021 , 9,	4.8	5
40	Effects of the sources of calcium and phosphorus on the structural and functional properties of ceramic coatings on titanium dental implants produced by plasma electrolytic oxidation. <i>Materials Science and Engineering C</i> , 2021 , 119, 111607	8.3	18
39	Hemostatic performance and biocompatibility of chitosan-based agents in experimental parenchymal bleeding. <i>Materials Science and Engineering C</i> , 2021 , 120, 111740	8.3	6
38	Combination of Chlorhexidine and Silver Nanoparticles: an Efficient Wound Infection and Healing Control System. <i>BioNanoScience</i> , 2021 , 11, 256-268	3.4	2
37	In vitro evaluation of electrochemically bioactivated Ti6Al4V 3D porous scaffolds. <i>Materials Science and Engineering C</i> , 2021 , 121, 111870	8.3	7
36	Development, characterization and antimicrobial properties of silver nanoparticles loaded chitosan-alginate sponges for biomedical application. <i>Journal of Materials Research</i> , 2021 , 36, 3267	2.5	1
35	Biocompatibility and electron microscopy studies of epitaxial nanolaminate (Al _{0.5} Ti _{0.5})N/ZrN coatings deposited by Arc-PVD technique. <i>Ceramics International</i> , 2021 , 47, 34648-34648	5.1	1
34	New Zr-Ti-Nb Alloy for Medical Application: Development, Chemical and Mechanical Properties, and Biocompatibility. <i>Materials</i> , 2020 , 13,	3.5	18
33	Bio-functionalization of Electrospun Polymeric Nanofibers by Ti ₃ C ₂ T _x MXene 2020 ,		2
32	Plasma Electrolytic Oxidation of the Titanium-Zirconium Alloy (Zr ₆₀ Nb ₂₁ Ti ₁₉) for Dental Implant. <i>Springer Proceedings in Physics</i> , 2020 , 83-93	0.2	
31	Nanostructured Hemostatic Sponges Made from Chitosan: Structural and Biological Evaluation. <i>Springer Proceedings in Physics</i> , 2020 , 95-110	0.2	1
30	Plasma Electrolytic Oxidation of TiZr Alloy in ZnONPs-Contained Solution: Structural and Biological Assessment. <i>Springer Proceedings in Physics</i> , 2020 , 75-82	0.2	2

29	Single-walled carbon nanotubes loaded hydroxyapatite-alginate beads with enhanced mechanical properties and sustained drug release ability. <i>Progress in Biomaterials</i> , 2020 , 9, 1-14	4.4	6
28	Fast LIPSS based texturing process of dental implants with complex geometries. <i>CIRP Annals - Manufacturing Technology</i> , 2020 , 69, 233-236	4.9	5
27	Biological Characterization of Silver-Doped Anodic Oxide Coating on Titanium. <i>Materials</i> , 2020 , 13,	3.5	7
26	Low-frequency ultrasound increase effectiveness of silver nanoparticles in a purulent wound model. <i>Biomedical Engineering Letters</i> , 2020 , 10, 621-631	3.6	1
25	Biocompatibility and Antibacterial Properties of ZnO-Incorporated Anodic Oxide Coatings on TiZrNb Alloy. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
24	Formation of a Bacteriostatic Surface on ZrNb Alloy via Anodization in a Solution Containing Cu Nanoparticles. <i>Materials</i> , 2020 , 13,	3.5	7
23	Cell and tissue response to nanotextured Ti6Al4V and Zr implants using high-speed femtosecond laser-induced periodic surface structures. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 21, 102036	6	30
22	Kinetically Deposited Copper Antimicrobial Surfaces. <i>Coatings</i> , 2019 , 9, 257	2.9	19
21	Chitosan-Based Bioactive Hemostatic Agents with Antibacterial Properties-Synthesis and Characterization. <i>Molecules</i> , 2019 , 24,	4.8	35
20	Chemical and Structural Characterization of Sandlasted Surface of Dental Implant using ZrO ₂ Particle with Different Shape. <i>Coatings</i> , 2019 , 9, 223	2.9	4
19	Ag Nanoparticle-Decorated Oxide Coatings Formed via Plasma Electrolytic Oxidation on ZrNb Alloy. <i>Materials</i> , 2019 , 12,	3.5	13
18	Osteoblast Cell Response to LIPSS-Modified Ti-Implants. <i>Key Engineering Materials</i> , 2019 , 813, 322-327	0.4	3
17	In vitro degradation and in vivo toxicity of NanoMatrix3D polycaprolactone and poly(lactic acid) nanofibrous scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2200-2212	5.4	14
16	Antibacterial Activity of In Situ Prepared Chitosan/Silver Nanoparticles Solution Against Methicillin-Resistant Strains of Staphylococcus aureus. <i>Nanoscale Research Letters</i> , 2018 , 13, 71	5	25
15	PLA Nanofibrous Scaffolds for Full Thickness Wound Healing. <i>Problems of Cryobiology and Cryomedicine</i> , 2018 , 28, 069-073	0.4	
14	Effect of Ultrasound Treatment on Chitosan-Silver Nanoparticles Antimicrobial Activity 2018 ,		3
13	2018 ,		1
12	Degradation and In Vivo Response of Hydroxyapatite-Coated Mg Alloy. <i>Coatings</i> , 2018 , 8, 375	2.9	17

11	Experimental evaluation of new chitin-chitosan graft for duraplasty. <i>Journal of Materials Science: Materials in Medicine</i> , 2017 , 28, 34	4.5	11
10	Magnesium-based biodegradable alloys: Degradation, application, and alloying elements. <i>Interventional Medicine & Applied Science</i> , 2017 , 9, 27-38	0.7	45
9	In- vitro and in -vivo degradation studies of freeze gelated porous chitosan composite scaffolds for tissue engineering applications. <i>Polymer Degradation and Stability</i> , 2017 , 136, 31-38	4.7	49
8	Antibacterial activity of the new copper nanoparticles and Cu NPs/chitosan solution 2017 ,		10
7	Synthesis and characterization of hydroxyapatite-gelatine composite materials for orthopaedic application. <i>Materials Chemistry and Physics</i> , 2016 , 183, 93-100	4.4	10
6	Dielectric and electric properties of new chitosan-hydroxyapatite materials for biomedical application: Dielectric spectroscopy and corona treatment. <i>Carbohydrate Polymers</i> , 2016 , 151, 770-778	10.3	9
5	Cell and Tissue Response to Modified by Laser-induced Periodic Surface Structures Biocompatible Materials for Dental Implants 2016 ,		1
4	Haemostatic chitosan coated gauze: in vitro interaction with human blood and in-vivo effectiveness. <i>Biomaterials Research</i> , 2015 , 19, 22	16.8	26
3	Trace Element Status (Iron, Zinc, Copper, Chromium, Cobalt, and Nickel) in Iron-Deficiency Anaemia of Children under 3 Years. <i>Anemia</i> , 2014 , 2014, 718089	1.6	31
2	Characterization and in vivo evaluation of chitosan-hydroxyapatite bone scaffolds made by one step coprecipitation method. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 96, 639-47	5.4	57
1	Functional and biological characterization of chitosan electrospun nanofibrous membrane nucleated with silver nanoparticles. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	3