

Xuehong Ren

List of Publications by Year in descending order

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161
papers

4,703
citations

94433

37
h-index

138484

58
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161
all docs

161
docs citations

161
times ranked

3665
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial efficacy and light stability of N-halamine siloxanes bound to cotton. <i>Cellulose</i> , 2008, 15, 593-598.	4.9	131
2	Antimicrobial coating of an N-halamine biocidal monomer on cotton fibers via admicellar polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 317, 711-716.	4.7	131
3	Release of antibiotics from electrospun bicomponent fibers. <i>Cellulose</i> , 2007, 14, 553-562.	4.9	122
4	Novel quaternarized N-halamine chitosan and polyvinyl alcohol nanofibrous membranes as hemostatic materials with excellent antibacterial properties. <i>Carbohydrate Polymers</i> , 2020, 232, 115823.	10.2	115
5	Antimicrobial N-halamine modified chitosan films. <i>Carbohydrate Polymers</i> , 2013, 92, 534-539.	10.2	114
6	Fabric Treated with Antimicrobial N-Halamine Epoxides. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 6425-6429.	3.7	107
7	Rechargeable biocidal cellulose: Synthesis and application of 3-(2,3-dihydroxypropyl)-5,5-dimethylimidazolidine-2,4-dione. <i>Carbohydrate Polymers</i> , 2009, 75, 683-687.	10.2	103
8	Antimicrobial coating of modified chitosan onto cotton fabrics. <i>Applied Surface Science</i> , 2014, 309, 138-143.	6.1	99
9	N-Halamine-coated cotton for antimicrobial and detoxification applications. <i>Carbohydrate Polymers</i> , 2009, 78, 220-226.	10.2	97
10	Antibacterial cotton treated with N-halamine and quaternary ammonium salt. <i>Cellulose</i> , 2013, 20, 3123-3130.	4.9	95
11	Antimicrobial cotton containing N-halamine and quaternary ammonium groups by grafting copolymerization. <i>Applied Surface Science</i> , 2014, 296, 231-236.	6.1	91
12	Self-assembled antibacterial coating by N-halamine polyelectrolytes on a cellulose substrate. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1446-1454.	5.8	85
13	Functional nanocomposite aerogels based on nanocrystalline cellulose for selective oil/water separation and antibacterial applications. <i>Chemical Engineering Journal</i> , 2019, 371, 306-313.	12.7	84
14	Development of Inherently Antibacterial, Biodegradable, and Biologically Active Chitosan/Pseudo-Protein Hybrid Hydrogels as Biofunctional Wound Dressings. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14688-14699.	8.0	79
15	Antimicrobial polyester. <i>Journal of Applied Polymer Science</i> , 2008, 109, 2756-2761.	2.6	77
16	Preparation and antimicrobial activity of β -cyclodextrin derivative copolymers/cellulose acetate nanofibers. <i>Chemical Engineering Journal</i> , 2014, 248, 264-272.	12.7	76
17	Construction of aerogels based on nanocrystalline cellulose and chitosan for high efficient oil/water separation and water disinfection. <i>Carbohydrate Polymers</i> , 2020, 243, 116461.	10.2	75
18	Novel N-halamine silanes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 345, 88-94.	4.7	71

