

Gang Sun

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5558411/gang-sun-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

4,813
citations

39
h-index

65
g-index

146
ext. papers

5,544
ext. citations

7.7
avg, IF

6.13
L-index

#	Paper	IF	Citations
140	Highly sensitive, selective, and reusable nanofibrous membrane-based carbon polymer dots sensors for detection of Cr(VI) in water. <i>Applied Surface Science</i> , 2022 , 582, 152392	6.7	1
139	Cationic microcrystalline cellulose - Montmorillonite composite aerogel for preconcentration of inorganic anions from dairy wastewater.. <i>Talanta</i> , 2022 , 242, 123281	6.2	2
138	Photodynamic control of fungicide-resistant <i>Penicillium digitatum</i> by vitamin K3 water-soluble analogue. <i>Food Control</i> , 2022 , 135, 108807	6.2	3
137	Synergistic adsorption-photocatalytic degradation of tetracycline by microcrystalline cellulose composite aerogel doped with montmorillonite hosted methylene blue. <i>Chemical Engineering Journal</i> , 2022 , 430, 133077	14.7	11
136	Stabilization of flavin mononucleotide by capturing its "tail" with porous organic polymers for long-term photocatalytic degradation of micropollutants.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 128982	12.8	
135	Photoactivities of Two Vitamin B Derivatives and Their Applications in the Perpetration of Photoinduced Antibacterial Nanofibrous Membranes.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 8584-8596	4.1	0
134	What We Are Learning from COVID-19 for Respiratory Protection: Contemporary and Emerging Issues. <i>Polymers</i> , 2021 , 13,	4.5	1
133	Chlorine Rechargeable Halamine Biocidal Alginate/Polyacrylamide Hydrogel Beads for Improved Sanitization of Fresh Produce. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 13323-13330	5.7	2
132	Daylight-activated fumigant detoxifying nanofibrous membrane based on thiol-ene click chemistry. <i>Journal of Hazardous Materials</i> , 2021 , 406, 124723	12.8	2
131	-Halamine Polypropylene Nonwoven Fabrics with Rechargeable Antibacterial and Antiviral Functions for Medical Applications. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 2329-2336	5.5	6
130	Modification of cotton fabrics with 2-diethylaminoethyl chloride for salt-free dyeing with anionic dyes. <i>Cellulose</i> , 2021 , 28, 6699	5.5	5
129	Antimicrobial N-Halamine incorporated Poly(Vinyl alcohol-co-ethylene) films for reducing cross-contamination of fresh produce. <i>Food Control</i> , 2021 , 124, 107880	6.2	4
128	Photoactive Water-Soluble Vitamin K: A Novel Amphiphilic Photoinduced Antibacterial Agent. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8280-8294	8.3	4
127	Research progress in chemical and biological protective materials with integrated conventional decontamination-and-sensing functions. <i>Materials Science and Engineering Reports</i> , 2021 , 145, 100626	30.9	1
126	Rapid removal of nitrate from liquid dairy manure by cationic poly (vinyl alcohol-co-ethylene) nanofiber membrane. <i>Journal of Environmental Management</i> , 2021 , 282, 111574	7.9	2
125	Durable and chlorine rechargeable biocidal composite material for improved food safety. <i>Cellulose</i> , 2021 , 28, 503-515	5.5	4
124	Unique "posture" of rose Bengal for fabricating personal protective equipment with enhanced daylight-induced biocidal efficiency. <i>Materials Advances</i> , 2021 , 2, 3569-3578	3.3	4

