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List of Publications by Year
in descending order

52	2,365	201674	206112
papers	citations	27 h-index	48 g-index

52	52	52	2615
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and properties of dialdehyde carboxymethyl cellulose crosslinked gelatin edible films. Food Hydrocolloids, 2012, 27, 22-29.	10.7	270
2	Periodate oxidation of xanthan gum and its crosslinking effects on gelatin-based edible films. Food Hydrocolloids, 2014, 39, 243-250.	10.7	184
3	Biological properties of dialdehyde carboxymethyl cellulose crosslinked gelatinâ€“PEG composite hydrogel fibers for wound dressings. Carbohydrate Polymers, 2016, 137, 508-514.	10.2	141
4	Facile Fabrication of Biocompatible Gelatin-Based Self-Healing Hydrogels. ACS Applied Polymer Materials, 2019, 1, 1350-1358.	4.4	120
5	Temperature induced denaturation of collagen in acidic solution. Biopolymers, 2007, 86, 282-287.	2.4	111
6	Fabrication of Antibacterial Collagen-Based Composite Wound Dressing. ACS Sustainable Chemistry and Engineering, 2018, 6, 9153-9166.	6.7	110
7	Development of active rosmarinic acid-gelatin biodegradable films with antioxidant and long-term antibacterial activities. Food Hydrocolloids, 2018, 83, 308-316.	10.7	106
8	Preparation, characterization and antibacterial activity of oxidized Îº-carrageenan. Carbohydrate Polymers, 2017, 174, 1051-1058.	10.2	89
9	Ultrasonic irradiation in the enzymatic extraction of collagen. Ultrasonics Sonochemistry, 2009, 16, 605-609.	8.2	85
10	Preparation, physicochemical characterization and release behavior of the inclusion complex of trans -anethole and Î²-cyclodextrin. Food Research International, 2015, 74, 55-62.	6.2	76
11	Development and characterization of dialdehyde xanthan gum crosslinked gelatin based edible films incorporated with amino-functionalized montmorillonite. Food Hydrocolloids, 2015, 51, 129-135.	10.7	62
12	Ringâ€opening polymerization of genipin and its longâ€range crosslinking effect on collagen hydrogel. Journal of Biomedical Materials Research - Part A, 2013, 101A, 385-393.	4.0	55
13	pH-Responsive nanoparticles based on cholesterol/imidazole modified oxidized-starch for targeted anticancer drug delivery. Carbohydrate Polymers, 2020, 233, 115858.	10.2	53
14	Effects of carboxyl and aldehyde groups on the antibacterial activity of oxidized amylose. Carbohydrate Polymers, 2018, 192, 118-125.	10.2	52
15	Emulsion Template Method for the Fabrication of Gelatin-Based Scaffold with a Controllable Pore Structure. ACS Applied Materials & Interfaces, 2019, 11, 269-277.	8.0	51
16	Fabrication of Polypyrrole-Grafted Gelatin-Based Hydrogel with Conductive, Self-Healing, and Injectable Properties. ACS Applied Polymer Materials, 2020, 2, 3016-3023.	4.4	46
17	Freezingâ€“thawing effects on the properties of dialdehyde carboxymethyl cellulose crosslinked gelatin-MMT composite films. Food Hydrocolloids, 2013, 33, 273-279.	10.7	45
18	Synthesis of silver nanoparticles using oxidized amylose and combination with curcumin for enhanced antibacterial activity. Carbohydrate Polymers, 2020, 230, 115573.	10.2	45

#	Article	IF	Citations
19	Development of Antimicrobial and Controlled Biodegradable Gelatin-Based Edible Films Containing Nisin and Amino-Functionalized Montmorillonite. Food and Bioprocess Technology, 2017, 10, 1727-1736.	4.7	42
20	Development of Disulfide Bond Crosslinked Gelatin/Îµ-Polylysine Active Edible Film with Antibacterial and Antioxidant Activities. Food and Bioprocess Technology, 2020, 13, 577-588.	4.7	41
21	Using oxidized amylose as carrier of linalool for the development of antibacterial wound dressing. Carbohydrate Polymers, 2017, 174, 1095-1105.	10.2	35
22	Synthesis of oxidized Î²-cyclodextrin with high aqueous solubility and broad-spectrum antimicrobial activity. Carbohydrate Polymers, 2017, 177, 97-104.	10.2	33
23	Development of Antimicrobial Gelatin-Based Edible Films by Incorporation of Trans-Anethole/Î²-Cyclodextrin Inclusion Complex. Food and Bioprocess Technology, 2017, 10, 1844-1853.	4.7	32
24	Dihydromyricetin-Loaded Pickering Emulsions Stabilized by Dialdehyde Cellulose Nanocrystals for Preparation of Antioxidant Gelatinâ€“Based Edible Films. Food and Bioprocess Technology, 2021, 14, 1648-1661.	4.7	32
25	Oxidized amylose with high carboxyl content: A promising solubilizer and carrier of linalool for antimicrobial activity. Carbohydrate Polymers, 2016, 154, 13-19.	10.2	31
26	Green synthesis of Îº-carrageenan@Ag submicron-particles with high aqueous stability, robust antibacterial activity and low cytotoxicity. Materials Science and Engineering C, 2020, 106, 110185.	7.3	31
27	Antibacterial dialdehyde sodium alginate/Îµ-polylysine microspheres for fruit preservation. Food Chemistry, 2022, 387, 132885.	8.2	31
28	pH-Sensitive nanoparticles based on amphiphilic imidazole/cholesterol modified hydroxyethyl starch for tumor chemotherapy. Carbohydrate Polymers, 2022, 277, 118827.	10.2	30
29	Comparative study of the effects of anatase and rutile titanium dioxide nanoparticles on the structure and properties of waterborne polyurethane. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 470, 92-99.	4.7	29
30	Freezing/thawing effects on the exfoliation of montmorillonite in gelatinâ€based bionanocomposite. Journal of Applied Polymer Science, 2013, 128, 3141-3148.	2.6	25
31	Preparation and characterization of dialdehyde Î²-cyclodextrin with broad-spectrum antibacterial activity. Food Research International, 2018, 111, 237-243.	6.2	22
32	Development of Microspheres Based on Thiol-Modified Sodium Alginate for Intestinal-Targeted Drug Delivery. ACS Applied Bio Materials, 2019, 2, 5810-5818.	4.6	21
33	Functionalization of an Electroactive Self-Healing Polypyrrole-Grafted Gelatin-Based Hydrogel by Incorporating a Polydopamine@AgNP Nanocomposite. ACS Applied Bio Materials, 2021, 4, 5797-5808.	4.6	19
34	Crosslinking effect of dialdehyde cholesterol modified starch nanoparticles on collagen hydrogel. Carbohydrate Polymers, 2022, 285, 119237.	10.2	19
35	Molecular weight effects of PEG on the crystal structure and photocatalytic activities of PEG-capped TiO₂ nanoparticles. RSC Advances, 2016, 6, 83366-83372.	3.6	17
36	Effect of oxidation level on the inclusion capacity and solution stability of oxidized amylose in aqueous solution. Carbohydrate Polymers, 2016, 138, 41-48.	10.2	16

