Xuehong Ren

List of Publications by Year
in descending order

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161	4,703	94433	138484
papers	citations	37 h-index	58 g-index

161	161	161	3665
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation of antibacterial conductive cotton fabrics via silane-modified polypyrrole. Journal of Industrial Textiles, 2022, 51, 7172S-7187S.	2.4	2
2	Development of PET Fabrics Containing N-halamine Compounds with Durable Antibacterial Property. Fibers and Polymers, 2022, 23, 413-422.	2.1	9
3	Plasma deposition for antimicrobial finishing of cellulosic textiles. Journal of the Textile Institute, 2022, 113, 2515-2522.	1.9	1
4	Nanocatalyst doped bacterial cellulose-based thermosensitive nanogel with biocatalytic function for antibacterial application. International Journal of Biological Macromolecules, 2022, 195, 294-301.	7.5	10
5	PET fabric treated with environmental-friendly phosphorus-based compounds for enhanced flame retardancy, thermal stability and anti-dripping performance. Composites Part B: Engineering, 2022, 235, 109791.	12.0	25
6	Degradable Hemostatic Antibacterial Zein Nanofibrous Mats as Antiâ€Adhesive Wound Dressing. Macromolecular Materials and Engineering, 2022, 307, .	3.6	9
7	Flame-retardant cotton fabrics modified with phosphoramidate derivative via electron beam irradiation process. Journal of Industrial Textiles, 2021, 51, 396-408.	2.4	7
8	Chitosan/mesoporous silica hybrid aerogel with bactericidal properties as hemostatic material. European Polymer Journal, 2021, 142, 110132.	5.4	21
9	Fabrication of pH-responsive hydrophobic/hydrophilic antibacterial polyhydroxybutyrate/poly-Îµ-caprolactone fibrous membranes for biomedical application. Materials Chemistry and Physics, 2021, 260, 124087.	4.0	12
10	Novel porous chitosan/N-halamine structure with efficient antibacterial and hemostatic properties. Carbohydrate Polymers, 2021, 253, 117205.	10.2	34
11	Preparation of antibacterial biocompatible polycaprolactone/keratin nanofibrous mats by electrospinning. Journal of Applied Polymer Science, 2021, 138, 49862.	2.6	18
12	The surface morphology and dynamic impact properties with rebounding and splashing of water droplet on phase separation and breath figure assisted electrospinning films. Designed Monomers and Polymers, 2021, 24, 164-174.	1.6	6
13	Removal of ammonia from atmosphere by air stripping with mesoporous silica-supported N-halamines. Journal of Environmental Chemical Engineering, 2021, 9, 104900.	6.7	5
14	Synthesis of polysiloxane and its co-application with nano-SiO2 for antibacterial and hydrophobic cotton fabrics. Cellulose, 2021, 28, 3169-3181.	4.9	13
15	Development of Inherently Antibacterial, Biodegradable, and Biologically Active Chitosan/Pseudo-Protein Hybrid Hydrogels as Biofunctional Wound Dressings. ACS Applied Materials & Interfaces, 2021, 13, 14688-14699.	8.0	79
16	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
17	Simultaneous lowâ€salt dyeing and antiâ€bacterial finishing of cotton fabric with reactive dye and Nâ€halamine. Coloration Technology, 2021, 137, 475-483.	1.5	12
18	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

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19	Development of Antibacterial and Hemostatic PCL/Zein/ZnOâ€Quaternary Ammonium Salts NPs Composite Mats as Wound Dressings. Macromolecular Materials and Engineering, 2021, 306, .	3.6	13
20	Multifunctional 3D printed porous GelMA/xanthan gum based dressing with biofilm control and wound healing activity. Materials Science and Engineering C, 2021, 131, 112493.	7.3	28
21	N-halamine modified ceria nanoparticles: Antibacterial response and accelerated wound healing application via a 3D printed scaffold. Composites Part B: Engineering, 2021, 227, 109390.	12.0	31