123	Diffusion of Protein Molecules through Microporous Nanofibrous Polyacrylonitrile Membranes. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1618-1627	4.3	1
122	Incorporation of Antimicrobial Bio-Based Carriers onto Poly(vinyl alcohol-ethylene) Surface for Enhanced Antimicrobial Activity. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 36275-36285	9.5	3
121	Sample-to-Answer Robotic ELISA. <i>Analytical Chemistry</i> , 2021 , 93, 11424-11432	7.8	1
120	A Novel -Halamine Biocidal Nanofibrous Membrane for Chlorine Rechargeable Rapid Water Disinfection Applications. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41056-41065	9.5	2
119	Effective tetracycline removal from liquid streams of dairy manure via hierarchical poly (vinyl alcohol-co-ethylene)/polyaniline metal complex nanofibrous membranes. <i>Journal of Colloid and Interface Science</i> , 2021 , 597, 9-20	9.3	2
118	Fabrication of polydopamine-based NIR-light responsive imprinted nanofibrous membrane for effective lysozyme extraction and controlled release from chicken egg white. <i>Food Chemistry</i> , 2021 , 357, 129613	8.5	3
117	Improved Processability of Soy Proteins Due to Conformational Controls under a Combination of Chemical and Mechanical Treatments. <i>ACS Agricultural Science and Technology</i> , 2021 , 1, 11-20		1
116	Chlorine Rechargeable Biocidal -Halamine Nanofibrous Membranes Incorporated with Bifunctional Zwitterionic Polymers for Efficient Water Disinfection Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51057-51068	9.5	10
115	Copper complex formed with pyridine rings grafted on cellulose nanofibrous membranes for highly efficient lysozyme adsorption. <i>Separation and Purification Technology</i> , 2020 , 250, 117086	8.3	14
114	Robust, rapid, and ultrasensitive colorimetric sensors through dye chemisorption on poly-cationic nanodots. <i>Talanta</i> , 2020 , 219, 121149	6.2	3
113	Functionalized nanofibrous nylon 6 membranes for efficient reusable and selective separation of laccase enzyme. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 194, 111190	6	9
112	Integration of photo-induced biocidal and hydrophilic antifouling functions on nanofibrous membranes with demonstrated reduction of biofilm formation. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 779-787	9.3	10
111	Antibacterial Polylactic-glycolic Acid Braided Threads Using Plasma and Coating Modifications for Acupoint Catgut Embedding Therapy Applications.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1902-1912	4.1	1
110	An Innovative Nanobody-Based Electrochemical Immunosensor Using Decorated Nylon Nanofibers for Point-of-Care Monitoring of Human Exposure to Pyrethroid Insecticides. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6159-6168	9.5	23
109	Light-driven antimicrobial activities of vitamin K3 against <i>Listeria monocytogenes</i> , <i>Escherichia coli</i> O157:H7 and <i>Salmonella Enteritidis</i> . <i>Food Control</i> , 2020 , 114, 107235	6.2	11
108	Design and fabrication of a highly sensitive and naked-eye distinguishable colorimetric biosensor for chloramphenicol detection by using ELISA on nanofibrous membranes. <i>Talanta</i> , 2020 , 217, 121054	6.2	18
107	An environmentally friendly bleaching process for cotton fabrics: mechanism and application of UV/H ₂ O ₂ system. <i>Cellulose</i> , 2020 , 27, 1071-1083	5.5	10
106	Antimicrobial finish of cotton fabrics treated by sophorolipids combined with 1,2,3,4-butanetetracarboxylic acid. <i>Cellulose</i> , 2020 , 27, 2859-2872	5.5	6

