Beata Kaczmarek

List of Publications by Year
in descending order

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Version: 2024-02-01

73 papers	1,780 citations	331259 21 h-index	315357 38 g-index
73 all docs	73 docs citations	73 times ranked	1859 citing authors

#	Article	IF	Citations
1	Tannic Acid with Antiviral and Antibacterial Activity as A Promising Component of Biomaterialsâ€"A Minireview. Materials, 2020, 13, 3224.	1.3	224
2	Modification of collagen and chitosan mixtures by the addition of tannic acid. Journal of Molecular Liquids, 2014, 199, 318-323.	2.3	95
3	Characterization of chitosan composites with various clays. International Journal of Biological Macromolecules, 2014, 65, 534-541.	3.6	81
4	3D composites based on the blends of chitosan and collagen with the addition of hyaluronic acid. International Journal of Biological Macromolecules, 2016, 89, 442-448.	3.6	77
5	New composite materials prepared by calcium phosphate precipitation in chitosan/collagen/hyaluronic acid sponge cross-linked by EDC/NHS. International Journal of Biological Macromolecules, 2018, 107, 247-253.	3.6	67
6	The miscibility of collagen/hyaluronic acid/chitosan blends investigated in dilute solutions and solids. Journal of Molecular Liquids, 2016, 220, 726-730.	2.3	56
7	Antimicrobial activity of new materials based on the blends of collagen/chitosan/hyaluronic acid with gentamicin sulfate addition. Materials Science and Engineering C, 2018, 86, 103-108.	3.8	56
8	Surface and thermal properties of collagen/hyaluronic acid blends containing chitosan. International Journal of Biological Macromolecules, 2016, 92, 371-376.	3.6	54
9	The influence of UV-irradiation on chitosan modified by the tannic acid addition. Journal of Photochemistry and Photobiology B: Biology, 2015, 148, 333-339.	1.7	50
10	Preparation and characterization of collagen/chitosan/hyaluronic acid thin films for application in hair care cosmetics. Pure and Applied Chemistry, 2017, 89, 1829-1839.	0.9	50
11	Preparation and characterization of composites based on the blends of collagen, chitosan and hyaluronic acid with nano-hydroxyapatite. International Journal of Biological Macromolecules, 2017, 102, 658-666.	3.6	48
12	The physical and chemical properties of hydrogels based on natural polymers. , 2020, , 151-172.		45
13	In vivo study on scaffolds based on chitosan, collagen, and hyaluronic acid with hydroxyapatite. International Journal of Biological Macromolecules, 2018, 118, 938-944.	3.6	41
14	The comparison of physic-chemical properties of chitosan/collagen/hyaluronic acid composites with nano-hydroxyapatite cross-linked by dialdehyde starch and tannic acid. Polymer Testing, 2017, 62, 171-176.	2.3	39
15	The film-forming properties of chitosan with tannic acid addition. Materials Letters, 2019, 245, 22-24.	1.3	39
16	The characterization of thin films based on chitosan and tannic acid mixture for potential applications as wound dressings. Polymer Testing, 2019, 78, 106007.	2.3	38
17	Scaffolds based on chitosan and collagen with glycosaminoglycans cross-linked by tannic acid. Polymer Testing, 2018, 65, 163-168.	2.3	33
18	Improving Sodium Alginate Films Properties by Phenolic Acid Addition. Materials, 2020, 13, 2895.	1.3	33