22	Structural insights into conformation of amphiphilic quaternary ammonium chitosans to control fungicidal and anti-biofilm functions. Carbohydrate Polymers, 2020, 228, 115391.	10.2	27
23	N-halamine polyelectrolytes used for preparation of antibacterial polypropylene nonwoven fabrics and study on their basal cytotoxicity and mutagenicity. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 971-978.	3.4	8
24	Functionalization of PET fabric via silicone based organicâ€“inorganic hybrid coating. Journal of Industrial and Engineering Chemistry, 2020, 83, 430-437.	5.8	14
25	One-Step Synthesis of Tunable Zinc-Based Nanohybrids as an Ultrasensitive DNA Signal Amplification Platform. ACS Applied Materials & Interfaces, 2020, 12, 2983-2990.	8.0	6
26	Novel quaternarized N-halamine chitosan and polyvinyl alcohol nanofibrous membranes as hemostatic materials with excellent antibacterial properties. Carbohydrate Polymers, 2020, 232, 115823.	10.2	115
27	Dynamic hydrophobic behavior of water droplets impact on the cotton fabrics coated with POSS block copolymer. Cellulose, 2020, 27, 1705-1716.	4.9	4
28	N-halamine modified mesoporous silica coated cotton as multipurpose protective fibrous materials. Cellulose, 2020, 27, 10461-10471.	4.9	8
29	Quaternary ammonium salts induced flocculation of graphene oxide for the fabrication of multifunctional aerogel. Journal of Materials Science, 2020, 55, 13751-13766.	3.7	6
30	Optimized Loading of Carboxymethyl Cellulose (CMC) in Tri-component Electrospun Nanofibers Having Uniform Morphology. Polymers, 2020, 12, 2524.	4.5	32
31	Antibacterial PET Fabrics Modified with Quaternary Ammonium Functionalized Hyperbranched Polymers via Electron Beam Radiation. Fibers and Polymers, 2020, 21, 2285-2291.	2.1	5
32	Antibacterial and Hydrophilic Modification of PET Fabrics by Electron Beam Irradiation Process. Fibers and Polymers, 2020, 21, 1023-1031.	2.1	21
33	Enhanced antimicrobial and antifungal property of two-dimensional fibrous material assembled by N-halamine polymeric electrolytes. Materials Science and Engineering C, 2020, 115, 111122.	7.3	10
34	Antibacterial poly (Îµ-caprolactone) fibrous membranes filled with reduced graphene oxide-silver. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125186.	4.7	11
35	N-halamine modified multiporous bacterial cellulose with enhanced antibacterial and hemostatic properties. International Journal of Biological Macromolecules, 2020, 161, 1070-1078.	7.5	30
36	Inorganic-organic Hybrid Nanoparticles and Their Application on PET Fabrics for UV Protection. Fibers and Polymers, 2020, 21, 308-316.	2.1	6

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37	Construction of Chlorine Labeled ZnOâ€“Chitosan Loaded Cellulose Nanofibrils Film with Quick Antibacterial Performance and Prominent UV Stability. Macromolecular Materials and Engineering, 2020, 305, 2000228.	3.6	16
38	Antibacterial Chitosan Hybrid Films with N-Halamine-Functionalized Graphene Oxide. Nano, 2020, 15, 2050027.	1.0	5
39	Three-dimensionally printed polylactic acid/cellulose acetate scaffolds with antimicrobial effect. RSC Advances, 2020, 10, 2952-2958.	3.6	21
40	Active loading graphite/hydroxyapatite into the stable hydroxyethyl cellulose scaffold nanofibers for artificial cornea application. Cellulose, 2020, 27, 3319-3334.	4.9	15
41	Rational design of TiO₂ nanomaterials using miniemulsion polymerization: rapid antimicrobial efficiency and enhanced UV stability. Polymer-Plastics Technology and Materials, 2020, 59, 1585-1594.	1.3	2
42	Construction of aerogels based on nanocrystalline cellulose and chitosan for high efficient oil/water separation and water disinfection. Carbohydrate Polymers, 2020, 243, 116461.	10.2	75
