Agata Przekora

List of Publications by Year in Descending Order

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	Gypsum-related compensation of ions uptake by highly porous hydroxyapatite ceramics - Consequences for osteoblasts growth and proliferation.. *Materials Science and Engineering C*, **2022**, 112663	8.3	1
59	Bioengineered Living Bone Grafts-A Concise Review on Bioreactors and Production Techniques In Vitro.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
58	Surface Chemical and Morphological Analysis of Chitosan/1,3-β-d-Glucan Polysaccharide Films Cross-Linked at 90 °C. *International Journal of Molecular Sciences*, **2022**, 23, 5953	6.3	4
57	Stimuli-responsive vitamin E-based micelles: Effective drug carriers with a controlled anticancer drug release. *Polymer*, **2022**, 253, 125001	3.9	
56	Fractionation of Lycopodiaceae Alkaloids and Evaluation of Their Anticholinesterase and Cytotoxic Activities. *Molecules*, **2021**, 26,	4.8	1
55	The Chemical and Biological Properties of Nanohydroxyapatite Coatings with Antibacterial Nanometals, Obtained in the Electrophoretic Process on the Ti13Zr13Nb Alloy. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
54	Highly Porous and Superabsorbent Biomaterial Made of Marine-Derived Polysaccharides and Ascorbic Acid as an Optimal Dressing for Exuding Wound Management. *Materials*, **2021**, 14,	3.5	5
53	Modifications of Wound Dressings with Bioactive Agents to Achieve Improved Pro-Healing Properties. *Applied Sciences (Switzerland)*, **2021**, 11, 4114	2.6	12
52	Physicochemical changes of the chitosan/β1,3-glucan/hydroxyapatite biocomposite caused by mesenchymal stem cells cultured on its surface in vitro. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 251, 119439	4.4	1
51	Superabsorbent curdlan-based foam dressings with typical hydrocolloids properties for highly exuding wound management. *Materials Science and Engineering C*, **2021**, 124, 112068	8.3	12
50	Application of Advanced Nanomaterials for Kidney Failure Treatment and Regeneration. *Materials*, **2021**, 14,	3.5	7
49	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. *Materials Science and Engineering C*, **2021**, 119, 111612	8.3	6
48	Catalytic enrichment of plasma with hydroxyl radicals in the aqueous phase at room temperature. *Catalysis Science and Technology*, **2021**, 11, 1430-1442	5.5	4
47	Collagen maturity and mineralization in mesenchymal stem cells cultured on the hydroxyapatite-based bone scaffold analyzed by ATR-FTIR spectroscopic imaging. *Materials Science and Engineering C*, **2021**, 119, 111634	8.3	9
46	Molecular bottlebrush with pH-responsive cleavable bonds as a unimolecular vehicle for anticancer drug delivery. *Materials Science and Engineering C*, **2021**, 130, 112439	8.3	4
45	Poly(levodopa)-modified β-glucan as a candidate for wound dressings. *Carbohydrate Polymers*, **2021**, 272, 118485	10.3	2
44	The Chitosan/Agarose/NanoHA Bone Scaffold-Induced M2 Macrophage Polarization and Its Effect on Osteogenic Differentiation In Vitro. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	7

43	Cellular Response to Vitamin C-Enriched Chitosan/Agarose Film with Potential Application as Artificial Skin Substitute for Chronic Wound Treatment. *Cells*, **2020**, 9,	7.9	6
42	Improved Fracture Toughness and Conversion Degree of Resin-Based Dental Composites after Modification with Liquid Rubber. *Materials*, **2020**, 13,	3.5	1
41	A Concise Review on Tissue Engineered Artificial Skin Grafts for Chronic Wound Treatment: Can We Reconstruct Functional Skin Tissue In Vitro?. *Cells*, **2020**, 9,	7.9	33
40	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. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
39	Design, synthesis and antimycobacterial activity of thiazolidine-2,4-dione-based thiosemicarbazone derivatives. *Bioorganic Chemistry*, **2020**, 97, 103676	5.1	12
38	The Effect of Autologous Adipose Tissue-Derived Mesenchymal Stem CellsVTherapy in the Treatment of Chronic Posttraumatic Spinal Cord Injury in a Domestic Ferret Patient. *Cell Transplantation*, **2020**, 29, 963689720928982	4	6
37	Spectroscopic studies on the temperature-dependent molecular arrangements in hybrid chitosan/1,3-Đ-glucan polymeric matrices. *International Journal of Biological Macromolecules*, **2020**, 159, 911-921	7.9	15
36	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	9.1	20
35	Synthesis and antimycobacterial activity of thiazolidine-2,4-dione based derivatives with halogenbenzohydrazones and pyridinecarbohydrazones substituents. *European Journal of Medicinal Chemistry*, **2020**, 189, 112045	6.8	7
34	Osteoconductive and Osteoinductive Surface Modifications of Biomaterials for Bone Regeneration: A Concise Review. *Coatings*, **2020**, 10, 971	2.9	23
33	Fluorapatite ceramics for bone tissue regeneration: Synthesis, characterization and assessment of biomedical potential. *Materials Science and Engineering C*, **2020**, 116, 111211	8.3	13
32	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	7.9	16
31	Effect of Gelation Temperature on the Molecular Structure and Physicochemical Properties of the Curdlan Matrix: Spectroscopic and Microscopic Analyses. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
30	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. *International Journal of Nanomedicine*, **2019**, 14, 6615-6630	7.3	42
29	Development and Optimization of the Novel Fabrication Method of Highly Macroporous Chitosan/Agarose/Nanohydroxyapatite Bone Scaffold for Potential Regenerative Medicine Applications. *Biomolecules*, **2019**, 9,	5.9	13
28	Current Trends in Fabrication of Biomaterials for Bone and Cartilage Regeneration: Materials Modifications and Biophysical Stimulations. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	44
27	The effect of low temperature atmospheric nitrogen plasma on MC3T3-E1 preosteoblast proliferation and differentiation in vitro. *Journal Physics D: Applied Physics*, **2019**, 52, 275401	3	9
26	Biological Response to Macroporous Chitosan-Agarose Bone Scaffolds Comprising Mg- and Zn-Doped Nano-Hydroxyapatite. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	18

