Xiaofeng Sui

List of Publications by Citations

178	4,276	37	55
papers	citations	h-index	g-index
192	5,315	6.9	5.9
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
178	Self-propelled supramolecular nanomotors with temperature-responsive speed regulation. *Nature Chemistry*, **2017**, 9, 480-486	17.6	197
177	Synthesis of cellulose-graft-poly(N,N-dimethylamino-2-ethyl methacrylate) copolymers via homogeneous ATRP and their aggregates in aqueous media. *Biomacromolecules*, **2008**, 9, 2615-20	6.9	176
176	Cellulose-based dual graft molecular brushes as potential drug nanocarriers: stimulus-responsive micelles, self-assembled phase transition behavior, and tunable crystalline morphologies. *Biomacromolecules*, **2009**, 10, 2033-42	6.9	101
175	Cellulose Sponge Supported Palladium Nanoparticles as Recyclable Cross-Coupling Catalysts. *ACS Applied Materials & Interfaces*, **2017**, 9, 17155-17162	9.5	99
174	Redox-active cross-linkable poly(ionic liquid)s. *Journal of the American Chemical Society*, **2012**, 134, 4023-6	16.4	98
173	Redox active gels: synthesis, structures and applications. *Journal of Materials Chemistry B*, **2013**, 1, 1658-1672	7.6	97
172	Probing the collapse dynamics of poly(N-isopropylacrylamide) brushes by AFM: effects of co-nonsolvency and grafting densities. *Small*, **2011**, 7, 1440-7	11	79
171	CO-Responsive Cellulose Nanofibers Aerogels for Switchable Oil-Water Separation. *ACS Applied Materials & Interfaces*, **2019**, 11, 9367-9373	9.5	78
170	Breathing pores on command: redox-responsive spongy membranes from poly(ferrocenylsilane)s. *Angewandte Chemie - International Edition*, **2014**, 53, 13789-93	16.4	77
169	Durable flame retardant and antibacterial finishing on cotton fabrics with cyclotriphosphazene/polydopamine/silver nanoparticles hybrid coatings. *Applied Surface Science*, **2018**, 435, 1337-1343	6.7	72
168	Self-Healing Polysaccharide Hydrogel Based on Dynamic Covalent Enamine Bonds. *Macromolecular Materials and Engineering*, **2016**, 301, 725-732	3.9	70
167	Synthesis, characterization, and controllable drug release of pH-sensitive hybrid magnetic nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 2799-2804	2.8	69
166	Durable flame retardant finishing of cotton fabrics with organosilicon functionalized cyclotriphosphazene. *Polymer Degradation and Stability*, **2016**, 128, 22-28	4.7	63
165	Flexible cellulose-based thermoelectric sponge towards wearable pressure sensor and energy harvesting. *Chemical Engineering Journal*, **2018**, 338, 1-7	14.7	62
164	Facile fabrication of redox/pH dual stimuli responsive cellulose hydrogel. *Carbohydrate Polymers*, **2017**, 176, 299-306	10.3	59
163	Surface-Grafted Gel-Brush/Metal Nanoparticle Hybrids. *Advanced Functional Materials*, **2010**, 20, 939-944	15.6	59
162	Cellulose-rich oleogels prepared with an emulsion-templated approach. *Food Hydrocolloids*, **2018**, 77, 460-464	10.6	58

161	High-performance textile electrodes for wearable electronics obtained by an improved in situ polymerization method. *Chemical Engineering Journal*, **2019**, 361, 897-907	14.7	55
160	Characterization and molecular engineering of surface-grafted polymer brushes across the length scales by atomic force microscopy. *Journal of Materials Chemistry*, **2010**, 20, 4981		53
159	Poly(N-isopropylacrylamide)–poly(ferrocenylsilane) dual-responsive hydrogels: synthesis, characterization and antimicrobial applications. *Polymer Chemistry*, **2013**, 4, 337-342	4.9	52
158	Biodegradable regenerated cellulose-dispersed composites with improved properties via a pickering emulsion process. *Carbohydrate Polymers*, **2018**, 179, 86-92	10.3	50