43	Cellulose Acetate Nanofibrous Membranes for Antibacterial Applications. Recent Patents on Nanotechnology, 2020, 13, 181-188.	1.3	3
44	Synthesis of Phosphorus-Containing Flame Retardant Monomer and Grafting of PET Fabrics via Electron Beam Irradiation. AATCC Journal of Research, 2020, 7, 15-21.	0.6	4
45	Novel ZnO/N-halamine-Mediated Multifunctional Dressings as Quick Antibacterial Agent for Biomedical Applications. ACS Applied Materials & Interfaces, 2019, 11, 31411-31420.	8.0	47
46	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
47	Antibacterial films with enhanced physical properties based on poly (vinyl alcohol) and halogen aminatedâ€graphene oxide. Journal of Applied Polymer Science, 2019, 136, 48176.	2.6	9
48	Amphiphilic Copolymers PDMAEMA_mâ€bâ€PAA_n and Their Complexes with Surfactants at the Air/Water Interface. Journal of Surfactants and Detergents, 2019, 22, 1495-1504.	2.1	2
49	PHB/PCL fibrous membranes modified with SiO₂@TiO₂-based core@shell composite nanoparticles for hydrophobic and antibacterial applications. RSC Advances, 2019, 9, 23071-23080.	3.6	16
50	Highly effective antibacterial polycaprolactone fibrous membranes bonded with N-Halamine/ZnO hybrids. Surface and Coatings Technology, 2019, 379, 125021.	4.8	11
51	Preparation and characterization of polyester fabrics coated with TiO2/Benzotriazole for UV protection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 577, 695-701.	4.7	29
52	Graphene oxide as a polymeric N-halamine carrier and release platform: Highly-efficient, sustained-release antibacterial property and great storage stability. Materials Science and Engineering C, 2019, 103, 109877.	7.3	29
53	Antibacterial polyvinyl alcohol films incorporated with N-halamine grafted oxidized microcrystalline cellulose. Composites Communications, 2019, 15, 25-29.	6.3	27
54	Tailored assembly of vinylbenzyl N-halamine with end-activated ZnO to form hybrid nanoparticles for quick antibacterial response and enhanced UV stability. Journal of Alloys and Compounds, 2019, 797, 692-701.	5.5	18

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55	Hybrid organic-inorganic hydrophobic and intumescent flame-retardant coating for cotton fabrics. Composites Communications, 2019, 14, 15-20.	6.3	33
56	N-halamine antibacterial nanofibrous mats based on polyacrylonitrile and N-halamine for protective face masks. Journal of Engineered Fibers and Fabrics, 2019, 14, 155892501984322.	1.0	5
57	Rational design of cotton substrates with enhanced UVâ€“blocking, high antibacterial efficiency and prominent hydrophobicity. Cellulose, 2019, 26, 5757-5768.	4.9	23
58	Layer-by-Layer Self-assembly of Organic-inorganic Hybrid Intumescent Flame Retardant on Cotton Fabrics. Fibers and Polymers, 2019, 20, 538-544.	2.1	30
59	Phosphorus-nitrogen-silicon-based assembly multilayer coating for the preparation of flame retardant and antimicrobial cotton fabric. Cellulose, 2019, 26, 4213-4223.	4.9	65
60	Durable N-halamine Antibacterial Cellulose Based on Thiol-ene Click Chemistry. Fibers and Polymers, 2019, 20, 244-249.	2.1	11
61	Functional nanocomposite aerogels based on nanocrystalline cellulose for selective oil/water separation and antibacterial applications. Chemical Engineering Journal, 2019, 371, 306-313.	12.7	84
62	Synthesis and Application of Benzotriazole UV Absorbers to Improve the UV Resistance of Polyester Fabrics. Fibers and Polymers, 2019, 20, 2289-2296.	2.1	19
63	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
64	Reactions of phenolic compounds with monomeric N-halamines and mesoporous material-supported N-halamines. Journal of Hazardous Materials, 2019, 366, 651-658.	12.4	14