25	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. *Materials Science and Engineering C*, **2019**, 97, 1036-1051	8.3	82
24	The Effect of Combining Natural Terpenes and Antituberculous Agents against Reference and Clinical Mycobacterium tuberculosis Strains. *Molecules*, **2018**, 23,	4.8	21
23	Comparison of osteogenic differentiation ability between bone marrow-derived mesenchymal stem cells and adipose tissue-derived mesenchymal stem cells. *Medycyna Ogólna I Nauki O Zdrowiu*, **2018**, 24, 101-106	1.6	5
22	Synthesis and in vitro antiproliferative and antibacterial activity of new thiazolidine-2,4-dione derivatives. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2018**, 33, 17-24	5.6	18
21	Antimycobacterial Activity of Cinnamaldehyde in a (H37Ra) Model. *Molecules*, **2018**, 23,	4.8	20
20	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. *Biomedical Materials (Bristol)*, **2017**, 12, 015030	3.5	28
19	New method for HA/glucan bone scaffold preparation reduces cytotoxic effect of highly reactive bioceramics. *Materials Letters*, **2017**, 190, 213-216	3.3	6
18	The use of calcium ions instead of heat treatment for β1,3-glucan gelation improves biocompatibility of the β1,3-glucan/HA bone scaffold. *Carbohydrate Polymers*, **2017**, 164, 170-178	10.3	9
17	Chitosan/β1,3-glucan/hydroxyapatite bone scaffold enhances osteogenic differentiation through TNF-α mediated mechanism. *Materials Science and Engineering C*, **2017**, 73, 225-233	8.3	7
16	Evaluation of antibacterial activity and cytocompatibility of αTCP based bone cements with silver-doped hydroxyapatite and CaCO3. *Ceramics International*, **2017**, 43, 13997-14007	5.1	16
15	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. *Cellular and Molecular Biology Letters*, **2017**, 22, 5	8.1	3
14	Fabrication and physicochemical characterization of porous composite microgranules with selenium oxyanions and risedronate sodium for potential applications in bone tumors. *International Journal of Nanomedicine*, **2017**, 12, 5633-5642	7.3	17
13	Biomedical potential of chitosan/HA and chitosan/β1,3-glucan/HA biomaterials as scaffolds for bone regeneration--A comparative study. *Materials Science and Engineering C*, **2016**, 58, 891-9	8.3	41
12	In vitro evaluation of the risk of inflammatory response after chitosan/HA and chitosan/β1,3-glucan/HA bone scaffold implantation. *Materials Science and Engineering C*, **2016**, 61, 355-61	8.3	27
11	New method for the fabrication of highly osteoconductive β1,3-glucan/HA scaffold for bone tissue engineering: Structural, mechanical, and biological characterization. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 2528-36	5.4	10
10	Fabrication of multi-walled carbon nanotube layers with selected properties via electrophoretic deposition: physicochemical and biological characterization. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	18
9	Hybrid chitosan/β1,3-glucan matrix of bone scaffold enhances osteoblast adhesion, spreading and proliferation via promotion of serum protein adsorption. *Biomedical Materials (Bristol)*, **2016**, 11, 045001	3.5	30
8	Enhanced differentiation of osteoblastic cells on novel chitosan/β1,3-glucan/bioceramic scaffolds for bone tissue regeneration. *Biomedical Materials (Bristol)*, **2015**, 10, 015009	3.5	38

7	Biological safety evaluation of the modified urinary catheter. *Materials Science and Engineering C*, **2015**, 49, 274-280	8.3	7
6	Biological properties of novel chitosan-based composites for medical application as bone substitute. *Open Life Sciences*, **2014**, 9, 634-641	1.2	7
5	Do novel cement-type biomaterials reveal ion reactivity that affects cell viability in vitro?. *Open Life Sciences*, **2014**, 9, 277-289	1.2	16
4	Titanium coated with functionalized carbon nanotubes--a promising novel material for biomedical application as an implantable orthopaedic electronic device. *Materials Science and Engineering C*, **2014**, 45, 287-96	8.3	19
3	Addition of 1,3-Ð-glucan to chitosan-based composites enhances osteoblast adhesion, growth, and proliferation. *International Journal of Biological Macromolecules*, **2014**, 70, 474-81	7.9	14
2	Chitosan/Ð1,3-glucan/calcium phosphate ceramics composites--novel cell scaffolds for bone tissue engineering application. *Journal of Biotechnology*, **2014**, 182-183, 46-53	3.7	29
1	The cytotoxicity assessment of the novel latex urinary catheter with prolonged antimicrobial activity. *Journal of Biomedical Materials Research - Part A*, **2011**, 98, 222-8	5.4	12