157	Electrografting of stimuli-responsive, redox active organometallic polymers to gold from ionic liquids. *Journal of the American Chemical Society*, **2014**, 136, 7865-8	16.4	50
156	Self-healing and injectable polysaccharide hydrogels with tunable mechanical properties. *Cellulose*, **2018**, 25, 559-571	5.5	49
155	Durable antibacterial and hydrophobic cotton fabrics utilizing enamine bonds. *Carbohydrate Polymers*, **2019**, 211, 173-180	10.3	48
154	Construction of functional cellulose aerogels via atmospheric drying chemically cross-linked and solvent exchanged cellulose nanofibrils. *Chemical Engineering Journal*, **2019**, 366, 531-538	14.7	47
153	Lasting superhydrophobicity and antibacterial activity of Cu nanoparticles immobilized on the surface of dopamine modified cotton fabrics. *Surface and Coatings Technology*, **2017**, 309, 149-154	4.4	47
152	Preparation of a Rapidly Forming Poly(ferrocenylsilane)-Poly(ethylene glycol)-based Hydrogel by a Thiol-Michael Addition Click Reaction. *Macromolecular Rapid Communications*, **2010**, 31, 2059-63	4.8	47
151	Probing the thermal collapse of poly(N-isopropylacrylamide) grafts by quantitative in situ ellipsometry. *Journal of Physical Chemistry B*, **2012**, 116, 9261-8	3.4	46
150	Grafting mixed responsive brushes of poly(N-isopropylacrylamide) and poly(methacrylic acid) from gold by selective initiation. *Polymer Chemistry*, **2011**, 2, 879	4.9	46
149	Cellulose nanofibril-reinforced biodegradable polymer composites obtained via a Pickering emulsion approach. *Cellulose*, **2017**, 24, 3313-3322	5.5	42
148	A naked-eye detection polyvinyl alcohol/cellulose-based pH sensor for intelligent packaging. *Carbohydrate Polymers*, **2020**, 233, 115859	10.3	42
147	Cellulosic sponges with pH responsive wettability for efficient oil-water separation. *Carbohydrate Polymers*, **2020**, 237, 116133	10.3	41
146	Facile synthesis of microfibrillated cellulose/organosilicon/polydopamine composite sponges with flame retardant properties. *Cellulose*, **2017**, 24, 3815-3823	5.5	41
145	Fabrication of Z-scheme photocatalyst Ag/AgBr@Bi20TiO32 and its visible-light photocatalytic activity for the degradation of isoproturon herbicide. *Journal of Molecular Catalysis A*, **2015**, 406, 194-203		41
144	Electrospinning of Cellulose-Based Fibers From NaOH/Urea Aqueous System. *Macromolecular Materials and Engineering*, **2010**, 295, 695-700	3.9	41

143	Poly(lactic acid)/lignin blends prepared with the Pickering emulsion template method. *European Polymer Journal*, **2019**, 110, 378-384	5.2	41
142	Poly(lactic acid)/cellulose nanocrystal composites via the Pickering emulsion approach: Rheological, thermal and mechanical properties. *International Journal of Biological Macromolecules*, **2019**, 137, 197-204	7.9	38
141	Facile preparation of polysaccharide-based sponges and their potential application in wound dressing. *Journal of Materials Chemistry B*, **2018**, 6, 634-640	7.3	37
140	Synthesis, characterization, and thermal properties of dendrimer-star, block-comb copolymers by ring-opening polymerization and atom transfer radical polymerization. *Journal of Polymer Science Part A*, **2006**, 44, 6575-6586	2.5	37
139	Chemical crosslinking reinforced flexible cellulose nanofiber-supported cryogel. *Cellulose*, **2018**, 25, 573-582	5.5	37
138	Highly Swellable, Dual-Responsive Hydrogels Based on PNIPAM and Redox Active Poly(ferrocenylsilane) Poly(ionic liquid)s: Synthesis, Structure, and Properties. *Macromolecular Rapid Communications*, **2016**, 37, 1939-1944	4.8	36