65	Synthesis of antibacterial Nâ€halamine acryl acid copolymers and their application onto cotton. Journal of Applied Polymer Science, 2019, 136, 47426.	2.6	20
66	Preparation and characterization of antimicrobial films based on nanocrystalline cellulose. Journal of Applied Polymer Science, 2019, 136, 47101.	2.6	13
67	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
68	Absorbent Pads Containing N-Halamine Compound for Potential Antimicrobial Use for Chicken Breast and Ground Chicken. Journal of Agricultural and Food Chemistry, 2018, 66, 1941-1948.	5.2	15
69	Biodegradable polyhydroxybutyrate/poly-Îµ-caprolactone fibrous membranes modified by silica composite hydrol for super hydrophobic and outstanding antibacterial application. Journal of Industrial and Engineering Chemistry, 2018, 63, 303-311.	5.8	47
70	Antibacterial modification of PET with quaternary ammonium salt and silver particles via electron-beam irradiation. Materials Science and Engineering C, 2018, 85, 123-129.	7.3	47
71	Cationic polymeric N-halamines bind onto biofilms and inactivate adherent bacteria. Colloids and Surfaces B: Biointerfaces, 2018, 166, 210-217.	5.0	11
72	Antibacterial <scp>PVA</scp> membranes containing TiO₂/Nâ€halamine nanoparticles. Advances in Polymer Technology, 2018, 37, 1390-1400.	1.7	11

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73	Preparation and characterization of PHB/PBATâ€“based biodegradable antibacterial hydrophobic nanofibrous membranes. Polymers for Advanced Technologies, 2018, 29, 481-489.	3.2	41
74	Efficacy of N-halamine compound on reduction of microorganisms in absorbent food pads of raw beef. Food Control, 2018, 84, 255-262.	5.5	23
75	Antimicrobial Activity of N-Halamineâ€“Coated Materials in Broiler Chicken Houses. Journal of Food Protection, 2018, 81, 195-201.	1.7	7
76	Antibacterial Coating of Cellulose by Iso-bifunctional Reactive N-halamine with the Dyeing Process of Reactive Dye. Fibers and Polymers, 2018, 19, 2284-2289.	2.1	16
77	Preparation of Durable Antibacterial Cellulose with AgCl Nanoparticles. Fibers and Polymers, 2018, 19, 2097-2102.	2.1	4
78	Effective Formation of Well-Defined Polymeric Microfibers and Nanofibers with Exceptional Uniformity by Simple Mechanical Needle Spinning. Polymers, 2018, 10, 980.	4.5	6
79	Cytocompatible quaternized carboxymethyl chitosan/poly(vinyl alcohol) blend film loaded copper for antibacterial application. International Journal of Biological Macromolecules, 2018, 120, 992-998.	7.5	61
80	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. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 765-771.	4.7	39
81	Biocidal poly (vinyl alcohol) films incorporated with N-halamine siloxane. Composites Communications, 2018, 10, 89-92.	6.3	14
82	Antibacterial membranes based on chitosan and quaternary ammonium salts modified nanocrystalline cellulose. Polymers for Advanced Technologies, 2017, 28, 1629-1635.	3.2	22
83	Antibacterial cellulose acetate films incorporated with Nâ€halamineâ€modified nanoâ€crystalline cellulose particles. Polymers for Advanced Technologies, 2017, 28, 463-469.	3.2	22
84	Molecular isomerism induced Fe(<scp>ii</scp>) spin state difference based on the tautomerization of the 4(5)-methylimidazole group. Dalton Transactions, 2017, 46, 4218-4224.	3.3	13
85	Preparation of antibacterial cellulose with sâ€triazineâ€based quaternarized <scp>N</scp>â€halamine. Journal of Applied Polymer Science, 2017, 134, .	2.6	13
86	Flame-retardant treatment of cotton fabric with organophosphorus derivative containing nitrogen and silicon. Journal of Thermal Analysis and Calorimetry, 2017, 128, 653-660.	3.6	26
87	Dynamic effects and adhesion of water droplet impact on hydrophobic surfaces: bouncing or sticking. Nanoscale, 2017, 9, 8249-8255.	5.6	52