105	Designed Ionic Microchannels for Ultrasensitive Detection and Efficient Removal of Formaldehyde in an Aqueous Solution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1806-1816	9.5	5
104	Daylight-Induced Antibacterial and Antiviral Nanofibrous Membranes Containing Vitamin K Derivatives for Personal Protective Equipment. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49416-49430	9.5	26
103	The application of ultraviolet-induced photo-crosslinking in edible film preparation and its implication in food safety. <i>LWT - Food Science and Technology</i> , 2020 , 131, 109791	5.4	10
102	Colorimetric sensors: taking merits of nanofibrous membrane for volatile toxicants detection with ultra-high sensitivity 2020 , 213-241		
101	Biomimetic biodegradable Ag@Au nanoparticle-embedded ureteral stent with a constantly renewable contact-killing antimicrobial surface and antibiofilm and extraction-free properties. <i>Acta Biomaterialia</i> , 2020 , 114, 117-132	10.8	16
100	Fabrication of robust functional poly-cationic nanodots on surfaces of nucleophilic nanofibrous membrane. <i>Applied Surface Science</i> , 2020 , 528, 146587	6.7	2
99	Daylight-Active Cellulose Nanocrystals Containing Anthraquinone Structures. <i>Materials</i> , 2020 , 13,	3.5	1
98	Wearable super-adsorptive fibrous equipment in situ grafted with porous organic polymers for carcinogenic fumigant defense and detoxification. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 24128-24136	13	5
97	Daylight-Induced Antibacterial and Antiviral Cotton Cloth for Offensive Personal Protection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49442-49451	9.5	29
96	A signal-on electrochemical aptasensor based on silanized cellulose nanofibers for rapid point-of-use detection of ochratoxin A. <i>Mikrochimica Acta</i> , 2020 , 187, 535	5.8	14
95	Developing an Injectable Nanofibrous Extracellular Matrix Hydrogel With an Integrin $\alpha 5 \beta 1$ Ligand to Improve Endothelial Cell Survival, Engraftment and Vascularization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 890	5.8	2
94	Polydopamine-induced growth of mineralized FeOOH nanorods for construction of silk fabric with excellent superhydrophobicity, flame retardancy and UV resistance. <i>Chemical Engineering Journal</i> , 2020 , 382, 122988	14.7	33
93	Highly flexible, core-shell heterostructured, and visible-light-driven titania-based nanofibrous membranes for antibiotic removal and E. coil inactivation. <i>Chemical Engineering Journal</i> , 2020 , 379, 122269	14.7	71
92	Construction of ternary Ag@ZnO/TiO ₂ fibrous membranes with hierarchical nanostructures and mechanical flexibility for water purification. <i>Ceramics International</i> , 2020 , 46, 468-475	5.1	22
91	Hierarchical Nucleophilic Nanofibrous Membranes for Fast, Durable, and Bare-Eye Visible Detoxification of Carcinogenic Alkylating Toxicants. <i>Advanced Functional Materials</i> , 2019 , 29, 1905990	15.6	10
90	Design and Synthesis of Core-Shell Carbon Polymer Dots with Highly Stable Fluorescence in Polymeric Materials. <i>ACS Applied Nano Materials</i> , 2019 , 2, 6503-6512	5.6	10
89	Mechanism of H ₂ O ₂ /bleach activators and related factors. <i>Cellulose</i> , 2019 , 26, 2743-2757	5.5	5
88	Conductive Polymer Nanotubes for Electrochromic Applications. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3154-3160	5.6	11

87	Strategy of Constructing Light-Weight and Highly Compressible Graphene-Based Aerogels with an Ordered Unique Configuration for Wearable Piezoresistive Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19350-19362	9.5	24
86	Rechargeable Antibacterial N-Halamine Films with Antifouling Function for Food Packaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17814-17822	9.5	45
85	Colorimetric Detection of Carcinogenic Alkylating Fumigants on a Nylon 6 Nanofibrous Membrane. Part II: Self-Catalysis of 2-Diethylaminoethyl-Modified Sensor Matrix for Improvement of Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13632-13641	9.5	10
84	Conformational Changes of Soy Proteins under High-Intensity Ultrasound and High-Speed Shearing Treatments. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8117-8125	8.3	11
83	Visible-light-driven, hierarchically heterostructured, and flexible silver/bismuth oxyiodide/titania nanofibrous membranes for highly efficient water disinfection. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 636-646	9.3	23
82	Flexible and Washable Poly(Ionic Liquid) Nanofibrous Membrane with Moisture Proof Pressure Sensing for Real-Life Wearable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27200-27209	9.5	55
81	Photoactivities of Vitamin K Derivatives and Potential Applications as Daylight-Activated Antimicrobial Agents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18493-18504	8.3	18
80	Ultra-Sensitive Piezo-Resistive Sensors Constructed with Reduced Graphene Oxide/Polyolefin Elastomer (RGO/POE) Nanofiber Aerogels. <i>Polymers</i> , 2019 , 11,	4.5	2
79	Bio-inspired ultrasensitive colorimetric detection of methyl isothiocyanate on nylon-6 nanofibrous membrane: A comparison of biological thiol reactivities. <i>Journal of Hazardous Materials</i> , 2019 , 362, 375-382	12.8	6
78	Disinfectant Performance of a Chlorine Regenerable Antibacterial Microfiber Fabric as a Reusable Wiper. <i>Materials</i> , 2019 , 12,	3.5	7
77	Rechargeable Photoactive Silk-Derived Nanofibrous Membranes for Degradation of Reactive Red 195. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 986-993	8.3	12
76	Bioinspired Smart Moisture Actuators Based on Nanoscale Cellulose Materials and Porous, Hydrophilic EVOH Nanofibrous Membranes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1440-1448	9.5	39
75	Fabricating durable, fluoride-free, water repellency cotton fabrics with CPDMS. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46396	2.9	7
74	Scalable fabrication of sulfated silk fibroin nanofibrous membranes for efficient lipase adsorption and recovery. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 738-745	7.9	8
73	Sensitivity-Tunable Colorimetric Detection of Chloropicrin Vapor on Nylon-6 Nanofibrous Membrane Based on a Detoxification Reaction with Biological Thiols. <i>ACS Sensors</i> , 2018 , 3, 858-866	9.2	11
72	Highly sensitive colorimetric paper sensor for methyl isothiocyanate (MITC): Using its toxicological reaction. <i>Sensors and Actuators B: Chemical</i> , 2018 , 261, 178-187	8.5	11
71	Daylight-driven rechargeable antibacterial and antiviral nanofibrous membranes for bioprotective applications. <i>Science Advances</i> , 2018 , 4, eaar5931	14.3	151
70	Controlled Levofloxacin Release and Antibacterial Properties of β -Cyclodextrins-Grafted Polypropylene Mesh Devices for Hernia Repair. <i>Polymers</i> , 2018 , 10,	4.5	11