137	Shape-stabilized hydrated salt/paraffin composite phase change materials for advanced thermal energy storage and management. *Chemical Engineering Journal*, **2020**, 385, 123958	14.7	36
136	Catalytic MOF-loaded cellulose sponge for rapid degradation of chemical warfare agents simulant. *Carbohydrate Polymers*, **2019**, 213, 184-191	10.3	36
135	Collapse from the top: brushes of poly(N-isopropylacrylamide) in co-nonsolvent mixtures. *Soft Matter*, **2014**, 10, 3134-42	3.6	35
134	Construction of up-converting fluorescent carbon quantum dots/Bi20TiO32 composites with enhanced photocatalytic properties under visible light. *Chemical Engineering Journal*, **2017**, 310, 79-90	14.7	35
133	Thiol□ne click reaction on cellulose sponge and its application for oil/water separation. *RSC Advances*, **2017**, 7, 20147-20151	3.7	33
132	Chitosan-bound carboxymethylated cotton fabric and its application as wound dressing. *Carbohydrate Polymers*, **2019**, 221, 202-208	10.3	33
131	Electrochemical sensing by surface-immobilized poly(ferrocenylsilane) grafts. *Journal of Materials Chemistry*, **2012**, 22, 11261		33
130	PAN supported Ag-AgBr@Bi20TiO32 electrospun fiber mats with efficient visible light photocatalytic activity and antibacterial capability. *Separation and Purification Technology*, **2017**, 176, 277-286	8.3	32
129	Robust formation of biodegradable polymersomes by direct hydration. *Polymer Chemistry*, **2015**, 6, 691-696	4.9	32
128	Effect of Counterion Choice on the Stability of Cellulose Nanocrystal Pickering Emulsions. *Industrial & Engineering Chemistry Research*, **2018**, 57, 7169-7180	3.9	32
127	Covalent layer-by-layer assembly of redox-active polymer multilayers. *Langmuir*, **2013**, 29, 7257-65	4	32
126	Mechanically flexible, waterproof, breathable cellulose/polypyrrole/polyurethane composite aerogels as wearable heaters for personal thermal management. *Chemical Engineering Journal*, **2020**, 402, 126222	14.7	32

125	Multifaceted applications of cellulosic porous materials in environment, energy, and health. *Progress in Polymer Science*, **2020**, 106, 101253	29.6	31
124	Polysaccharide-based edible emulsion gel stabilized by regenerated cellulose. *Food Hydrocolloids*, **2019**, 91, 232-237	10.6	31
123	Nanostructured Polymer Brushes by UV-Assisted Imprint Lithography and Surface-Initiated Polymerization for Biological Functions. *Advanced Functional Materials*, **2011**, 21, 2088-2095	15.6	29
122	Synthesis of fibrous LaFeO perovskite oxide for adsorption of Rhodamine B. *Ecotoxicology and Environmental Safety*, **2019**, 168, 35-44	7	29
121	In Vitro Digestion of Oil-in-Water Emulsions Stabilized by Regenerated Chitin. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 12344-12352	5.7	29
120	Redox-responsive organometallic microgel particles prepared from poly(ferrocenylsilane)s generated using microfluidics. *Chemical Communications*, **2014**, 50, 3058-60	5.8	28
119	A light-weight and high-efficacy antibacterial nanocellulose-based sponge via covalent immobilization of gentamicin. *Carbohydrate Polymers*, **2018**, 200, 595-601	10.3	27
118	Enzymatic degradation of PLA/cellulose nanocrystal composites. *Industrial Crops and Products*, **2019**, 141, 111799	5.9	26
117	Microencapsulated phase change material via Pickering emulsion stabilized by graphene oxide for photothermal conversion. *Journal of Materials Science*, **2020**, 55, 7731-7742	4.3	25
116	A shape-stable phase change composite prepared from cellulose nanofiber/polypyrrole/polyethylene glycol for electric-thermal energy conversion and storage. *Chemical Engineering Journal*, **2020**, 400, 125950	14.7	25
115	Preparation of Cellulose Nanofibers/Nanoparticles via Electrospray. *Chemistry Letters*, **2008**, 37, 114-115	1.7	25