88	N-Halamine modified thermoplastic polyurethane with rechargeable antimicrobial function for food contact surface. RSC Advances, 2017, 7, 1233-1240.	3.6	34
89	Preparation and characterization of antibacterial mesoporous sieves with N-halamine. Colloid and Polymer Science, 2017, 295, 1897-1904.	2.1	8
90	Integrating spin-crossover nanoparticles with silver nanowires: toward magnetic and conductive bifunctional nanomaterials. New Journal of Chemistry, 2017, 41, 10062-10068.	2.8	12

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91	Adhesive and repulsive properties of water droplet impact on honeycomb surfaces through breath figure method. Journal of Applied Polymer Science, 2017, 134, 45476.	2.6	6
92	Synthesis and application to cellulose of reactive dye precursor of anti-bacterial N-halamine. Coloration Technology, 2017, 133, 376-381.	1.5	6
93	A three-dimensional porphyrin-based porous organic polymer with excellent biomimetic catalytic performance. Polymer Chemistry, 2017, 8, 4327-4331.	3.9	32
94	Preparation and characterization of antibacterial graphene oxide functionalized with polymeric N-halamine. Journal of Materials Science, 2017, 52, 1996-2006.	3.7	50
95	Regenerablity and Stability of Antibacterial Cellulose Containing Triazine N-halamine. Journal of Engineered Fibers and Fabrics, 2016, 11, 155892501601100.	1.0	5
96	Antibacterial efficacy of functionalized silk fabrics by radical copolymerization with quaternary ammonium salts. Journal of Applied Polymer Science, 2016, 133, .	2.6	7
97	Preparation of antibacterial cellulose with a monochloroâ€sâ€triazineâ€based Nâ€halamine biocide. Polymers for Advanced Technologies, 2016, 27, 460-465.	3.2	32
98	Antimicrobial silica and sand particles functionalized with an <scp>N</scp>â€halamine acrylamidesiloxane copolymer. Journal of Applied Polymer Science, 2016, 133, .	2.6	15
99	Antibacterial poly(3-hydroxybutyrate-co-4-hydroxybutyrate) fibrous membranes containing quaternary ammonium salts. Polymers for Advanced Technologies, 2016, 27, 1617-1624.	3.2	7
100	Durable antimicrobial cotton fabrics treated with a novel N-halamine compound. Fibers and Polymers, 2016, 17, 2035-2040.	2.1	21
101	Spin crossover properties of enantiomers, co-enantiomers, racemates, and co-racemates. Dalton Transactions, 2016, 45, 7340-7348.	3.3	23
102	Emulsion polymerization of N-halamine polymer for antibacterial polypropylene. Textile Reseach Journal, 2016, 86, 1597-1605.	2.2	4
103	Modification of Rice Straw for Good Thermoplasticity via Graft Copolymerization of Îµ-Caprolactone onto Acetylated Rice Straw Using Ultrasonic-Microwave Coassisted Technology. ACS Sustainable Chemistry and Engineering, 2016, 4, 957-964.	6.7	12
104	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
105	Synthesis and characterization of biocompatible antimicrobial N-halamine-functionalized titanium dioxide core-shell nanoparticles. Colloids and Surfaces B: Biointerfaces, 2016, 148, 511-517.	5.0	22
106	Resinâ€Assisted Constructive Synthesis of Spinâ€Crossover Nanorod Arrays. European Journal of Inorganic Chemistry, 2016, 2016, 4581-4585.	2.0	4
107	Antibacterial mesoporous molecular sieves modified with polymeric N-halamine. Materials Science and Engineering C, 2016, 69, 1075-1080.	7.3	25
108	A Hexagonal Covalent Porphyrin Framework as an Efficient Support for Gold Nanoparticles toward Catalytic Reduction of 4â€Nitrophenol. Chemistry - A European Journal, 2016, 22, 17029-17036.	3.3	32

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109	Water repellent treatment of cotton fabrics by electron beam irradiation. Fibers and Polymers, 2016, 17, 1013-1017.	2.1	11
110	Preparation and characterization of antimicrobial PVA hybrid films with Nâ€halamine modified chitosan nanospheres. Journal of Applied Polymer Science, 2016, 133, .	2.6	23
