

Agata Przekora

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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.

60
papers

883
citations

18
h-index

25
g-index

71
ext. papers

1,309
ext. citations

5.6
avg, IF

5.66
L-index

#	Paper	IF	Citations
60	The summary of the most important cell-biomaterial interactions that need to be considered during in vitro biocompatibility testing of bone scaffolds for tissue engineering applications. <i>Materials Science and Engineering C</i> , 2019 , 97, 1036-1051	8.3	82
59	Current Trends in Fabrication of Biomaterials for Bone and Cartilage Regeneration: Materials Modifications and Biophysical Stimulations. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	44
58	Novel chitosan/agarose/hydroxyapatite nanocomposite scaffold for bone tissue engineering applications: comprehensive evaluation of biocompatibility and osteoinductivity with the use of osteoblasts and mesenchymal stem cells. <i>International Journal of Nanomedicine</i> , 2019 , 14, 6615-6630	7.3	42
57	Biomedical potential of chitosan/HA and chitosan/β1,3-glucan/HA biomaterials as scaffolds for bone regeneration--A comparative study. <i>Materials Science and Engineering C</i> , 2016 , 58, 891-9	8.3	41
56	Enhanced differentiation of osteoblastic cells on novel chitosan/β1,3-glucan/bioceramic scaffolds for bone tissue regeneration. <i>Biomedical Materials (Bristol)</i> , 2015 , 10, 015009	3.5	38
55	A Concise Review on Tissue Engineered Artificial Skin Grafts for Chronic Wound Treatment: Can We Reconstruct Functional Skin Tissue In Vitro?. <i>Cells</i> , 2020 , 9,	7.9	33
54	Hybrid chitosan/β1,3-glucan matrix of bone scaffold enhances osteoblast adhesion, spreading and proliferation via promotion of serum protein adsorption. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 045001	3.5	30
53	Chitosan/β1,3-glucan/calcium phosphate ceramics composites--novel cell scaffolds for bone tissue engineering application. <i>Journal of Biotechnology</i> , 2014 , 182-183, 46-53	3.7	29
52	Evaluation of the potential of chitosan/β1,3-glucan/hydroxyapatite material as a scaffold for living bone graft production in vitro by comparison of ADSC and BMDSC behaviour on its surface. <i>Biomedical Materials (Bristol)</i> , 2017 , 12, 015030	3.5	28
51	In vitro evaluation of the risk of inflammatory response after chitosan/HA and chitosan/β1,3-glucan/HA bone scaffold implantation. <i>Materials Science and Engineering C</i> , 2016 , 61, 355-61	8.3	27
50	Osteoconductive and Osteoinductive Surface Modifications of Biomaterials for Bone Regeneration: A Concise Review. <i>Coatings</i> , 2020 , 10, 971	2.9	23
49	The Effect of Combining Natural Terpenes and Antituberculous Agents against Reference and Clinical Mycobacterium tuberculosis Strains. <i>Molecules</i> , 2018 , 23,	4.8	21
48	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	9.1	20
47	Antimycobacterial Activity of Cinnamaldehyde in a (H37Ra) Model. <i>Molecules</i> , 2018 , 23,	4.8	20
46	Titanium coated with functionalized carbon nanotubes--a promising novel material for biomedical application as an implantable orthopaedic electronic device. <i>Materials Science and Engineering C</i> , 2014 , 45, 287-96	8.3	19
45	Biological Response to Macroporous Chitosan-Agarose Bone Scaffolds Comprising Mg- and Zn-Doped Nano-Hydroxyapatite. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	18
44	Fabrication of multi-walled carbon nanotube layers with selected properties via electrophoretic deposition: physicochemical and biological characterization. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	18

43	Synthesis and in vitro antiproliferative and antibacterial activity of new thiazolidine-2,4-dione derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 17-24	5.6	18
42	Fabrication and physicochemical characterization of porous composite microgranules with selenium oxyanions and risedronate sodium for potential applications in bone tumors. <i>International Journal of Nanomedicine</i> , 2017 , 12, 5633-5642	7.3	17
41	Do novel cement-type biomaterials reveal ion reactivity that affects cell viability in vitro?. <i>Open Life Sciences</i> , 2014 , 9, 277-289	1.2	16
40	Evaluation of antibacterial activity and cytocompatibility of β -TCP based bone cements with silver-doped hydroxyapatite and CaCO_3 . <i>Ceramics International</i> , 2017 , 43, 13997-14007	5.1	16
39	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	7.9	16
38	Spectroscopic studies on the temperature-dependent molecular arrangements in hybrid chitosan/1,3- β -D-glucan polymeric matrices. <i>International Journal of Biological Macromolecules</i> , 2020 , 159, 911-921	7.9	15
37	Addition of 1,3- β -D-glucan to chitosan-based composites enhances osteoblast adhesion, growth, and proliferation. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 474-81	7.9	14
36	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,	5.9	13
35	Fluorapatite ceramics for bone tissue regeneration: Synthesis, characterization and assessment of biomedical potential. <i>Materials Science and Engineering C</i> , 2020 , 116, 111211	8.3	13
34	Design, synthesis and antimycobacterial activity of thiazolidine-2,4-dione-based thiosemicarbazone derivatives. <i>Bioorganic Chemistry</i> , 2020 , 97, 103676	5.1	12
33	The cytotoxicity assessment of the novel latex urinary catheter with prolonged antimicrobial activity. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 98, 222-8	5.4	12
32	Modifications of Wound Dressings with Bioactive Agents to Achieve Improved Pro-Healing Properties. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4114	2.6	12
31	Superabsorbent curdlan-based foam dressings with typical hydrocolloids properties for highly exuding wound management. <i>Materials Science and Engineering C</i> , 2021 , 124, 112068	8.3	12
30	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, 2528-36	5.4	10
29	The use of calcium ions instead of heat treatment for β 1,3-glucan gelation improves biocompatibility of the β 1,3-glucan/HA bone scaffold. <i>Carbohydrate Polymers</i> , 2017 , 164, 170-178	10.3	9
28	The effect of low temperature atmospheric nitrogen plasma on MC3T3-E1 preosteoblast proliferation and differentiation in vitro. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 275401	3	9
27	Collagen maturity and mineralization in mesenchymal stem cells cultured on the hydroxyapatite-based bone scaffold analyzed by ATR-FTIR spectroscopic imaging. <i>Materials Science and Engineering C</i> , 2021 , 119, 111634	8.3	9
26	Chitosan/ β 1,3-glucan/hydroxyapatite bone scaffold enhances osteogenic differentiation through TNF- β mediated mechanism. <i>Materials Science and Engineering C</i> , 2017 , 73, 225-233	8.3	7