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19	Gentamicin release from chitosan and collagen composites. Journal of Drug Delivery Science and Technology, 2016, 35, 353-359.	1.4	32
20	Collagen-Based Materials Modified by Phenolic Acidsâ€"A Review. Materials, 2020, 13, 3641.	1.3	30
21	The application of chitosan/collagen/hyaluronic acid sponge cross-linked by dialdehyde starch addition as a matrix for calcium phosphate in situ precipitation. International Journal of Biological Macromolecules, 2018, 107, 470-477.	3.6	29
22	Influence of glycosaminoglycans on the properties of thin films based on chitosan/collagen blends. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 80, 189-193.	1.5	22
23	Chitosan/collagen blends with inorganic and organic additiveâ€"A review. Advances in Polymer Technology, 2018, 37, 2367-2376.	0.8	22
24	Surface and antibacterial properties of thin films based on collagen and thymol. Materials Today Communications, 2020, 22, 100949.	0.9	22
25	Nanosilver-loaded PMMA bone cement doped with different bioactive glasses â€“ evaluation of cytocompatibility, antibacterial activity, and mechanical properties. Biomaterials Science, 2021, 9, 3112-3126.	2.6	22
26	The role of microorganisms in biodegradation of chitosan/tannic acid materials. International Journal of Biological Macromolecules, 2021, 184, 584-592.	3.6	21
27	Magneto-thermal response of Fe3O4@CTAB nanoparticles for cancer hyperthermia applications. Materials Today Communications, 2021, 28, 102583.	0.9	19
28	Mechanical and Morphological Studies of Chitosan/Clay Composites. Molecular Crystals and Liquid Crystals, 2014, 590, 193-198.	0.4	18
29	Superhydrophilic nanostructured surfaces of beta Ti 29Nb alloy for cardiovascular stent applications. Surface and Coatings Technology, 2020, 396, 125965.	2.2	18
30	The mechanical properties and bactericidal degradation effectiveness of tannic acid-based thin films for wound care. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 110, 103916.	1.5	18
31	The Physicochemical and Antibacterial Properties of Chitosan-Based Materials Modified with Phenolic Acids Irradiated by UVC Light. International Journal of Molecular Sciences, 2021, 22, 6472.	1.8	18
32	Modification of Collagen Properties with Ferulic Acid. Materials, 2020, 13, 3419.	1.3	17
33	Collagen-based scaffolds enriched with glycosaminoglycans isolated from skin of Salmo salar fish. Polymer Testing, 2017, 62, 132-136.	2.3	16
34	Characterization of scaffolds based on chitosan and collagen with glycosaminoglycans and sodium alginate addition. Polymer Testing, 2018, 68, 229-232.	2.3	16
35	Characterization of gelatin and chitosan scaffolds cross-linked by addition of dialdehyde starch. Biomedical Materials (Bristol), 2018, 13, 015016.	1.7	16
36	InÂvivo studies of novel scaffolds with tannic acid addition. Polymer Degradation and Stability, 2018, 158, 26-30.	2.7	15

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37	Preparation and Characterization of Fish Skin Collagen Material Modified with Î²-Glucan as Potential Wound Dressing. Materials, 2021, 14, 1322.	1.3	14
38	Biological Properties of Chitosan/Collagen Composites. Key Engineering Materials, 0, 587, 205-210.	0.4	13
39	Physico-chemical properties of three-component mixtures based on chitosan, hyaluronic acid and collagen. Molecular Crystals and Liquid Crystals, 2016, 640, 21-29.	0.4	13
40	Modification of 3D materials based on chitosan and collagen blends by sodium alginate. Molecular Crystals and Liquid Crystals, 2016, 640, 39-45.	0.4	13
41	Physicochemical properties of scaffolds based on mixtures of chitosan, collagen and glycosaminoglycans with nano-hydroxyapatite addition. International Journal of Biological Macromolecules, 2018, 118, 1880-1883.	3.6	13
42	Development of tannic acid-enriched materials modified by poly(ethylene glycol) for potential applications as wound dressing. Progress in Biomaterials, 2020, 9, 115-123.	1.8	13
43	<scp>CCR</scp>5 gene polymorphism affects the risk of Gv<scp>HD</scp> after haematopoietic stem cell transplantation from an unrelated donor. British Journal of Haematology, 2015, 171, 285-288.	1.2	12
44	The cells viability study on the composites of chitosan and collagen with glycosaminoglycans isolated from fish skin. Materials Letters, 2017, 206, 166-168.	1.3	12
45	The Preparation and Characterization of Chitosan-Based Hydrogels Cross-Linked by Glyoxal. Materials, 2021, 14, 2449.	1.3	12
46	Drug Release from Porous Matrixes based on Natural Polymers. Current Pharmaceutical Biotechnology, 2017, 18, 721-729.	0.9	12
47	Novel Eco-Friendly Tannic Acid-Enriched Hydrogels-Preparation and Characterization for Biomedical Application. Materials, 2020, 13, 4572.	1.3	11
48	Microbial degradation of polyhydroxybutyrate with embedded polyhexamethylene guanidine derivatives. International Journal of Biological Macromolecules, 2021, 187, 309-318.	3.6	11
49	The physicochemical properties of 3D materials based on hyaluronic acid modified by tannic acid addition. Molecular Crystals and Liquid Crystals, 2018, 670, 90-96.	0.4	10
50	Normal and cancer cells response on the thin films based on chitosan and tannic acid. Toxicology in Vitro, 2020, 62, 104688.	1.1	10
51	Chitosan-based films enriched by caffeic acid with poly(ethylene glycol) â€“ A physicochemical and antibacterial properties evaluation. International Journal of Biological Macromolecules, 2021, 192, 728-735.	3.6	10
52	CHARACTERISATION OF CHITOSAN AFTER CROSS-LINKING BY TANNIC ACID. Progress on Chemistry and Application of Chitin and Its Derivatives, 2014, 19, 135-138.	0.1	9
53	The Physicochemical, Antioxidant, and Color Properties of Thin Films Based on Chitosan Modified by Different Phenolic Acids. Coatings, 2022, 12, 126.	1.2	9
54	Biopolymer Blends as Potential Biomaterials and Cosmetic Materials. Key Engineering Materials, 0, 583, 95-100.	0.4	8

