

Krzysztof PaÅ,ka

List of Publications by Year in descending order

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37
papers

781
citations

566801

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h-index

525886

27
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37
all docs

37
docs citations

37
times ranked

1063
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous Titanium Implants: A Review. <i>Advanced Engineering Materials</i> , 2018, 20, 1700648.	1.6	173
2	Biomedical potential of chitosan/HA and chitosan/ β -1,3-glucan/HA biomaterials as scaffolds for bone regeneration – A comparative study. <i>Materials Science and Engineering C</i> , 2016, 58, 891-899.	3.8	58
3	In vitro studies of nanosilver-doped titanium implants for oral and maxillofacial surgery. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4285-4297.	3.3	57
4	Nanomaterials in dentistry: a cornerstone or a black box?. <i>Nanomedicine</i> , 2018, 13, 639-667.	1.7	44
5	Superabsorbent curdlan-based foam dressings with typical hydrocolloids properties for highly exuding wound management. <i>Materials Science and Engineering C</i> , 2021, 124, 112068.	3.8	38
6	Elastic and biodegradable chitosan/agarose film revealing slightly acidic pH for potential applications in regenerative medicine as artificial skin graft. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 172-183.	3.6	36
7	Fluorapatite ceramics for bone tissue regeneration: Synthesis, characterization and assessment of biomedical potential. <i>Materials Science and Engineering C</i> , 2020, 116, 111211.	3.8	34
8	Chitosan/ β -1,3-glucan/calcium phosphate ceramics composites – Novel cell scaffolds for bone tissue engineering application. <i>Journal of Biotechnology</i> , 2014, 182-183, 46-53.	1.9	33
9	Micro-CT analysis and mechanical properties of Ti spherical and polyhedral void composites made with saccharose as a space holder material. <i>Materials Characterization</i> , 2015, 100, 13-20.	1.9	33
10	Novel synthesis method combining a foaming agent with freeze-drying to obtain hybrid highly macroporous bone scaffolds. <i>Journal of Materials Science and Technology</i> , 2020, 43, 52-63.	5.6	33
11	Development and Optimization of the Novel Fabrication Method of Highly Macroporous Chitosan/Agarose/Nanohydroxyapatite Bone Scaffold for Potential Regenerative Medicine Applications. <i>Biomolecules</i> , 2019, 9, 434.	1.8	27
12	Polydopamine-coated curdlan hydrogel as a potential carrier of free amino group-containing molecules. <i>Carbohydrate Polymers</i> , 2021, 256, 117524.	5.1	21
13	Highly Porous and Superabsorbent Biomaterial Made of Marine-Derived Polysaccharides and Ascorbic Acid as an Optimal Dressing for Exuding Wound Management. <i>Materials</i> , 2021, 14, 1211.	1.3	21
14	Finite element analysis of thermo-mechanical loaded teeth. <i>Computational Materials Science</i> , 2012, 64, 289-294.	1.4	20
15	Curdlan-Based Hydrogels for Potential Application as Dressings for Promotion of Skin Wound Healing – Preliminary In Vitro Studies. <i>Materials</i> , 2021, 14, 2344.	1.3	20
16	Compression Behavior of Ti Foams with Spherical and Polyhedral Pores. <i>Advanced Engineering Materials</i> , 2016, 18, 1511-1518.	1.6	15
17	Porous Curdlan-Based Hydrogels Modified with Copper Ions as Potential Dressings for Prevention and Management of Bacterial Wound Infection – An In Vitro Assessment. <i>Polymers</i> , 2020, 12, 1893.	2.0	15
18	New method for the fabrication of highly osteoconductive β -1,3-glucan/HA scaffold for bone tissue engineering: Structural, mechanical, and biological characterization. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 2528-2536.	2.1	11

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19	Ion-exchanging dialysis as an effective method for protein entrapment in curdlan hydrogel. <i>Materials Science and Engineering C</i> , 2019, 105, 110025.	3.8	11
20	New approach in evaluation of ceramic-polymer composite bioactivity and biocompatibility. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5747-5755.	1.9	10
21	Highly Porous Fluorapatite/β-1,3-Glucan Composite for Bone Tissue Regeneration: Characterization and In-Vitro Assessment of Biomedical Potential. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10414.	1.8	9
22	Corrosion Properties of Ti Scaffolds Prepared with Sucrose as a Space Holder. <i>Solid State Phenomena</i> , 0, 227, 519-522.	0.3	8
23	New method for HA/glucan bone scaffold preparation reduces cytotoxic effect of highly reactive bioceramics. <i>Materials Letters</i> , 2017, 190, 213-216.	1.3	8
24	Behavior of new hydroxyapatite/glucan composite in human serum. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2653-2664.	1.6	6
25	Efficient non-contact heat generation on flexible, ternary hydroxyapatite/curdlan/nanomagnetite hybrids for temperature controlled processes. <i>Materials Science and Engineering C</i> , 2021, 118, 111360.	3.8	6
26	Gypsum-related compensation of ions uptake by highly porous hydroxyapatite ceramics “ Consequences for osteoblasts growth and proliferation. <i>Materials Science and Engineering C</i> , 2022, 133, 112665.	3.8	6
27	Improved Fracture Toughness and Conversion Degree of Resin-Based Dental Composites after Modification with Liquid Rubber. <i>Materials</i> , 2020, 13, 2704.	1.3	5
28	Do Ca ²⁺ -adsorbing ceramics reduce the release of calcium ions from gypsum-based biomaterials?. <i>Materials Science and Engineering C</i> , 2015, 47, 256-265.	3.8	4
29	The Effect of Liquid Rubber Addition on the Physicochemical Properties, Cytotoxicity, and Ability to Inhibit Biofilm Formation of Dental Composites. <i>Materials</i> , 2021, 14, 1704.	1.3	4
30	The influence of nitrogen ion implantation on microhardness of the Stellite 6 alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 148, 012046.	0.3	3
31	Microstructure and Interconnections Characteristics of Titanium Foam. <i>Key Engineering Materials</i> , 2016, 687, 25-32.	0.4	3
32	Effect of Recasted Material Addition on the Quality of Metal-Ceramic Bond: A Macro-, Micro-, and Nanostudy. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-8.	1.0	3
33	Unexpected reaction of new HAp/glucan composite to environmental acidification: Defect or advantage?. , 2017, 105, 1178-1190.		2
34	Ti6Al7Nb Alloy Laser Micromachining-Surface Properties. , 2018, , .		2
35	Analysis of the Carbon Content Effect on the Microstructure and Thermal Behavior of Cobalt-Matrix Dental Alloy. <i>International Journal of Metalcasting</i> , 2020, 14, 528-537.	1.5	1
36	Effect of artificial saliva on the mechanical properties of a polymer material reinforced with fiber, used in esthetic tooth restorations. <i>Dental and Medical Problems</i> , 2020, 57, 261-267.	0.7	1

#	ARTICLE	IF	CITATIONS
37	Nanomaterials in the Treatment and Prevention of Oral Infections. Environmental Chemistry for A Sustainable World, 2021, , 225-243.	0.3	0