

Lihong Fan

List of Publications by Year in Descending Order

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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.

57
papers

1,584
citations

23
h-index

38
g-index

57
ext. papers

1,940
ext. citations

6.5
avg. IF

4.78
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 57 | Hydrogel-based microneedles of chitosan derivatives for drug delivery. <i>Reactive and Functional Polymers</i> , 2022 , 172, 105200 | 4.6 | 1 |
| 56 | Preparation and properties of O-chitosan quaternary ammonium salt/polyvinyl alcohol/graphene oxide dual self-healing hydrogel.. <i>Carbohydrate Polymers</i> , 2022 , 287, 119318 | 10.3 | 1 |
| 55 | Hydroxypropyl chitosan-based dual self-healing hydrogel for adsorption of chromium ions. <i>International Journal of Biological Macromolecules</i> , 2021 , 174, 89-100 | 7.9 | 14 |
| 54 | UV/enzyme dual responsive photosensitizer-loaded 4-(Phenylazo)benzoic Acid-mPEG nanosystem for enhanced photodynamic insecticide efficacy. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50731 | 2.9 | 1 |
| 53 | Preparation and properties of polyvinyl alcohol/N-succinyl chitosan/lincomycin composite antibacterial hydrogels for wound dressing. <i>Carbohydrate Polymers</i> , 2021 , 261, 117875 | 10.3 | 17 |
| 52 | A new antibacterial nano-system based on hematoporphyrin-carboxymethyl chitosan conjugate for enhanced photostability and photodynamic activity. <i>Carbohydrate Polymers</i> , 2021 , 269, 118242 | 10.3 | 2 |
| 51 | Preparation and characterization of carboxymethyl chitosan/collagen peptide/oxidized konjac composite hydrogel. <i>International Journal of Biological Macromolecules</i> , 2020 , 149, 31-40 | 7.9 | 25 |
| 50 | Underwater Superoleophobic and Salt-Tolerant Sodium Alginate/N-Succinyl Chitosan Composite Aerogel for Highly Efficient Oil/Water Separation. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 1124-1133 | 4.3 | 15 |
| 49 | The electrostimulation and scar inhibition effect of chitosan/oxidized hydroxyethyl cellulose/reduced graphene oxide/asiaticoside liposome based hydrogel on peripheral nerve regeneration in vitro. <i>Materials Science and Engineering C</i> , 2020 , 109, 110560 | 8.3 | 18 |
| 48 | Preparation and properties of carboxymethyl chitosan/oxidized hydroxyethyl cellulose hydrogel. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1692-1698 | 7.9 | 14 |
| 47 | Carboxymethyl chitosan-kaolinite composite hydrogel for efficient copper ions trapping. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102953 | 6.8 | 22 |
| 46 | Physically Cross-linked Hydrogels with Excellent Self-healing, Moldability, Antibacterial Activities and Adjustable Mechanical Properties. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019 , 34, 1484-1494 | 1 | 3 |
| 45 | Modification of chitosan grafted with collagen peptide by enzyme crosslinking. <i>Carbohydrate Polymers</i> , 2019 , 206, 468-475 | 10.3 | 21 |
| 44 | Preparation and characterization of carboxymethyl chitosan sulfate/oxidized konjac glucomannan hydrogels. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 1024-1031 | 7.9 | 27 |
| 43 | Preparation and characterization of C-phycocyanin peptide grafted N-succinyl chitosan by enzyme method. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 841-848 | 7.9 | 11 |
| 42 | Carboxymethyl cellulose modified graphene oxide as pH-sensitive drug delivery system. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1184-1192 | 7.9 | 80 |
| 41 | Preparation and characterization of aminated hyaluronic acid/oxidized hydroxyethyl cellulose hydrogel. <i>Carbohydrate Polymers</i> , 2018 , 199, 170-177 | 10.3 | 42 |