69	Ultrasensitive label-free electrochemical immunosensor based on PVA-co-PE nanofibrous membrane for the detection of chloramphenicol residues in milk. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 838-844	11.8	45
68	Preparation and Characterization of Antibacterial Polypropylene Meshes with Covalently Incorporated β -Cyclodextrins and Captured Antimicrobial Agent for Hernia Repair. <i>Polymers</i> , 2018 , 10,	4.5	17
67	Surface modification of poly(ethylene terephthalate) fibers via controlled radical graft polymerization. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45990	2.9	7
66	Colorimetric Detection of Carcinogenic Alkylating Fumigants on Nylon-6 Nanofibrous Membrane. Part I: Investigation of 4-(p-Nitrobenzyl)pyridine as a "New" Sensing Agent with Ultrahigh Sensitivity. <i>Analytical Chemistry</i> , 2018 , 90, 14593-14601	7.8	10
65	Ultrasensitive Wearable Pressure Sensors Assembled by Surface-Patterned Polyolefin Elastomer Nanofiber Membrane Interpenetrated with Silver Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42706-42714	9.5	33
64	Controlled surface functionalization of poly(ethylene terephthalate) fibers with varied vinyl monomers via radical graft copolymerization. <i>Materials Today Communications</i> , 2018 , 17, 124-132	2.5	6
63	AQC functionalized CNCs/PVA-co-PE composite nanofibrous membrane with flower-like microstructures for photo-induced multi-functional protective clothing. <i>Cellulose</i> , 2018 , 25, 4819-4830	5.5	4
62	Reusable anionic sulfonate functionalized nanofibrous membranes for cellulase enzyme adsorption and separation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 588-595	6	26
61	Generation of hydroxyl radicals and effective whitening of cotton fabrics by HO under UVB irradiation. <i>Carbohydrate Polymers</i> , 2017 , 160, 153-162	10.3	17
60	Mechanically Robust and Transparent N-Halamine Grafted PVA-co-PE Films with Renewable Antimicrobial Activity. <i>Macromolecular Bioscience</i> , 2017 , 17, 1600304	5.5	29
59	Control of surface radical graft polymerization on polyester fibers by using Hansen solubility parameters as a measurement of the affinity of chemicals to materials. <i>RSC Advances</i> , 2017 , 7, 13299-13303	3.7	14
58	Soft Zr-doped TiO Nanofibrous Membranes with Enhanced Photocatalytic Activity for Water Purification. <i>Scientific Reports</i> , 2017 , 7, 1636	4.9	70
57	Light-induced antibacterial and UV-protective properties of polyamide 56 biomaterial modified with anthraquinone and benzophenone derivatives. <i>Materials and Design</i> , 2017 , 130, 215-222	8.1	22
56	Biocidal and Rechargeable -Halamine Nanofibrous Membranes for Highly Efficient Water Disinfection. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 854-862	5.5	54
55	Ultrafine Silk-Derived Nanofibrous Membranes Exhibiting Effective Lysozyme Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 8777-8784	8.3	27
54	Supercapacitive Iontronic Nanofabric Sensing. <i>Advanced Materials</i> , 2017 , 29, 1700253	24	113
53	Antibiofilm Effect of Poly(Vinyl Alcohol-Ethylene) Halamine Film against <i>Listeria innocua</i> and <i>Escherichia coli</i> O157:H7. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	15
52	Continuously Producing Ultrasensitive Wearable Strain Sensor Assembled with Three-Dimensional Interpenetrating Ag Nanowires/Polyolefin Elastomer Nanofibrous Composite Yarn. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42058-42066	9.5	73

