

Bozena Tyliczszak

List of Publications by Citations

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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.

52
papers

506
citations

12
h-index

20
g-index

66
ext. papers

661
ext. citations

3.2
avg, IF

3.96
L-index

#	Paper	IF	Citations
52	Tool wear characterizations in finish turning of AISI 1045 carbon steel for MQCL conditions. <i>Wear</i> , 2017 , 372-373, 54-67	3.5	93
51	Preparation and cytotoxicity of chitosan-based hydrogels modified with silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 160, 325-330	6	47
50	Magnetic nanomaterials and sensors for biological detection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 2459-2473	6	35
49	FT-IR and FT-Raman studies of cross-linking processes with Ca ²⁺ ions, glutaraldehyde and microwave radiation for polymer composition of poly(acrylic acid)/sodium salt of carboxymethyl starch - In moulding sands, Part II. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 151, 27-33	4.4	30
48	Biodegradable self-adhesive tapes with starch carrier. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 44, 195-199	3.4	30
47	Synthesis and characterization of ceramic - polymer composites containing bioactive synthetic hydroxyapatite for biomedical applications. <i>Ceramics International</i> , 2018 , 44, 13630-13638	5.1	27
46	Novel hydrogels containing nanosilver for biomedical applications - synthesis and characterization. <i>Journal of Polymer Research</i> , 2013 , 20, 1	2.7	22
45	In vitro cytotoxicity of hydrogels based on chitosan and modified with gold nanoparticles. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	20
44	Preparation and Properties of Biodegradable Slow-Release PAA Superabsorbent Matrixes for Phosphorus Fertilizers. <i>Macromolecular Symposia</i> , 2009 , 279, 236-242	0.8	17
43	One-step synthesis of highly-biocompatible spherical gold nanoparticles using Artocarpus heterophyllus Lam. (jackfruit) fruit extract and its effect on pathogens. <i>Annals of Agricultural and Environmental Medicine</i> , 2015 , 22, 84-9	1.4	16
42	Physicochemical and biological properties of hydrogel/gelatin/hydroxyapatite PAA/G/HAp/AgNPs composites modified with silver nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 9302-11	1.3	12
41	Physicochemical Investigations of Chitosan-Based Hydrogels Containing Designed for Biomedical Use. <i>Materials</i> , 2020 , 13,	3.5	12
40	In vitro biosafety of pro-ecological chitosan-based hydrogels modified with natural substances. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2501-2511	5.4	10
39	Mechanochemical synthesis and investigations of calcium titanate powders and their acrylic dispersions. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 2259-2264	6	10
38	Review of the Applications of Biomedical Compositions Containing Hydroxyapatite and Collagen Modified by Bioactive Components. <i>Materials</i> , 2021 , 14,	3.5	10
37	Physicochemical properties and cytotoxicity of hydrogels based on Beetosan [®] containing sage and bee pollen. <i>Acta Biochimica Polonica</i> , 2017 , 64, 709-712	2	9
36	Synthesis of Control Release KH ₂ PO ₄ -Based Fertilizers with PAA Matrix Modified by PEG. <i>Molecular Crystals and Liquid Crystals</i> , 2010 , 523, 297/[869]-303/[875]	0.5	8