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19	Phosphorus-nitrogen-silicon-based assembly multilayer coating for the preparation of flame retardant and antimicrobial cotton fabric. <i>Cellulose</i> , 2019, 26, 4213-4223.	4.9	65
20	Synthesis of novel reactive N-halamine precursors and application in antimicrobial cellulose. <i>Applied Surface Science</i> , 2014, 288, 518-523.	6.1	63
21	Effect of Alkyl Derivatization on Several Properties of <i>N</i>-Halamine Antimicrobial Siloxane Coatings. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 7558-7563.	3.7	62
22	Cytocompatible quaternized carboxymethyl chitosan/poly(vinyl alcohol) blend film loaded copper for antibacterial application. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 992-998.	7.5	61
23	Electrospun polyacrylonitrile nanofibrous biomaterials. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 91A, 385-390.	4.0	59
24	Antimicrobial modification of polyester by admicellar polymerization. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 89B, 475-480.	3.4	54
25	Dynamic effects and adhesion of water droplet impact on hydrophobic surfaces: bouncing or sticking. <i>Nanoscale</i> , 2017, 9, 8249-8255.	5.6	52
26	Preparation and characterization of antibacterial graphene oxide functionalized with polymeric N-halamine. <i>Journal of Materials Science</i> , 2017, 52, 1996-2006.	3.7	50
27	Biodegradable polyhydroxybutyrate/poly- ϵ -caprolactone fibrous membranes modified by silica composite hydrol for super hydrophobic and outstanding antibacterial application. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 303-311.	5.8	47
28	Antibacterial modification of PET with quaternary ammonium salt and silver particles via electron-beam irradiation. <i>Materials Science and Engineering C</i> , 2018, 85, 123-129.	7.3	47
29	Novel ZnO/N-halamine-Mediated Multifunctional Dressings as Quick Antibacterial Agent for Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31411-31420.	8.0	47
30	Synthesis of Novel N-Halamine Epoxide Based on Cyanuric Acid and Its Application for Antimicrobial Finishing. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 7413-7418.	3.7	45
31	Synthesis of an N-halamine monomer and its application in antimicrobial cellulose via an electron beam irradiation process. <i>Cellulose</i> , 2015, 22, 3609-3617.	4.9	45
32	Improved UV stability of antibacterial coatings with N-halamine/TiO ₂ . <i>Cellulose</i> , 2013, 20, 2151-2161.	4.9	44
33	Characterization and Mechanism for the Protection of Photolytic Decomposition of <i>N</i>-Halamine Siloxane Coatings by Titanium Dioxide. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3516-3523.	8.0	42
34	Durable antimicrobial cotton fabrics containing stable quaternarized N-halamine groups. <i>Cellulose</i> , 2013, 20, 3067-3077.	4.9	41
35	Preparation and characterization of PHB/PBAT-based biodegradable antibacterial hydrophobic nanofibrous membranes. <i>Polymers for Advanced Technologies</i> , 2018, 29, 481-489.	3.2	41
36	Fabrication of cotton fabrics through in-situ reduction of polymeric N-halamine modified graphene oxide with enhanced ultraviolet-blocking, self-cleaning, and highly efficient, and monitorable antibacterial properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 765-771.	4.7	39

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37	Antimicrobial Cellulose Modified with Nanotitania and Cyclic N-Halamine. Industrial & Engineering Chemistry Research, 2014, 53, 13058-13064.	3.7	38
38	Tailored synthesis of polymer-brush-grafted mesoporous silicas with N-halamine and quaternary ammonium groups for antimicrobial applications. Journal of Colloid and Interface Science, 2019, 533, 604-611.	9.4	38
39	Biocidal nanofibers via electrospinning. Journal of Applied Polymer Science, 2013, 127, 3192-3197.	2.6	36
40	Preparation and characterization of electrospun antimicrobial fibrous membranes based on polyhydroxybutyrate (PHB). Fibers and Polymers, 2015, 16, 1751-1758.	2.1	36
41	Cytocompatible antibacterial fibrous membranes based on poly(3-hydroxybutyrate-co-4-hydroxybutyrate) and quaternarized N-halamine polymer. RSC Advances, 2016, 6, 42600-42610.	3.6	36
42	Amphiphilic quaternary ammonium chitosan/sodium alginate multilayer coatings kill fungal cells and inhibit fungal biofilm on dental biomaterials. Materials Science and Engineering C, 2019, 104, 109961.	7.3	36
43	Functional chitosan/glycidyl methacrylate-based cryogels for efficient removal of cationic and anionic dyes and antibacterial applications. Carbohydrate Polymers, 2021, 266, 118129.	10.2	35
44	Acyclic N-Halamine Polymeric Biocidal Films. Journal of Bioactive and Compatible Polymers, 2010, 25, 392-405.	2.1	34
45	N-Halamine modified thermoplastic polyurethane with rechargeable antimicrobial function for food contact surface. RSC Advances, 2017, 7, 1233-1240.	3.6	34
46	Preparation of antimicrobial and hemostatic cotton with modified mesoporous particles for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2018, 165, 199-206.	5.0	34
47	Novel porous chitosan/N-halamine structure with efficient antibacterial and hemostatic properties. Carbohydrate Polymers, 2021, 253, 117205.	10.2	34
48	Hybrid organic-inorganic hydrophobic and intumescent flame-retardant coating for cotton fabrics. Composites Communications, 2019, 14, 15-20.	6.3	33
49	N-halamine-bonded cotton fabric with antimicrobial and easy-care properties. Fibers and Polymers, 2014, 15, 234-240.	2.1	32
50	Preparation of antibacterial cellulose with a monochloro-2,4,6-triazine-based N-halamine biocide. Polymers for Advanced Technologies, 2016, 27, 460-465.	3.2	32
51	A Hexagonal Covalent Porphyrin Framework as an Efficient Support for Gold Nanoparticles toward Catalytic Reduction of 4-Nitrophenol. Chemistry - A European Journal, 2016, 22, 17029-17036.	3.3	32
52	A three-dimensional porphyrin-based porous organic polymer with excellent biomimetic catalytic performance. Polymer Chemistry, 2017, 8, 4327-4331.	3.9	32
53	Optimized Loading of Carboxymethyl Cellulose (CMC) in Tri-component Electrospun Nanofibers Having Uniform Morphology. Polymers, 2020, 12, 2524.	4.5	32
54	Hydrophobic N-halamine based POSS block copolymer porous films with antibacterial and resistance of bacterial adsorption performances. Chemical Engineering Journal, 2021, 410, 128407.	12.7	31