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55	Evaluation of Polymeric Matrix Loaded with Melatonin for Wound Dressing. International Journal of Molecular Sciences, 2021, 22, 5658.	1.8	8
56	The Characterization of Scaffolds Based on Dialdehyde Chitosan/Hyaluronic Acid. Materials, 2021, 14, 4993.	1.3	8
57	Characterization of Collagen/Beta Glucan Hydrogels Crosslinked with Tannic Acid. Polymers, 2021, 13, 3412.	2.0	7
58	Assessment of Melatonin-Cultured Collagen/Chitosan Scaffolds Cross-Linked by a Glyoxal Solution as Biomaterials for Wound Healing. Antioxidants, 2022, 11, 570.	2.2	7
59	Properties and Characterization of Chitosan/Collagen/PMMA Composites Containing Hydroxyapatite. Key Engineering Materials, 0, 672, 247-256.	0.4	6
60	Design, characterization and in vitro evaluation of thin films enriched by tannic acid complexed by Fe(III) ions. Progress in Biomaterials, 2020, 9, 249-257.	1.8	6
61	Bio-studies of scaffolds based on chitosan/tannic acid cross-linked by glyoxal. Materials Letters, 2021, 292, 129667.	1.3	6
62	L-ascorbic acid release from polymeric matrixes based on blends of chitosan, collagen and hyaluronic acid. Molecular Crystals and Liquid Crystals, 2016, 640, 46-53.	0.4	5
63	Study of silver nanoparticle-loaded auxetic polyurethane foams for medical cushioning applications. Polymer Bulletin, 0, , 1.	1.7	5
64	Beneficial effect of the CXCL12-3â€²A variant for patients undergoing hematopoietic stem cell transplantation from unrelated donors. Cytokine, 2015, 76, 182-186.	1.4	4
65	Characterization of scaffolds based on chitosan and collagen with glycosaminoglycans. International Journal of Polymer Analysis and Characterization, 2019, 24, 374-380.	0.9	3
66	Study of castor oilâ€based auxetic polyurethane foams for cushioning applications. Polymer International, 2021, 70, 1631-1639.	1.6	3
67	Scaffolds Loaded with Dialdehyde Chitosan and Collagenâ€”Their Physico-Chemical Properties and Biological Assessment. Polymers, 2022, 14, 1818.	2.0	3
68	The Study of Physicochemical Properties and Blood Compatibility of Sodium Alginate-Based Materials via Tannic Acid Addition. Materials, 2021, 14, 4905.	1.3	2
69	Properties of scaffolds based on chitosan and collagen with bioglass 45S5. IET Nanobiotechnology, 2020, 14, 830-832.	1.9	2
70	The influence of UV-irradiation on the poly(vinyl alcohol)/hyaluronic acid film properties. Molecular Crystals and Liquid Crystals, 2019, 680, 85-95.	0.4	1
71	Spectroscopic studies of UV-irradiated poly(vinyl alcohol)/elastin blends. International Journal of Polymer Analysis and Characterization, 2021, 26, 84-96.	0.9	1
72	The Preparation and Characterization of Emulsions with the Addition of Tannic Acid and Gallic Acid. Current Cosmetic Science, 2022, 1, .	0.1	1

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73	The Isolation of Glycosaminoglycans from Fish Eyeballs and Their Potential Application. , 2019, , 403-412.		0