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37	Oxidized starch cross-linked porous collagen-based hydrogel for spontaneous agglomeration growth of adipose-derived stem cells. Materials Science and Engineering C, 2020, 116, 111165.	7.3	15
38	Fabrication of oxidized sodium alginate-collagen heterogeneous bilayer barrier membrane with osteogenesis-promoting ability. International Journal of Biological Macromolecules, 2022, 202, 55-67.	7.5	15
39	Shortâ€range and longâ€range crossâ€linking effects of polygenipin on gelatinâ€based composite materials. Journal of Biomedical Materials Research - Part A, 2016, 104, 2712-2722.	4.0	14
40	Controlling the Pore Structure of Collagen Sponge by Adjusting the Cross-Linking Degree for Construction of Heterogeneous Double-Layer Bone Barrier Membranes. ACS Applied Bio Materials, 2020, 3, 2058-2067.	4.6	14
41	Matrix metalloproteinase-responsive collagen-oxidized hyaluronic acid injectable hydrogels for osteoarthritic therapy. , 2022, 137, 212804.		13
42	Acclimation to a broad range of nitrate strength on a euryhaline marine microalga Tetraselmis subcordiformis for photosynthetic nitrate removal and high-quality biomass production. Science of the Total Environment, 2021, 781, 146687.	8.0	12
43	Proteoglycans in the periodontium: A review with emphasis on specific distributions, functions, and potential applications. Journal of Periodontal Research, 2021, 56, 617-632.	2.7	12
44	Stability Enhanced Pickering Emulsions Based on Gelatin and Dialdehyde Starch Nanoparticles as Simple Strategy for Structuring Liquid Oils. Food and Bioprocess Technology, 2021, 14, 1600-1610.	4.7	10
45	Functionalization of an Injectable Self-Healing pH-Responsive Hydrogel by Incorporating a Curcumin/Polymerized Î²-Cyclodextrin Inclusion Complex for Selective Toxicity to Osteosarcoma. ACS Applied Polymer Materials, 2022, 4, 1243-1254.	4.4	10
46	¹³¹I-Labeled Silk Fibroin Microspheres for Radioembolic Therapy of Rat Hepatocellular Carcinoma. ACS Applied Materials & Interfaces, 2022, 14, 21848-21859.	8.0	10
47	Effects of montmorillonite on the structure and properties of gelatinâ€polyethylene glycol composite fibers. Journal of Applied Polymer Science, 2013, 129, 773-778.	2.6	9
48	Emulsion Template Fabrication of Antibacterial Gelatin-Based Scaffolds with a Preferred Microstructure for Accelerated Wound Healing. ACS Applied Polymer Materials, 2022, 4, 3885-3895.	4.4	8
49	Mimicking the Composition and Structure of the Osteochondral Tissue to Fabricate a Heterogeneous Three-Layer Scaffold for the Repair of Osteochondral Defects. ACS Applied Bio Materials, 2022, 5, 734-746.	4.6	7
50	One-Pot Approach for the Synthesis of Water-Soluble Anatase TiO₂ Nanoparticle Cluster with Efficient Visible Light Photocatalytic Activity. Journal of Physical Chemistry C, 2018, 122, 26447-26453.	3.1	6
51	Hydrothermal shrinkage behavior of pigskin. Thermochimica Acta, 2021, 699, 178896.	2.7	2
52	Comparative study of the physicochemical and photocatalytic properties of water-soluble polymer-capped TiO2 nanoparticles. Environmental Science and Pollution Research, 2018, 25, 26259-26266.	5.3	1