114	Copper-loaded nanocellulose sponge as a sustainable catalyst for regioselective hydroboration of alkynes. *Carbohydrate Polymers*, **2018**, 191, 17-24	10.3	24
113	Thin film hydrogels from redox responsive poly(ferrocenylsilanes): Preparation, properties, and applications in electrocatalysis. *European Polymer Journal*, **2015**, 72, 535-542	5.2	23
112	High-Temperature Auto-Cross-Linking Cyclotriphosphaznene: Synthesis and Application in Flame Retardance and Antidripping Poly(ethylene terephthalate). *Industrial & Engineering Chemistry Research*, **2015**, 54, 3788-3799	3.9	22
111	Cellulosic scaffolds doped with boron nitride nanosheets for shape-stabilized phase change composites with enhanced thermal conductivity. *International Journal of Biological Macromolecules*, **2020**, 148, 627-634	7.9	22
110	Fabrication of Thermoresponsive Polymer-Functionalized Cellulose Sponges: Flexible Porous Materials for Stimuli-Responsive Catalytic Systems. *ACS Applied Materials & Interfaces*, **2018**, 10, 27831-27839	9.5	22
109	Facile synthesis of cellulose derivatives based on cellulose acetoacetate. *Carbohydrate Polymers*, **2017**, 170, 117-123	10.3	21
108	Stability and Cell Adhesion Properties of Poly(N-isopropylacrylamide) Brushes with Variable Grafting Densities. *Australian Journal of Chemistry*, **2011**, 64, 1261	1.2	21

107	Stable microencapsulated phase change materials with ultrahigh payload for efficient cooling of mobile electronic devices. *Energy Conversion and Management*, **2020**, 223, 113478	10.6	20
106	A Nature-Inspired Monolithic Integrated Cellulose Aerogel-Based Evaporator for Efficient Solar Desalination. *ACS Applied Materials & Interfaces*, **2021**, 13, 10612-10622	9.5	20
105	Construction of CQDs-Bi 20 TiO 32 /PAN electrospun fiber membranes and their photocatalytic activity for isoproturon degradation under visible light. *Materials Research Bulletin*, **2017**, 94, 7-14	5.1	19
104	High-performance polypyrrole coated knitted cotton fabric electrodes for wearable energy storage. *Organic Electronics*, **2019**, 74, 59-68	3.5	19
103	Oil-in-water Pickering emulsions from three plant-derived regenerated celluloses. *Carbohydrate Polymers*, **2019**, 207, 755-763	10.3	19
102	Facile Fabrication of Robust and Stretchable Cellulose Nanofibers/Polyurethane Hybrid Aerogels. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 8977-8985	8.3	17
101	Smart cotton fabric screen-printed with viologen polymer: photochromic, thermochromic and ammonia sensing. *Cellulose*, **2020**, 27, 2939-2952	5.5	17
100	Facile fabrication of carboxymethyl chitosan/paraffin coated carboxymethylated cotton fabric with asymmetric wettability for hemostatic wound dressing. *Cellulose*, **2020**, 27, 3443-3453	5.5	17
99	Facile fabrication of thiol-modified cellulose sponges for adsorption of Hg2+ from aqueous solutions. *Cellulose*, **2018**, 25, 3025-3035	5.5	17
98	Multi-responsive, self-healing and adhesive PVA based hydrogels induced by the ultrafast complexation of Fe ions. *Soft Matter*, **2019**, 15, 7404-7411	3.6	17
97	The fabrication of polylactide/cellulose nanocomposites with enhanced crystallization and mechanical properties. *International Journal of Biological Macromolecules*, **2020**, 155, 1578-1588	7.9	17
96	Enamine Approach for Versatile and Reversible Functionalization on Cellulose Related Porous Sponges. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 9028-9036	8.3	17
95	Functionalization of cotton fabric with bismuth oxyiodide nanosheets: applications for photodegrading organic pollutants, UV shielding and self-cleaning. *Cellulose*, **2019**, 26, 2873-2884	5.5	16
