Ewa Stodolak-Zych

List of Publications by Year in Descending Order

59 papers	864 citations	13 h-index	28 g-index
60 ext. papers	983 ext. citations	3.1 avg, IF	4.36 L-index

#	Paper	IF	Citations
59	The influence of surface chemical composition of particles of boron carbide powders on their biological properties. *Applied Surface Science*, **2022**, 152380	6.7	0
58	Assessment of sheep knee joint after ACL replacement with Achilles tendon autograft and PLA-based implant. *Journal of the Mechanical Behavior of Biomedical Materials*, **2022**, 125, 104923	4.1	2
57	Effect of Ionic and Non-Ionic Surfactant on Bovine Serum Albumin Encapsulation and Biological Properties of Emulsion-Electrospun Fibers. *Molecules*, **2022**, 27, 3232	4.8	1
56	Effects of Montmorillonite and Gentamicin Addition on the Properties of Electrospun Polycaprolactone Fibers. *Materials*, **2021**, 14,	3.5	1
55	Microstructure and mechanical properties of diopside and anorthite glazes with high abrasion resistance. *Ceramics International*, **2021**,	5.1	1
54	How Surface Properties of Silica Nanoparticles Influence Structural, Microstructural and Biological Properties of Polymer Nanocomposites. *Materials*, **2021**, 14,	3.5	3
53	Effects of Process Parameters on Structure and Properties of Melt-Blown Poly(Lactic Acid) Nonwovens for Skin Regeneration. *Journal of Functional Biomaterials*, **2021**, 12,	4.8	7
52	Modification of chitosan fibers with short peptides as a model of synthetic extracellular matrix. *Journal of Molecular Structure*, **2020**, 1211, 128061	3.4	10
51	The crystallization and structure features of glass within the K2OMgOCaOAl2O3SiO2-(BaO) system. *Journal of Molecular Structure*, **2020**, 1220, 128747	3.4	4
50	A New Concept in Minimally Invasive Embryo Transfer. *Annals of Animal Science*, **2020**, 20, 1289-1308	2	
49	Conjugates of Copper Alginate with Arginine-Glycine-Aspartic Acid (RGD) for Potential Use in Regenerative Medicine. *Materials*, **2020**, 13,	3.5	7
48	Porous poly(lactic acid) based fibres as drug carriers in active dressings. *Acta of Bioengineering and Biomechanics*, **2020**, 22,	0.6	3
47	2D-Raman Correlation Spectroscopy Recognizes the Interaction at the Carbon Coating and Albumin Interface. *Advances in Intelligent Systems and Computing*, **2020**, 281-295	0.4	
46	Multifunctional biodegradable polymer/clay nanocomposites with antibacterial properties in drug delivery systems. *Acta of Bioengineering and Biomechanics*, **2020**, 22, 83-92	0.6	3
45	Porous poly(lactic acid) based fibres as drug carriers in active dressings. *Acta of Bioengineering and Biomechanics*, **2020**, 22, 185-197	0.6	2
44	Influence of SrO content on microstructure and crystallization of glazes in the SiO2Al2O3CaOMgOK2O system. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 4177-4186	4.1	3
43	Study on the Materials Formed by Self-Assembling Hydrophobic, Aromatic Peptides Dedicated to Be Used for Regenerative Medicine. *Chemistry and Biodiversity*, **2019**, 16, e1800543	2.5	5

42	Functionalized halloysite nanotubes as a novel efficient carrier for gentamicin. *Materials Letters*, **2019**, 243, 13-16	3.3	11
41	Bioresorbable Stent in Anterior Cruciate Ligament Reconstruction. *Polymers*, **2019**, 11,	4.5	9
40	Surface-Potential-Controlled Cell Proliferation and Collagen Mineralization on Electrospun Polyvinylidene Fluoride (PVDF) Fiber Scaffolds for Bone Regeneration. *ACS Biomaterials Science and Engineering*, **2019**, 5, 582-593	5.5	54
39	Multifunctional porous membranes with antibacterial properties. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2019**, 68, 19-26	3	3
38	Impact of a pulsed magnetic field on selected polymer implant materials. *Acta of Bioengineering and Biomechanics*, **2019**, 21, 87-96	0.6	
37	Raman studies of the interactions of fibrous carbon nanomaterials with albumin. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 196, 262-267	4.4	10
36	Search for Fibrous Aggregates Potentially Useful in Regenerative Medicine Formed under Physiological Conditions by Self-Assembling Short Peptides Containing Two Identical Aromatic Amino Acid Residues. *Molecules*, **2018**, 23,	4.8	6
35	2D correlation Raman spectroscopy of model micro- and nano-carbon layers in interactions with albumin, human and animal. *Journal of Molecular Structure*, **2018**, 1171, 587-593	3.4	4
34	Effects of Polylactide Copolymer Implants and Platelet-Rich Plasma on Bone Regeneration within a Large Calvarial Defect in Sheep. *BioMed Research International*, **2018**, 2018, 4120471	3	10
33	The membrane with polylactide and hyaluronic fibers for skin substitute. *Acta of Bioengineering and Biomechanics*, **2018**, 20, 91-99	0.6	4
32	Magnesium aluminium silicate–gentamicin complex for drug delivery systems. *Journal of Thermal Analysis and Calorimetry*, **2017**, 127, 871-880	4.1	8
31	Thermal, structural and mechanical analysis of polymer/clay nanocomposites with controlled degradation. *Journal of Thermal Analysis and Calorimetry*, **2017**, 127, 389-398	4.1	14
30	Biodegradable ceramic-polymer composites for biomedical applications: A review. *Materials Science and Engineering C*, **2017**, 71, 1175-1191	8.3	116
29	Characterisation, in vitro release study, and antibacterial activity of montmorillonite-gentamicin complex material. *Materials Science and Engineering C*, **2017**, 70, 471-478	8.3	32
28	Osteochondral Repair Using Porous Three-dimensional Nanocomposite Scaffolds in a Rabbit Model. *In Vivo*, **2017**, 31, 895-903	2.3	7
27	A model of adsorption of albumin on the implant surface titanium and titanium modified carbon coatings (MWCNT-EPD). 2D correlation analysis. *Journal of Molecular Structure*, **2016**, 1124, 61-70	3.4	13
26	Vibrational spectroscopic analysis of a metal/carbon nanotube coating interface and the effect of its interaction with albumin. *Vibrational Spectroscopy*, **2016**, 85, 185-195	2.1	9
25	Spectroscopic studies of the influence of CNTs on the thermal conversion of PAN fibrous membranes to carbon nanofibers. *Journal of Molecular Structure*, **2016**, 1126, 94-102	3.4	12