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55	N-halamine modified ceria nanoparticles: Antibacterial response and accelerated wound healing application via a 3D printed scaffold. <i>Composites Part B: Engineering</i> , 2021, 227, 109390.	12.0	31
56	Layer-by-Layer Self-assembly of Organic-inorganic Hybrid Intumescent Flame Retardant on Cotton Fabrics. <i>Fibers and Polymers</i> , 2019, 20, 538-544.	2.1	30
57	N-halamine modified multiporous bacterial cellulose with enhanced antibacterial and hemostatic properties. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1070-1078.	7.5	30
58	Preparation and characterization of polyester fabrics coated with TiO ₂ /Benzotriazole for UV protection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 695-701.	4.7	29
59	Graphene oxide as a polymeric N-halamine carrier and release platform: Highly-efficient, sustained-release antibacterial property and great storage stability. <i>Materials Science and Engineering C</i> , 2019, 103, 109877.	7.3	29
60	Multifunctional 3D printed porous GelMA/xanthan gum based dressing with biofilm control and wound healing activity. <i>Materials Science and Engineering C</i> , 2021, 131, 112493.	7.3	28
61	Antibacterial polyvinyl alcohol films incorporated with N-halamine grafted oxidized microcrystalline cellulose. <i>Composites Communications</i> , 2019, 15, 25-29.	6.3	27
62	Structural insights into conformation of amphiphilic quaternary ammonium chitosans to control fungicidal and anti-biofilm functions. <i>Carbohydrate Polymers</i> , 2020, 228, 115391.	10.2	27
63	Flame-retardant treatment of cotton fabric with organophosphorus derivative containing nitrogen and silicon. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 653-660.	3.6	26
64	Antibacterial mesoporous molecular sieves modified with polymeric N-halamine. <i>Materials Science and Engineering C</i> , 2016, 69, 1075-1080.	7.3	25
65	PET fabric treated with environmental-friendly phosphorus-based compounds for enhanced flame retardancy, thermal stability and anti-dripping performance. <i>Composites Part B: Engineering</i> , 2022, 235, 109791.	12.0	25
66	Spin crossover properties of enantiomers, co-enantiomers, racemates, and co-racemates. <i>Dalton Transactions</i> , 2016, 45, 7340-7348.	3.3	23
67	Preparation and characterization of antimicrobial PVA hybrid films with N-halamine modified chitosan nanospheres. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	23
68	Efficacy of N-halamine compound on reduction of microorganisms in absorbent food pads of raw beef. <i>Food Control</i> , 2018, 84, 255-262.	5.5	23
69	Rational design of cotton substrates with enhanced UV-blocking, high antibacterial efficiency and prominent hydrophobicity. <i>Cellulose</i> , 2019, 26, 5757-5768.	4.9	23
70	Development of cytocompatible antibacterial electro-spun nanofibrous composites. <i>Journal of Materials Science</i> , 2014, 49, 6734-6741.	3.7	22
71	Electrospun non-leaching biocompatible antimicrobial cellulose acetate nanofibrous mats. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 27, 315-321.	5.8	22
72	Antimicrobial activity of hydrophobic cotton coated with N-halamine. <i>Polymers for Advanced Technologies</i> , 2015, 26, 99-103.	3.2	22