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| 40 | Preparation and characterization of chitosan - collagen peptide / oxidized konjac glucomannan hydrogel. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 376-382 | 7.9 | 42 |
| 39 | Enzymatic synthesis of quaternary ammonium chitosan-silk fibroin peptide copolymer and its characterization. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 1125-1131 | 7.9 | 10 |
| 38 | Hemihydrate calcium sulfate/octacalcium phosphate combined with sodium hyaluronate promotes bone marrow-derived mesenchymal stem cell osteogenesis in vitro and in vivo. <i>Drug Design, Development and Therapy</i> , 2018 , 12, 3269-3287 | 4.4 | 5 |
| 37 | Enzymatic synthesis of N-succinyl chitosan-collagen peptide copolymer and its characterization. <i>Carbohydrate Polymers</i> , 2017 , 166, 45-54 | 10.3 | 16 |
| 36 | Preparation, characterization and antioxidant activity of silk peptides grafted carboxymethyl chitosan. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 732-738 | 7.9 | 41 |
| 35 | Preparation and characterization of aminoethyl hydroxypropyl starch modified with collagen peptide. <i>International Journal of Biological Macromolecules</i> , 2017 , 101, 996-1003 | 7.9 | 4 |
| 34 | Preparation and characterization of hydroxypropyl chitosan modified with nisin. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 1017-1024 | 7.9 | 19 |
| 33 | Synthesis and in vitro antimicrobial and antioxidant activities of quaternary ammonium chitosan modified with nisin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 2034-2052 | 3.5 | 7 |
| 32 | Preparation and characterization of aminoethyl hydroxypropyl methyl cellulose modified with nisin. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 62-9 | 7.9 | 8 |
| 31 | Preparation and characterization of chitosan/gelatin/PVA hydrogel for wound dressings. <i>Carbohydrate Polymers</i> , 2016 , 146, 427-34 | 10.3 | 280 |
| 30 | Preparation and characterization of carboxymethylated carrageenan modified with collagen peptides. <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 790-7 | 7.9 | 14 |
| 29 | Preparation and characterization of oxidized konjac glucomannan/carboxymethyl chitosan/graphene oxide hydrogel. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 358-67 | 7.9 | 50 |
| 28 | Sodium alginate conjugated graphene oxide as a new carrier for drug delivery system. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 582-590 | 7.9 | 69 |
| 27 | Preparation and characterization of hydroxypropyl chitosan modified with collagen peptide. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 636-643 | 7.9 | 28 |
| 26 | Preparation and characterization of quaternary ammonium chitosan hydrogel with significant antibacterial activity. <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 830-6 | 7.9 | 79 |
| 25 | Antibacterial activity of chitosan grafting nisin: Preparation and characterization. <i>Reactive and Functional Polymers</i> , 2015 , 91-92, 71-76 | 4.6 | 27 |
| 24 | Synthesis and in vitro evaluation of a hyaluronic acid-quantum dots-melphalan conjugate. <i>Carbohydrate Polymers</i> , 2015 , 121, 132-9 | 10.3 | 16 |
| 23 | Transglutaminase-catalyzed grafting collagen on chitosan and its characterization. <i>Carbohydrate Polymers</i> , 2014 , 105, 253-9 | 10.3 | 30 |

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| 22 | Preparation of carboxymethyl cellulose sulfates and its application as anticoagulant and wound dressing. <i>International Journal of Biological Macromolecules</i> , 2014 , 66, 245-53 | 7.9 | 30 |
| 21 | Preparation and biological activity of quaternized carboxymethyl chitosan conjugated with collagen peptide. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 300-5 | 7.9 | 23 |
| 20 | Modification of carboxymethyl cellulose grafted with collagen peptide and its antioxidant activity. <i>Carbohydrate Polymers</i> , 2014 , 112, 32-8 | 10.3 | 37 |
| 19 | Sulfation of Hydroxyethyl Cellulose by N(SO ₃ Na) ₃ and the Anticoagulant Activity of Sulfated Hydroxyethyl Cellulose. <i>Journal of Carbohydrate Chemistry</i> , 2014 , 33, 171-184 | 1.7 | 2 |
| 18 | Synthesis, characterization, and anticoagulant activity of carboxymethyl starch sulfates. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 4865-4872 | 2.9 | 7 |
| 17 | Preparation and characterization of sodium alginate modified with collagen peptides. <i>Carbohydrate Polymers</i> , 2013 , 93, 380-5 | 10.3 | 42 |
| 16 | Preparation and properties of carboxymethyl κ-carrageenan/alginate blend fibers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013 , 24, 1099-111 | 3.5 | 10 |
| 15 | Preparation, characterization and the effect of carboxymethylated chitosan/cellulose derivatives hydrogels on wound healing. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 2789-2796 | 2.9 | 22 |
| 14 | Synthesis and anticoagulant activity of pectin sulfates. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 2171-2178 | 2.9 | 19 |
| 13 | Oxidized pectin cross-linked carboxymethyl chitosan: a new class of hydrogels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 2119-32 | 3.5 | 13 |
| 12 | Synthesis and anticoagulant activity of the quaternary ammonium chitosan sulfates. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 31-7 | 7.9 | 29 |
| 11 | Preparation and anticoagulant activity of N-succinyl chitosan sulfates. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 808-14 | 7.9 | 29 |
| 10 | Preparation and characterization of alginate/Hydroxypropyl chitosan blend fibers. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 829-835 | 2.9 | 16 |
| 9 | Synthesis and anticoagulant activity of sodium alginate sulfates. <i>Carbohydrate Polymers</i> , 2011 , 83, 1797-1803 | 10.3 | 82 |
| 8 | Synthesis, characterization and properties of carboxymethyl kappa carrageenan. <i>Carbohydrate Polymers</i> , 2011 , 86, 1167-1174 | 10.3 | 57 |
| 7 | The novel alginate/N-succinyl-chitosan antibacterial blend fibers. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA | 2.9 | 3 |
| 6 | Structural characterization and antimicrobial activity of chitosan (CS-40)/nisin complexes. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA | 2.9 | 2 |
| 5 | Simultaneous enhancement of the strength and elongation of polycaprolactone: The role of chitosan-graft-polycaprolactone. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 692-699 | 2.9 | 5 |

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| 4 | Effect of sonolysis on kinetics and physicochemical properties of treated chitosan. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 2417-2425 | 2.9 | 23 |
| 3 | Preparation and Properties of Chitosan/Konjac Glucomannan Blend Fibers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007 , 44, 439-443 | 2.2 | 8 |
| 2 | Structure and properties of blend fibers prepared from alginate and konjac glucomannan. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 3903-3907 | 2.9 | 18 |
| 1 | Role of Star-Like Hydroxylpropyl Lignin in Soy-Protein Plastics. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 524-530 | 3.9 | 48 |