24	Effect of clay mineral on the accelerated hydrolytic degradation of polylactide in the polymer/clay nanocomposites. *Materials Letters*, **2015**, 146, 73-76	3.3	26
23	Potential of Superhydrophobic Layer on the Implant Surface. *Solid State Phenomena*, **2015**, 227, 511-514	0.4	
22	Instrumental characterization of the smectite clay–gentamicin hybrids. *Bulletin of Materials Science*, **2015**, 38, 1069-1078	1.7	21
21	Histopathological Evaluation of a Hydrophobic Terpolymer (PTFE-PVD-PP) as an Implant Material for Nonpenetrating Very Deep Sclerectomy **2015**, 56, 5203-9		3
20	Effect of the preparation methods on architecture, crystallinity, hydrolytic degradation, bioactivity, and biocompatibility of PCL/bioglass composite scaffolds. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2015**, 103, 1580-93	3.5	38
19	Non-penetrating very deep sclerectomy with a hydrophobic polymer implant in a rabbit model. *Acta of Bioengineering and Biomechanics*, **2015**, 17, 23-31	0.6	1
18	Resorbable Polymer Membranes for Medical Applications. *Journal of Biomimetics, Biomaterials, and Tissue Engineering*, **2014**, 19, 99-108		4
17	Fibrous polymeric composites based on alginate fibres and fibres made of poly-ε-caprolactone and dibutyryl chitin for use in regenerative medicine. *Molecules*, **2013**, 18, 3118-36	4.8	13
16	2D IR correlation analysis of chitosan-MMT nanocomposite system. *Vibrational Spectroscopy*, **2012**, 60, 185-188	2.1	7
15	Osteoconductive Nanocomposite Materials for Bone Regeneration. *Materials Science Forum*, **2012**, 730-732, 38-43	0.4	8
14	Bioactivity of Fibrous Polymer Based Nanocomposites for Application in Regenerative Medicine. *Materials Science Forum*, **2012**, 714, 229-236	0.4	5
13	Polymer Nanocomposite Scaffolds Modified with Carbon Nanotubes for Tissue Regeneration. *Materials Science Forum*, **2012**, 714, 245-253	0.4	4
12	Nanocomposite Polymer Scaffolds for Bone Tissue Regeneration. *Acta Physica Polonica A*, **2012**, 121, 518-521	0.6	13
11	The Study of Human Osteoblast-Like MG 63 Cells Proliferation on Resorbable Polymer-Based Nanocomposites Modified with Ceramic and Carbon Nanoparticles. *Acta Physica Polonica A*, **2012**, 121, 546-550	0.6	5
10	Synthesis of polylactide/clay composites using structurally different kaolinites and kaolinite nanotubes. *Applied Clay Science*, **2011**, 51, 102-109	5.2	88
9	Bioactivity of a Chitosan Based Nanocomposite. *Journal of Biomimetics, Biomaterials, and Tissue Engineering*, **2011**, 10, 95-106		8
8	FT-IR study of montmorillonite-chitosan nanocomposite materials. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 79, 784-8	4.4	188
7	Structural Characterization of Chitosan-Clay Nanocomposite **2010**,		1

6	In vivo biocompatibility assessment of (PTFE-PVDF-PP) terpolymer-based membrane with potential application for glaucoma treatment. *Journal of Materials Science: Materials in Medicine*, **2010**, 21, 2843-51	4.5	11
5	A composite material used as a membrane for ophthalmology applications. *Composites Science and Technology*, **2010**, 70, 1915-1919	8.6	11
4	In vitro biofilms formation on polymer matrix composites. *Journal of Molecular Structure*, **2009**, 924-926, 562-566	3.4	2
3	Nanocomposite fibres for medical applications. *Journal of Molecular Structure*, **2009**, 924-926, 208-213	3.4	19
2	Polymer-ceramic nanocomposites for applications in the bone surgery. *Journal of Physics: Conference Series*, **2009**, 146, 012026	0.3	2
1	One-Pot Synthesis of 3,4-Dihydro-2H-pyrido[1,2-a][1,3,5]triazin-2-one Derivatives fromN-(2?-Pyridinyl)benzoylacetamide and Nitrosobenzenes. *Synthesis*, **2004**, 2004, 2975-2979	2.9	11