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73	Synthesis and characterization of biocompatible antimicrobial N-halamine-functionalized titanium dioxide core-shell nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 511-517.	5.0	22
74	Antibacterial membranes based on chitosan and quaternary ammonium salts modified nanocrystalline cellulose. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1629-1635.	3.2	22
75	Antibacterial cellulose acetate films incorporated with N-halamine-modified nano-crystalline cellulose particles. <i>Polymers for Advanced Technologies</i> , 2017, 28, 463-469.	3.2	22
76	Oxidoreductases for modification of linen fibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 299, 15-21.	4.7	21
77	Cytocompatible and regenerable antimicrobial cellulose modified by N-halamine triazine ring. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	21
78	Durable antimicrobial cotton fabrics treated with a novel N-halamine compound. <i>Fibers and Polymers</i> , 2016, 17, 2035-2040.	2.1	21
79	Preparation and characterization of excellent antibacterial TiO ₂ /N-halamines nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 284-290.	4.7	21
80	Antibacterial and Hydrophilic Modification of PET Fabrics by Electron Beam Irradiation Process. <i>Fibers and Polymers</i> , 2020, 21, 1023-1031.	2.1	21
81	Three-dimensionally printed polylactic acid/cellulose acetate scaffolds with antimicrobial effect. <i>RSC Advances</i> , 2020, 10, 2952-2958.	3.6	21
82	Chitosan/mesoporous silica hybrid aerogel with bactericidal properties as hemostatic material. <i>European Polymer Journal</i> , 2021, 142, 110132.	5.4	21
83	Synthesis of antibacterial N-halamine acryl acid copolymers and their application onto cotton. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47426.	2.6	20
84	Synthesis and Application of Benzotriazole UV Absorbers to Improve the UV Resistance of Polyester Fabrics. <i>Fibers and Polymers</i> , 2019, 20, 2289-2296.	2.1	19
85	Antimicrobial modification of cotton by reactive triclosan derivative. <i>Fibers and Polymers</i> , 2015, 16, 31-37.	2.1	18
86	Tailored assembly of vinylbenzyl N-halamine with end-activated ZnO to form hybrid nanoparticles for quick antibacterial response and enhanced UV stability. <i>Journal of Alloys and Compounds</i> , 2019, 797, 692-701.	5.5	18
87	Preparation of antibacterial biocompatible polycaprolactone/keratin nanofibrous mats by electrospinning. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49862.	2.6	18
88	Optical recognition of alkyl nitrile by a homochiral iron(II) spin crossover host. <i>CrystEngComm</i> , 2015, 17, 7956-7963.	2.6	17
89	Static and Dynamic Hydrophobic Properties of Honeycomb Structured Films via Breath Figure Method. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18659-18664.	3.1	17
90	N-halamine modified polyester fabrics: Preparation and biocidal functions. <i>Fibers and Polymers</i> , 2014, 15, 2340-2344.	2.1	16

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91	Antibacterial Coating of Cellulose by Iso-bifunctional Reactive N-halamine with the Dyeing Process of Reactive Dye. <i>Fibers and Polymers</i> , 2018, 19, 2284-2289.	2.1	16
92	PHB/PCL fibrous membranes modified with SiO ₂ @TiO ₂ -based core@shell composite nanoparticles for hydrophobic and antibacterial applications. <i>RSC Advances</i> , 2019, 9, 23071-23080.	3.6	16
93	Construction of Chlorine Labeled ZnO@Chitosan Loaded Cellulose Nanofibrils Film with Quick Antibacterial Performance and Prominent UV Stability. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000228.	3.6	16
94	Antimicrobial silica and sand particles functionalized with an N-halamine acrylamidesiloxane copolymer. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	15
95	Absorbent Pads Containing N-Halamine Compound for Potential Antimicrobial Use for Chicken Breast and Ground Chicken. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1941-1948.	5.2	15
96	Active loading graphite/hydroxyapatite into the stable hydroxyethyl cellulose scaffold nanofibers for artificial cornea application. <i>Cellulose</i> , 2020, 27, 3319-3334.	4.9	15
97	Biocidal poly (vinyl alcohol) films incorporated with N-halamine siloxane. <i>Composites Communications</i> , 2018, 10, 89-92.	6.3	14
98	Reactions of phenolic compounds with monomeric N-halamines and mesoporous material-supported N-halamines. <i>Journal of Hazardous Materials</i> , 2019, 366, 651-658.	12.4	14
99	Functionalization of PET fabric via silicone based organic-inorganic hybrid coating. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 83, 430-437.	5.8	14
100	Development and characterisation of antibacterial suture functionalised with N-halamines. <i>Journal of Industrial Textiles</i> , 2016, 46, 59-74.	2.4	13
101	Molecular isomerism induced Fe(II) spin state difference based on the tautomerization of the 4(5)-methylimidazole group. <i>Dalton Transactions</i> , 2017, 46, 4218-4224.	3.3	13
102	Preparation of antibacterial cellulose with triazine-based quaternarized N-halamine. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	13
103	Preparation and characterization of antimicrobial films based on nanocrystalline cellulose. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47101.	2.6	13
104	Synthesis of polysiloxane and its co-application with nano-SiO ₂ for antibacterial and hydrophobic cotton fabrics. <i>Cellulose</i> , 2021, 28, 3169-3181.	4.9	13
105	Development of Antibacterial and Hemostatic PCL/Zein/ZnO@Quaternary Ammonium Salts NPs Composite Mats as Wound Dressings. <i>Macromolecular Materials and Engineering</i> , 2021, 306, .	3.6	13
106	Biocompatible antimicrobial cotton modified with tricarbimide-based N-halamine. <i>Polymers for Advanced Technologies</i> , 2014, 25, 963-968.	3.2	12
107	N-halamine-modified polyglycolide (PGA) multifilament as a potential bactericidal surgical suture: In vitro study. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	12
108	Modification of Rice Straw for Good Thermoplasticity via Graft Copolymerization of μ -Caprolactone onto Acetylated Rice Straw Using Ultrasonic-Microwave Coassisted Technology. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 957-964.	6.7	12