111	Preparation and characterization of excellent antibacterial TiO2/N-halamines nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 506, 284-290.	4.7	21
112	Static and Dynamic Hydrophobic Properties of Honeycomb Structured Films via Breath Figure Method. Journal of Physical Chemistry C, 2016, 120, 18659-18664.	3.1	17
113	Structureâ€"Property Relationship of Sulfosuccinic Acid Diester Sodium Salt Micelles: 3D-QSAR Model and DPD Simulation. Journal of Dispersion Science and Technology, 2016, 37, 941-948.	2.4	8
114	Smart anti-microbial composite coatings for textiles and plastics. , 2016, , 235-259.		5
115	Characterization and Mechanism for the Protection of Photolytic Decomposition of N-Halamine Siloxane Coatings by Titanium Dioxide. ACS Applied Materials & Interfaces, 2016, 8, 3516-3523.	8.0	42
116	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. Journal of Industrial Textiles, 2016, 46, 1039-1052.	2.4	5
117	Development and characterisation of antibacterial suture functionalised with N-halamines. Journal of Industrial Textiles, 2016, 46, 59-74.	2.4	13
118	Improving the hydrophobicity of nylon fabric by consecutive treatment with poly(acrylic acid), tetraethylorthosilicate, and octadecylamine. Journal of Applied Polymer Science, 2015, 132, .	2.6	8
119	Antibacterial functionalization of cotton fabrics by electricâ€beam irradiation. Journal of Applied Polymer Science, 2015, 132, .	2.6	5
120	Nâ€halamineâ€modified polyglycolide (PGA) multifilament as a potential bactericidal surgical suture: In vitro study. Journal of Applied Polymer Science, 2015, 132, .	2.6	12
121	Antibacterial Modification of Microcrystalline Cellulose by Grafting Copolymerization. BioResources, 2015, 11, 519-529.	1.0	8
122	Biocidal Activity of N-Halamine Methylenebisacrylamide Grafted Cotton. Journal of Engineered Fibers and Fabrics, 2015, 10, 155892501501000.	1.0	2
123	Electrospun non-leaching biocombatible antimicrobial cellulose acetate nanofibrous mats. Journal of Industrial and Engineering Chemistry, 2015, 27, 315-321.	5.8	22
124	Self-assembled antibacterial coating by N-halamine polyelectrolytes on a cellulose substrate. Journal of Materials Chemistry B, 2015, 3, 1446-1454.	5.8	85
125	Antimicrobial modification of cotton by reactive triclosan derivative. Fibers and Polymers, 2015, 16, 31-37.	2.1	18
126	Optical recognition of alkyl nitrile by a homochiral iron(<scp>ii</scp>) spin crossover host. CrystEngComm, 2015, 17, 7956-7963.	2.6	17

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127	Multi-functional properties of cotton fabrics treated with UV absorber and N-halamine. Fibers and Polymers, 2015, 16, 1876-1881.	2.1	8
128	Synthesis of an N-halamine monomer and its application in antimicrobial cellulose via an electron beam irradiation process. Cellulose, 2015, 22, 3609-3617.	4.9	45
129	Preparation and characterization of electrospun antimicrobial fibrous membranes based on polyhydroxybutyrate (PHB). Fibers and Polymers, 2015, 16, 1751-1758.	2.1	36
130	Antimicrobial activity of hydrophobic cotton coated with Nâ€halamine. Polymers for Advanced Technologies, 2015, 26, 99-103.	3.2	22
131	Biocompatible antimicrobial cotton modified with tricarbimideâ€based Nâ€halamine. Polymers for Advanced Technologies, 2014, 25, 963-968.	3.2	12
132	N-halamine modified polyester fabrics: Preparation and biocidal functions. Fibers and Polymers, 2014, 15, 2340-2344.	2.1	16
133	Antimicrobial cotton containing N-halamine and quaternary ammonium groups by grafting copolymerization. Applied Surface Science, 2014, 296, 231-236.	6.1	91
134	Synthesis of novel reactive N-halamine precursors and application in antimicrobial cellulose. Applied Surface Science, 2014, 288, 518-523.	6.1	63