51	Catalytic actions of alkaline salts in reactions between 1,2,3,4-butanetetracarboxylic acid and cellulose: II. Esterification. <i>Carbohydrate Polymers</i> , 2015 , 132, 228-36	10.3	41
50	Constitution of a visual detection system for lead(II) on polydiacetylene-glycine embedded nanofibrous membranes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9722-9730	13	35
49	Superelastic and superhydrophobic nanofiber-assembled cellular aerogels for effective separation of oil/water emulsions. <i>ACS Nano</i> , 2015 , 9, 3791-9	16.7	522
48	Antibacterial Surgical Silk Sutures Using a High-Performance Slow-Release Carrier Coating System. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22394-403	9.5	67
47	Hansen solubility parameters as a useful tool in searching for solvents for soy proteins. <i>RSC Advances</i> , 2015 , 5, 1890-1892	3.7	19
46	Electreted polyetherimide-silica fibrous membranes for enhanced filtration of fine particles. <i>Journal of Colloid and Interface Science</i> , 2015 , 439, 12-20	9.3	124
45	Characterization of Conformational Structures of Plant Proteins in Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 188-197	3.9	5
44	Fabrication and evaluation of nanofibrous membranes with photo-induced chemical and biological decontamination functions. <i>RSC Advances</i> , 2014 , 4, 50858-50865	3.7	9
43	Solid-phase pink-to-purple chromatic strips utilizing gold probes and nanofibrous membranes combined system for lead (II) assaying. <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 673-681	8.5	25
42	Colorimetric strips for visual lead ion recognition utilizing polydiacetylene embedded nanofibers. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18304-18312	13	46
41	Light-induced surface graft polymerizations initiated by an anthraquinone dye on cotton fibers. <i>Carbohydrate Polymers</i> , 2014 , 112, 158-64	10.3	16
40	Layer-by-layer structured gelatin nanofiber membranes with photoinduced antibacterial functions. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 970-975	2.9	12
39	High sensitivity ammonia sensor using a hierarchical polyaniline/poly(ethylene-co-glycidyl methacrylate) nanofibrous composite membrane. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6473-7	9.5	99
38	Antimicrobial functions on cellulose materials introduced by anthraquinone vat dyes. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10830-5	9.5	60
37	Multifunctional finishing of cotton with 3,3',4,4'-benzophenone tetracarboxylic acid: functional performance. <i>Carbohydrate Polymers</i> , 2013 , 96, 435-9	10.3	25
36	Multifunctional finishing of cotton fabrics with 3,3',4,4'-benzophenone tetracarboxylic dianhydride: reaction mechanism. <i>Carbohydrate Polymers</i> , 2013 , 95, 768-72	10.3	45
35	Photo-induced antimicrobial and decontaminating agents: recent progresses in polymer and textile applications. <i>Textile Research Journal</i> , 2013 , 83, 532-542	1.7	29
34	Novel fluorinated polyurethane decorated electrospun silica nanofibrous membranes exhibiting robust waterproof and breathable performances. <i>RSC Advances</i> , 2013 , 3, 7562	3.7	39