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109	Integrating spin-crossover nanoparticles with silver nanowires: toward magnetic and conductive bifunctional nanomaterials. <i>New Journal of Chemistry</i> , 2017, 41, 10062-10068.	2.8	12
110	Fabrication of pH-responsive hydrophobic/hydrophilic antibacterial polyhydroxybutyrate/poly- μ -caprolactone fibrous membranes for biomedical application. <i>Materials Chemistry and Physics</i> , 2021, 260, 124087.	4.0	12
111	Simultaneous low-salt dyeing and anti-bacterial finishing of cotton fabric with reactive dye and N-halamine. <i>Coloration Technology</i> , 2021, 137, 475-483.	1.5	12
112	Water repellent treatment of cotton fabrics by electron beam irradiation. <i>Fibers and Polymers</i> , 2016, 17, 1013-1017.	2.1	11
113	Cationic polymeric N-halamines bind onto biofilms and inactivate adherent bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 166, 210-217.	5.0	11
114	Antibacterial PVA membranes containing TiO_2 /N-halamine nanoparticles. <i>Advances in Polymer Technology</i> , 2018, 37, 1390-1400.	1.7	11
115	Highly effective antibacterial polycaprolactone fibrous membranes bonded with N-Halamine/ZnO hybrids. <i>Surface and Coatings Technology</i> , 2019, 379, 125021.	4.8	11
116	Durable N-halamine Antibacterial Cellulose Based on Thiol-ene Click Chemistry. <i>Fibers and Polymers</i> , 2019, 20, 244-249.	2.1	11
117	Antibacterial poly (μ -caprolactone) fibrous membranes filled with reduced graphene oxide-silver. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125186.	4.7	11
118	Influence of alkali treatment on the structure of newcell fibers. <i>Journal of Applied Polymer Science</i> , 2004, 93, 1731-1735.	2.6	10
119	Enhanced antimicrobial and antifungal property of two-dimensional fibrous material assembled by N-halamine polymeric electrolytes. <i>Materials Science and Engineering C</i> , 2020, 115, 111122.	7.3	10
120	Nanocatalyst doped bacterial cellulose-based thermosensitive nanogel with biocatalytic function for antibacterial application. <i>International Journal of Biological Macromolecules</i> , 2022, 195, 294-301.	7.5	10
121	Antibacterial films with enhanced physical properties based on poly (vinyl alcohol) and halogen aminated-graphene oxide. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48176.	2.6	9
122	Development of PET Fabrics Containing N-halamine Compounds with Durable Antibacterial Property. <i>Fibers and Polymers</i> , 2022, 23, 413-422.	2.1	9
123	Degradable Hemostatic Antibacterial Zein Nanofibrous Mats as Anti-Adhesive Wound Dressing. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	9
124	Improving the hydrophobicity of nylon fabric by consecutive treatment with poly(acrylic acid), tetraethylorthosilicate, and octadecylamine. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	8
125	Antibacterial Modification of Microcrystalline Cellulose by Grafting Copolymerization. <i>BioResources</i> , 2015, 11, 519-529.	1.0	8
126	Multi-functional properties of cotton fabrics treated with UV absorber and N-halamine. <i>Fibers and Polymers</i> , 2015, 16, 1876-1881.	2.1	8