135	Preparation and antimicrobial activity of Î²-cyclodextrin derivative copolymers/cellulose acetate nanofibers. Chemical Engineering Journal, 2014, 248, 264-272.	12.7	76
136	N-halamine-bonded cotton fabric with antimicrobial and easy-care properties. Fibers and Polymers, 2014, 15, 234-240.	2.1	32
137	Cytocompatible and regenerable antimicrobial cellulose modified by Nâ€halamine triazine ring. Journal of Applied Polymer Science, 2014, 131, .	2.6	21
138	Development of cytocompatible antibacterial electro-spun nanofibrous composites. Journal of Materials Science, 2014, 49, 6734-6741.	3.7	22
139	Antimicrobial Cellulose Modified with Nanotitania and Cyclic N-Halamine. Industrial & Engineering Chemistry Research, 2014, 53, 13058-13064.	3.7	38
140	Antimicrobial coating of modified chitosan onto cotton fabrics. Applied Surface Science, 2014, 309, 138-143.	6.1	99
141	Biocidal nanofibers via electrospinning. Journal of Applied Polymer Science, 2013, 127, 3192-3197.	2.6	36
142	Antimicrobial N-halamine modified chitosan films. Carbohydrate Polymers, 2013, 92, 534-539.	10.2	114
143	Improved UV stability of antibacterial coatings with N-halamine/TiO2. Cellulose, 2013, 20, 2151-2161.	4.9	44
144	Synthesis of Novel N-Halamine Epoxide Based on Cyanuric Acid and Its Application for Antimicrobial Finishing. Industrial & Engineering Chemistry Research, 2013, 52, 7413-7418.	3.7	45

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145	Durable antimicrobial cotton fabrics containing stable quaternarized N-halamine groups. Cellulose, 2013, 20, 3067-3077.	4.9	41
146	Antibacterial cotton treated with N-halamine and quaternary ammonium salt. Cellulose, 2013, 20, 3123-3130.	4.9	95
147	Acyclic N-Halamine Polymeric Biocidal Films. Journal of Bioactive and Compatible Polymers, 2010, 25, 392-405.	2.1	34
148	Electrospun polyacrylonitrile nanofibrous biomaterials. Journal of Biomedical Materials Research - Part A, 2009, 91A, 385-390.	4.0	59
149	Antimicrobial modification of polyester by admicellar polymerization. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 89B, 475-480.	3.4	54
150	Rechargeable biocidal cellulose: Synthesis and application of 3-(2,3-dihydroxypropyl)-5,5-dimethylimidazolidine-2,4-dione. Carbohydrate Polymers, 2009, 75, 683-687.	10.2	103
151	N-Halamine-coated cotton for antimicrobial and detoxification applications. Carbohydrate Polymers, 2009, 78, 220-226.	10.2	97
152	Novel N-halamine silanes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 345, 88-94.	4.7	71
153	Antimicrobial efficacy and light stability of N-halamine siloxanes bound to cotton. Cellulose, 2008, 15, 593-598.	4.9	131
154	Antimicrobial polyester. Journal of Applied Polymer Science, 2008, 109, 2756-2761.	2.6	77
155	Antimicrobial coating of an N-halamine biocidal monomer on cotton fibers via admicellar polymerization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 317, 711-716.	4.7	131
156	Effect of Alkyl Derivatization on Several Properties of N-Halamine Antimicrobial Siloxane Coatings. Industrial & Engineering Chemistry Research, 2008, 47, 7558-7563.	3.7	62
157	Fabric Treated with Antimicrobial N-Halamine Epoxides. Industrial & Engineering Chemistry Research, 2007, 46, 6425-6429.	3.7	107
158	Oxidoreductases for modification of linen fibers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 299, 15-21.	4.7	21
159	Release of antibiotics from electrospun bicomponent fibers. Cellulose, 2007, 14, 553-562.	4.9	122
160	Influence of alkali treatment on the structure of newcell fibers. Journal of Applied Polymer Science, 2004, 93, 1731-1735.	2.6	10
161	A Sustainable and Antimicrobial Food Packaging Film for Potential Application in Fresh Produce Packaging. Frontiers in Nutrition, 0, 9, .	3.7	5