25	Biological properties of novel chitosan-based composites for medical application as bone substitute. <i>Open Life Sciences</i> , 2014 , 9, 634-641	1.2	7
24	Biological safety evaluation of the modified urinary catheter. <i>Materials Science and Engineering C</i> , 2015 , 49, 274-280	8.3	7
23	Synthesis and antimycobacterial activity of thiazolidine-2,4-dione based derivatives with halogenbenzohydrazones and pyridinecarbohydrazones substituents. <i>European Journal of Medicinal Chemistry</i> , 2020 , 189, 112045	6.8	7
22	Application of Advanced Nanomaterials for Kidney Failure Treatment and Regeneration. <i>Materials</i> , 2021 , 14,	3.5	7
21	The Chitosan/Agarose/NanoHA Bone Scaffold-Induced M2 Macrophage Polarization and Its Effect on Osteogenic Differentiation In Vitro. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
20	New method for HA/glucan bone scaffold preparation reduces cytotoxic effect of highly reactive bioceramics. <i>Materials Letters</i> , 2017 , 190, 213-216	3.3	6
19	Cellular Response to Vitamin C-Enriched Chitosan/Agarose Film with Potential Application as Artificial Skin Substitute for Chronic Wound Treatment. <i>Cells</i> , 2020 , 9,	7.9	6
18	The Effect of Autologous Adipose Tissue-Derived Mesenchymal Stem Cells Therapy in the Treatment of Chronic Posttraumatic Spinal Cord Injury in a Domestic Ferret Patient. <i>Cell Transplantation</i> , 2020 , 29, 963689720928982	4	6
17	Effect of Gelation Temperature on the Molecular Structure and Physicochemical Properties of the Curdlan Matrix: Spectroscopic and Microscopic Analyses. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
16	Ex vivo determination of chitosan/curdlan/hydroxyapatite biomaterial osseointegration with the use of human trabecular bone explant: New method for biocompatibility testing of bone implants reducing animal tests. <i>Materials Science and Engineering C</i> , 2021 , 119, 111612	8.3	6
15	Comparison of osteogenic differentiation ability between bone marrow-derived mesenchymal stem cells and adipose tissue-derived mesenchymal stem cells. <i>Medycyna Ogólna i Nauki o Zdrowiu</i> , 2018 , 24, 101-106	1.6	5
14	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,	3.5	5
13	Positive Effect of Cold Atmospheric Nitrogen Plasma on the Behavior of Mesenchymal Stem Cells Cultured on a Bone Scaffold Containing Iron Oxide-Loaded Silica Nanoparticles Catalyst. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
12	Catalytic enrichment of plasma with hydroxyl radicals in the aqueous phase at room temperature. <i>Catalysis Science and Technology</i> , 2021 , 11, 1430-1442	5.5	4
11	Molecular bottlebrush with pH-responsive cleavable bonds as a unimolecular vehicle for anticancer drug delivery. <i>Materials Science and Engineering C</i> , 2021 , 130, 112439	8.3	4
10	Surface Chemical and Morphological Analysis of Chitosan/1,3-β-D-Glucan Polysaccharide Films Cross-Linked at 90 °C. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5953	6.3	4
9	A simple and effective protocol for fast isolation of human Tenon's fibroblasts from a single trabeculectomy biopsy - a comparison of cell behaviour in different culture media. <i>Cellular and Molecular Biology Letters</i> , 2017 , 22, 5	8.1	3
8	The Chemical and Biological Properties of Nanohydroxyapatite Coatings with Antibacterial Nanometals, Obtained in the Electrophoretic Process on the Ti13Zr13Nb Alloy. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3

7	Poly(levodopa)-modified β -glucan as a candidate for wound dressings. <i>Carbohydrate Polymers</i> , 2021 , 272, 118485	10.3	2
6	Improved Fracture Toughness and Conversion Degree of Resin-Based Dental Composites after Modification with Liquid Rubber. <i>Materials</i> , 2020 , 13,	3.5	1
5	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 , 112665	8.2	1
4	Bioengineered Living Bone Grafts-A Concise Review on Bioreactors and Production Techniques In Vitro.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
3	Fractionation of Lycopodiaceae Alkaloids and Evaluation of Their Anticholinesterase and Cytotoxic Activities. <i>Molecules</i> , 2021 , 26,	4.8	1
2	Physicochemical changes of the chitosan/ β ,3-glucan/hydroxyapatite biocomposite caused by mesenchymal stem cells cultured on its surface in vitro. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 251, 119439	4.4	1
1	Stimuli-responsive vitamin E-based micelles: Effective drug carriers with a controlled anticancer drug release. <i>Polymer</i> , 2022 , 253, 125001	3.9	