Krzysztof PaÅ‚ka

List of Publications by Year
in descending order

37 papers	781 citations	566801 15 h-index	525886 27 g-index
37 all docs	37 docs citations	37 times ranked	1063 citing authors

#	Article	IF	Citations
1	Gypsum-related compensation of ions uptake by highly porous hydroxyapatite ceramics â€“ Consequences for osteoblasts growth and proliferation. Materials Science and Engineering C, 2022, 133, 112665.	3.8	6
2	Efficient non-contact heat generation on flexible, ternary hydroxyapatite/curdlan/nanomagnetite hybrids for temperature controlled processes. Materials Science and Engineering C, 2021, 118, 111360.	3.8	6
3	Nanomaterials in the Treatment and Prevention of Oral Infections. Environmental Chemistry for A Sustainable World, 2021, , 225-243.	0.3	0
4	Polydopamine-coated curdlan hydrogel as a potential carrier of free amino group-containing molecules. Carbohydrate Polymers, 2021, 256, 117524.	5.1	21
5	The Effect of Liquid Rubber Addition on the Physicochemical Properties, Cytotoxicity, and Ability to Inhibit Biofilm Formation of Dental Composites. Materials, 2021, 14, 1704.	1.3	4
6	Highly Porous and Superabsorbent Biomaterial Made of Marine-Derived Polysaccharides and Ascorbic Acid as an Optimal Dressing for Exuding Wound Management. Materials, 2021, 14, 1211.	1.3	21
7	Curdlan-Based Hydrogels for Potential Application as Dressings for Promotion of Skin Wound Healingâ€”Preliminary In Vitro Studies. Materials, 2021, 14, 2344.	1.3	20
8	Superabsorbent curdlan-based foam dressings with typical hydrocolloids properties for highly exuding wound management. Materials Science and Engineering C, 2021, 124, 112068.	3.8	38
9	Highly Porous Fluorapatite/Î²-1,3-Glucan Composite for Bone Tissue Regeneration: Characterization and In-Vitro Assessment of Biomedical Potential. International Journal of Molecular Sciences, 2021, 22, 10414.	1.8	9
10	Analysis of the Carbon Content Effect on the Microstructure and Thermal Behavior of Cobalt-Matrix Dental Alloy. International Journal of Metalcasting, 2020, 14, 528-537.	1.5	1
11	Novel synthesis method combining a foaming agent with freeze-drying to obtain hybrid highly macroporous bone scaffolds. Journal of Materials Science and Technology, 2020, 43, 52-63.	5.6	33
12	Fluorapatite ceramics for bone tissue regeneration: Synthesis, characterization and assessment of biomedical potential. Materials Science and Engineering C, 2020, 116, 111211.	3.8	34
13	Elastic and biodegradable chitosan/agarose film revealing slightly acidic pH for potential applications in regenerative medicine as artificial skin graft. International Journal of Biological Macromolecules, 2020, 164, 172-183.	3.6	36
14	Porous Curdlan-Based Hydrogels Modified with Copper Ions as Potential Dressings for Prevention and Management of Bacterial Wound Infectionâ€”An In Vitro Assessment. Polymers, 2020, 12, 1893.	2.0	15
15	Improved Fracture Toughness and Conversion Degree of Resin-Based Dental Composites after Modification with Liquid Rubber. Materials, 2020, 13, 2704.	1.3	5
16	Effect of artificial saliva on the mechanical properties of a polymer material reinforced with fiber, used in esthetic tooth restorations. Dental and Medical Problems, 2020, 57, 261-267.	0.7	1
17	Ion-exchanging dialysis as an effective method for protein entrapment in curdlan hydrogel. Materials Science and Engineering C, 2019, 105, 110025.	3.8	11
18	Development and Optimization of the Novel Fabrication Method of Highly Macroporous Chitosan/Agarose/Nanohydroxyapatite Bone Scaffold for Potential Regenerative Medicine Applications. Biomolecules, 2019, 9, 434.	1.8	27

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19	Behavior of new hydroxyapatite/glucan composite in human serum. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2653-2664.	1.6	6
20	Nanomaterials in dentistry: a cornerstone or a black box?. Nanomedicine, 2018, 13, 639-667.	1.7	44
21	Porous Titanium Implants: A Review. Advanced Engineering Materials, 2018, 20, 1700648.	1.6	173
22	Ti6Al7Nb Alloy Laser Micromachining-Surface Properties. , 2018, , .		2
23	Effect of Recasted Material Addition on the Quality of Metal-Ceramic Bond: A Macro-, Micro-, and Nanostudy. Advances in Materials Science and Engineering, 2018, 2018, 1-8.	1.0	3
24	Unexpected reaction of new HAp/glucan composite to environmental acidification: Defect or advantage?. , 2017, 105, 1178-1190.		2
25	New method for HA/glucan bone scaffold preparation reduces cytotoxic effect of highly reactive bioceramics. Materials Letters, 2017, 190, 213-216.	1.3	8
26	New approach in evaluation of ceramic-polymer composite bioactivity and biocompatibility. Analytical and Bioanalytical Chemistry, 2017, 409, 5747-5755.	1.9	10
27	In vitro studies of nanosilver-doped titanium implants for oral and maxillofacial surgery. International Journal of Nanomedicine, 2017, Volume 12, 4285-4297.	3.3	57
28	The influence of nitrogen ion implantation on microhardness of the Stellite 6 alloy. IOP Conference Series: Materials Science and Engineering, 2016, 148, 012046.	0.3	3
29	New method for the fabrication of highly osteoconductive Î²â€1,3â€glucan/HA scaffold for bone tissue engineering: Structural, mechanical, and biological characterization. Journal of Biomedical Materials Research - Part A, 2016, 104, 2528-2536.	2.1	11
30	Compression Behavior of Ti Foams with Spherical and Polyhedral Pores. Advanced Engineering Materials, 2016, 18, 1511-1518.	1.6	15
31	Microstructure and Interconnections Characteristics of Titanium Foam. Key Engineering Materials, 2016, 687, 25-32.	0.4	3
32	Biomedical potential of chitosan/HA and chitosan/Î²-1,3-glucan/HA biomaterials as scaffolds for bone regeneration â€" A comparative study. Materials Science and Engineering C, 2016, 58, 891-899.	3.8	58
33	Do Ca2+-adsorbing ceramics reduce the release of calcium ions from gypsum-based biomaterials?. Materials Science and Engineering C, 2015, 47, 256-265.	3.8	4
34	Micro-CT analysis and mechanical properties of Ti spherical and polyhedral void composites made with saccharose as a space holder material. Materials Characterization, 2015, 100, 13-20.	1.9	33
35	Chitosan/Î²-1,3-glucan/calcium phosphate ceramics compositesâ€"Novel cell scaffolds for bone tissue engineering application. Journal of Biotechnology, 2014, 182-183, 46-53.	1.9	33
36	Finite element analysis of thermo-mechanical loaded teeth. Computational Materials Science, 2012, 64, 289-294.	1.4	20

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37	Corrosion Properties of Ti Scaffolds Prepared with Sucrose as a Space Holder. Solid State Phenomena, 0, 227, 519-522.	0.3	8