33	Amphiphobic fluorinated polyurethane composite microfibrinous membranes with robust waterproof and breathable performances. <i>RSC Advances</i> , 2013 , 3, 2248-2255	3.7	68
32	Electro-spinning/netting: A strategy for the fabrication of three-dimensional polymer nano-fiber/nets. <i>Progress in Materials Science</i> , 2013 , 58, 1173-1243	42.2	375
31	Chemical and biological decontamination functions of nanofibrous membranes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8532		33
30	Synthesis of mesoporous magnetic Fe ₃ O ₄ @carbon nanofibers utilizing in situ polymerized polybenzoxazine for water purification. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4619		112
29	Tunable fabrication of three-dimensional polyamide-66 nano-fiber/nets for high efficiency fine particulate filtration. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1445-1452		153
28	Synthesis and applications of vegetable oil-based fluorocarbon water repellent agents on cotton fabrics. <i>Carbohydrate Polymers</i> , 2012 , 89, 193-8	10.3	14
27	Production of Reactive Oxygen Species by Photoactive Anthraquinone Compounds and Their Applications in Wastewater Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 5326-5333	3.0	51
26	Cibacron Blue F3GA functionalized poly(vinyl alcohol-co-ethylene) (PVA-co-PE) nanofibrous membranes as high efficient affinity adsorption materials. <i>Journal of Membrane Science</i> , 2011 , 385-386, 269-276	9.6	40
25	Label-free ultrasensitive colorimetric detection of copper(II) ions utilizing polyaniline/polyamide-6 nano-fiber/net sensor strips. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13345		56
24	Photo-induced self-cleaning functions on 2-anthraquinone carboxylic acid treated cotton fabrics. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15383		34
23	Layer-by-Layer Structured Nanofiber Membranes with Photoinduced Self-Cleaning Functions. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6825-6832	3.8	42
22	Photoactive antibacterial cotton fabrics treated by 3,3',4,4'-benzophenonetetracarboxylic dianhydride. <i>Carbohydrate Polymers</i> , 2011 , 84, 1027-1032	10.3	42
21	Photoactive antimicrobial agents/polyurethane finished leather. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 1138-1144	2.9	28
20	A study of radical graft copolymerization on polypropylene during extrusion using two peroxide initiators. <i>Polymer International</i> , 2010 , 59, 155-161	3.3	14
19	Durable and rechargeable biocidal polypropylene polymers and fibers prepared by using reactive extrusion. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 89, 93-101	3.5	44
18	A Study on Melt Grafting of N-Halamine Moieties onto Polyethylene and Their Antibacterial Activities. <i>Macromolecules</i> , 2009 , 42, 1948-1954	5.5	36
17	New Refreshable N-Halamine Polymeric Biocides: N-Chlorination of Acyclic Amide Grafted Cellulose. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 613-618	3.9	59
16	The synthesis of novel cationic anthraquinone dyes with high potent antimicrobial activity. <i>Dyes and Pigments</i> , 2008 , 77, 380-386	4.6	36

15	Functional modification of poly(ethylene terephthalate) with an allyl monomer: Chemistry and structure characterization. <i>Polymer</i> , 2008 , 49, 5225-5232	3.9	40
14	An antimicrobial cationic reactive dye: Synthesis and applications on cellulosic fibers. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 1917-1923	2.9	23
13	Biocidal acyclic halamine polymers: Conversion of acrylamide-grafted-cotton to acyclic halamine. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 3480-3486	2.9	21
12	A High-Throughput, Controllable, and Environmentally Benign Fabrication Process of Thermoplastic Nanofibers. <i>Macromolecular Materials and Engineering</i> , 2007 , 292, 407-414	3.9	126
11	Formation and morphology of cellulose acetate butyrate (CAB)/polyolefin and CAB/polyester in situ microfibrillar and lamellar hybrid blends. <i>European Polymer Journal</i> , 2007 , 43, 3587-3596	5.2	55
10	Chemistry of Durable and Regenerable Biocidal Textiles. <i>Journal of Chemical Education</i> , 2005 , 82, 60	2.4	68
9	Durable and Regenerable Antimicrobial Textiles: Chlorine Transfer among Halamine Structures. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 852-856	3.9	28
8	Durable and regenerable antimicrobial textiles: Improving efficacy and durability of biocidal functions. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 2588-2593	2.9	62
7	Durable and regenerable antimicrobial textiles: Synthesis and applications of 3-methylol-2,2,5,5-tetramethyl-imidazolidin-4-one (MTMIO). <i>Journal of Applied Polymer Science</i> , 2003 , 89, 2418-2425	2.9	103
6	Novel regenerable N-halamine polymeric biocides. I. Synthesis, characterization, and antibacterial activity of hydantoin-containing polymers. <i>Journal of Applied Polymer Science</i> , 2001 , 80, 2460-2467	2.9	131
5	Durable and Regenerable Antibacterial Finishing of Fabrics with a New Hydantoin Derivative. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 1016-1021	3.9	120
4	A new cyclic N-halamine biocidal polymer. <i>Industrial & Engineering Chemistry Research</i> , 1994 , 33, 168-170	3.9	91
3	Sustainable and Reusable Gelatin-Based Hydrogel [Jelly Ice Cubes] as Food Coolant. II: Ideal Freeze-Thaw Conditions. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	2
2	Sustainable and Reusable Gelatin-Based Hydrogel [Jelly Ice Cubes] as Food Coolant. I: Feasibilities and Challenges. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	2
1	Novel Robust, Reusable, Microbial-Resistant, and Compostable Protein-Based Cooling Media. <i>Advanced Functional Materials</i> , 2201347	15.6	