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127	Structure-Property Relationship of Sulfosuccinic Acid Diester Sodium Salt Micelles: 3D-QSAR Model and DPD Simulation. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 941-948.	2.4	8
128	Preparation and characterization of antibacterial mesoporous sieves with N-halamine. <i>Colloid and Polymer Science</i> , 2017, 295, 1897-1904.	2.1	8
129	N-halamine polyelectrolytes used for preparation of antibacterial polypropylene nonwoven fabrics and study on their basal cytotoxicity and mutagenicity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 971-978.	3.4	8
130	N-halamine modified mesoporous silica coated cotton as multipurpose protective fibrous materials. <i>Cellulose</i> , 2020, 27, 10461-10471.	4.9	8
131	Antibacterial efficacy of functionalized silk fabrics by radical copolymerization with quaternary ammonium salts. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	7
132	Antibacterial poly(3-hydroxybutyrate-co-4-hydroxybutyrate) fibrous membranes containing quaternary ammonium salts. <i>Polymers for Advanced Technologies</i> , 2016, 27, 1617-1624.	3.2	7
133	Antimicrobial Activity of N-Halamine-Coated Materials in Broiler Chicken Houses. <i>Journal of Food Protection</i> , 2018, 81, 195-201.	1.7	7
134	Flame-retardant cotton fabrics modified with phosphoramidate derivative via electron beam irradiation process. <i>Journal of Industrial Textiles</i> , 2021, 51, 396-408.	2.4	7
135	Adhesive and repulsive properties of water droplet impact on honeycomb surfaces through breath figure method. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45476.	2.6	6
136	Synthesis and application to cellulose of reactive dye precursor of anti-bacterial N-halamine. <i>Coloration Technology</i> , 2017, 133, 376-381.	1.5	6
137	Effective Formation of Well-Defined Polymeric Microfibers and Nanofibers with Exceptional Uniformity by Simple Mechanical Needle Spinning. <i>Polymers</i> , 2018, 10, 980.	4.5	6
138	One-Step Synthesis of Tunable Zinc-Based Nanohybrids as an Ultrasensitive DNA Signal Amplification Platform. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2983-2990.	8.0	6
139	Quaternary ammonium salts induced flocculation of graphene oxide for the fabrication of multifunctional aerogel. <i>Journal of Materials Science</i> , 2020, 55, 13751-13766.	3.7	6
140	Inorganic-organic Hybrid Nanoparticles and Their Application on PET Fabrics for UV Protection. <i>Fibers and Polymers</i> , 2020, 21, 308-316.	2.1	6
141	The surface morphology and dynamic impact properties with rebounding and splashing of water droplet on phase separation and breath figure assisted electrospinning films. <i>Designed Monomers and Polymers</i> , 2021, 24, 164-174.	1.6	6
142	Antibacterial functionalization of cotton fabrics by electric beam irradiation. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	5
143	Regenerability and Stability of Antibacterial Cellulose Containing Triazine N-halamine. <i>Journal of Engineered Fibers and Fabrics</i> , 2016, 11, 155892501601100.	1.0	5
144	Smart anti-microbial composite coatings for textiles and plastics. , 2016, , 235-259.		5

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145	Preparation and characterization of antimicrobial cotton fabrics via N-halamine chitosan derivative/poly(2-acrylamide-2-methylpropane sulfonic acid sodium salt) self-assembled composite films. <i>Journal of Industrial Textiles</i> , 2016, 46, 1039-1052.	2.4	5
146	N-halamine antibacterial nanofibrous mats based on polyacrylonitrile and N-halamine for protective face masks. <i>Journal of Engineered Fibers and Fabrics</i> , 2019, 14, 155892501984322.	1.0	5
147	Antibacterial PET Fabrics Modified with Quaternary Ammonium Functionalized Hyperbranched Polymers via Electron Beam Radiation. <i>Fibers and Polymers</i> , 2020, 21, 2285-2291.	2.1	5
148	Antibacterial Chitosan Hybrid Films with N-Halamine-Functionalized Graphene Oxide. <i>Nano</i> , 2020, 15, 2050027.	1.0	5
149	Removal of ammonia from atmosphere by air stripping with mesoporous silica-supported N-halamines. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104900.	6.7	5
150	A Sustainable and Antimicrobial Food Packaging Film for Potential Application in Fresh Produce Packaging. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	5
151	Emulsion polymerization of N-halamine polymer for antibacterial polypropylene. <i>Textile Research Journal</i> , 2016, 86, 1597-1605.	2.2	4
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