35	Effect of calcination parameters on behavior of bone hydroxyapatite in artificial saliva and its biosafety. <i>Materials Chemistry and Physics</i> , 2018 , 206, 158-165	4.4	7
34	Measurement methodology toward determination of structure-property relationships in acrylic hydrogels with starch and nanogold designed for biomedical applications. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 156, 107608	4.6	6
33	Comparison of Hydrogels Based on Commercial Chitosan and Beetosan Containing Nanosilver. <i>Molecules</i> , 2016 , 22,	4.8	6
32	Bioactivity tests of calcium phosphates with variant molar ratios of main components. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 1941-1950	5.4	6
31	Stabilization of ceramics particles with anionic polymeric dispersants. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 9312-8	1.3	5
30	Investigations on the impact of the introduction of the Aloe vera into the hydrogel matrix on cytotoxic and hydrophilic properties of these systems considered as potential wound dressings. <i>Materials Science and Engineering C</i> , 2021 , 123, 111977	8.3	5
29	Composites Based on Hydroxyapatite and Whey Protein Isolate for Applications in Bone Regeneration. <i>Materials</i> , 2021 , 14,	3.5	5
28	Thermoanalytical tests (TGA, DSC, Py-GC/MS) of foundry binders on the example of polymer composition of poly(acrylic acid)/sodium carboxymethylcellulose. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 4427-4436	4.1	4
27	Azacarbazole n-3 and n-6 polyunsaturated fatty acids ethyl esters nanoemulsion with enhanced efficacy against. <i>Bioactive Materials</i> , 2021 , 6, 1163-1174	16.7	4
26	Investigation on Green Synthesis, Biocompatibility, and Antibacterial Activity of Silver Nanoparticles Prepared Using. <i>Materials</i> , 2021 , 14,	3.5	4
25	Preparation, characterization, and in vitro cytotoxicity of chitosan hydrogels containing silver nanoparticles. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 1665-1676	3.5	3
24	Beetosan [®] -Based Hydrogels Modified with Natural Substances. <i>Journal of Renewable Materials</i> , 2017 , 5, 174-179	2.4	3
23	Gold Nanoparticles As A Modifying Agent of Ceramic-Polymer Composites. <i>Archives of Metallurgy and Materials</i> , 2014 , 59, 1005-1009		3
22	Animal-derived chitosans. Characteristics, comparison, application Chitozany zwierzęce. Charakterystyka, porównanie, wykorzystanie. <i>Przemysł Chemiczny</i> , 2016 , 1, 205-208	1.8	3
21	Hydroxyapatite Obtained via the Wet Precipitation Method and PVP/PVA Matrix as Components of Polymer-Ceramic Composites for Biomedical Applications. <i>Molecules</i> , 2021 , 26,	4.8	3
20	Hydrogels containing caffeine and based on Beetosan [®] /proecological chitosan /preparation, characterization, and in vitro cytotoxicity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019 , 68, 931-935	3	3
19	Acrylates in Dental Applications 2017 ,		2
18	Smart, self-repair polymers based on acryloyl-6-aminocaproic acid and modified with magnetic nanoparticles/preparation and characterization. <i>International Journal of Polymer Analysis and Characterization</i> , 2018 , 23, 226-235	1.7	2

17	Assessment of cytotoxicity and immune compatibility of phytochemicals-mediated biosynthesised silver nanoparticles using. <i>IET Nanobiotechnology</i> , 2019 , 13, 726-735	2	2
16	The Synthesis Methodology of PEGylated FeO@Ag Nanoparticles Supported by Their Physicochemical Evaluation. <i>Molecules</i> , 2021 , 26,	4.8	2
15	Manufacturing of Titanium and Its Alloys. <i>Studies in Systems, Decision and Control</i> , 2020 , 61-74	0.8	2
14	Organic Polymers Reinforced Inorganic Polymers - An Overview. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 416, 012090	0.4	2
13	Multistep Chemical Processing of Crickets Leading to the Extraction of Chitosan Used for Synthesis of Polymer Drug Carriers. <i>Materials</i> , 2021 , 14,	3.5	2
12	Molecular Dynamic (MD) Simulations of Organic Modified Montmorillonite. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 314	2.6	2
11	Studies on Bone-Derived Calcium Phosphate Materials. <i>Journal of Renewable Materials</i> , 2017 , 5, 180-188	2.4	1
10	Mechanochemical Synthesis of BaTiO Powders and Evaluation of Their Acrylic Dispersions. <i>Materials</i> , 2020 , 13,	3.5	1
9	Impact of N-Alkylamino Substituents on Serotonin Receptor (5-HTR) Affinity and Phosphodiesterase 10A (PDE10A) Inhibition of Isoindole-1,3-dione Derivatives. <i>Molecules</i> , 2020 , 25,	4.8	1
8	Synthesis, characterization, and in vitro cytotoxicity of chitosan hydrogels containing nanogold. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019 , 68, 175-182	3	1
7	Sustainable Production of Chitosan. <i>Studies in Systems, Decision and Control</i> , 2020 , 45-60	0.8	1
6	Starch Solutions Prepared under Different Conditions as Modifiers of Chitosan/Poly(aspartic acid)-Based Hydrogels. <i>Materials</i> , 2021 , 14,	3.5	1
5	Physicochemical Characteristics of Chitosan-Based Hydrogels Modified with L. (Horsetail) Extract in View of Their Usefulness as Innovative Dressing Materials.. <i>Materials</i> , 2021 , 14,	3.5	1
4	Dispersion and stability of tricalcium phosphate powders in polyacrylate dispersions. <i>Micro and Nano Letters</i> , 2013 , 8, 39-42	0.9	
3	Hydroxyapatite powders prepared using two different methods as modifying agents of PVP/collagen composites designed for biomedical applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 1-11	3	
2	Investigations on the poly(hydroxybutyric acid)-based hydrogels containing gold nanoparticles. <i>International Journal of Polymer Analysis and Characterization</i> , 2021 , 26, 381-395	1.7	
1	Polymer/ceramic biocomposites based on PVP/histidine/hydroxyapatite for hard tissue engineering applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 1-13	3	