94	Regenerated cellulose-dispersed polystyrene composites enabled via Pickering emulsion polymerization. *Carbohydrate Polymers*, **2019**, 223, 115079	10.3	16
93	Construction of a metallic silver nanoparticle-decorated bismuth oxybromide-based composite material as a readily recyclable photocatalyst. *Journal of Cleaner Production*, **2020**, 246, 119007	10.3	16
92	Transforming commercial regenerated cellulose yarns into multifunctional wearable electronic textiles. *Journal of Materials Chemistry C*, **2020**, 8, 1309-1318	7.1	16
91	An autonomously healable, highly stretchable and cyclically compressible, wearable hydrogel as a multimodal sensor. *Polymer Chemistry*, **2020**, 11, 1327-1336	4.9	16
90	Antibacterial phase change microcapsules obtained with lignin as the Pickering stabilizer and the reducing agent for silver. *International Journal of Biological Macromolecules*, **2020**, 144, 624-631	7.9	16

89	Tailoring the droplet size of Pickering emulsions by PISA synthesized polymeric nanoparticles. *Polymer*, **2020**, 206, 122853	3.9	15
88	Biginelli reaction on cellulose acetoacetate: a new approach for versatile cellulose derivatives. *Carbohydrate Polymers*, **2019**, 209, 223-229	10.3	15
87	Preparation of upconversion Yb3+ doped microspherical BiOI with promoted photocatalytic performance. *Solid State Sciences*, **2018**, 75, 45-52	3.4	15
86	Rheology of regenerated cellulose suspension and influence of sodium alginate. *International Journal of Biological Macromolecules*, **2020**, 148, 811-816	7.9	14
85	Cellulose nanocrystals-composited poly (methyl methacrylate) encapsulated n-eicosane via a Pickering emulsion-templating approach for energy storage. *Carbohydrate Polymers*, **2020**, 234, 115934	10.3	14
84	A novel low add-on technology of dyeing cotton fabric with reactive dyestuff. *Textile Reseach Journal*, **2018**, 88, 1345-1355	1.7	14
83	Sponges with Janus Character from Nanocellulose: Preparation and Applications in the Treatment of Hemorrhagic Wounds. *Advanced Healthcare Materials*, **2020**, 9, e1901796	10.1	14
82	Novel organic-inorganic hybrid polyphosphazene modified manganese hypophosphite shuttles towards the fire retardance and anti-dripping of PET. *European Polymer Journal*, **2019**, 120, 109270	5.2	13
81	Grafting of PEG onto lanthanum hydroxide nanowires. *Materials Letters*, **2008**, 62, 4078-4080	3.3	13
80	Bio-based polymer colorants from nonaqueous reactive dyeing of regenerated cellulose for plastics and textiles. *Carbohydrate Polymers*, **2019**, 206, 734-741	10.3	13
79	Lignin assisted Pickering emulsion polymerization to microencapsulate 1-tetradecanol for thermal management. *International Journal of Biological Macromolecules*, **2020**, 146, 1-8	7.9	12
78	A waterborne bio-based polymer pigment: colored regenerated cellulose suspension from waste cotton fabrics. *Cellulose*, **2018**, 25, 7369-7379	5.5	12
77	Application of self-templated PHMA sub-microtubes in enhancing flame-retardance and anti-dripping of PET. *Polymer Degradation and Stability*, **2018**, 154, 239-247	4.7	11
76	Highly Efficient Oxidative Desulfurization Catalyzed by a Polyoxometalate/Carbonized Cellulose Nanofiber Composite. *Energy & Fuels*, **2020**, 34, 778-786	4.1	11
75	Fabrication of novel rGO/Bi20TiO32 heterojunction for enhanced visible-light photocatalytic activity. *Journal of Photochemistry and Photobiology A: Chemistry*, **2016**, 329, 18-25	4.7	11
74	High-energy storage graphene oxide modified phase change microcapsules from regenerated chitin Pickering Emulsion for photothermal conversion. *Solar Energy Materials and Solar Cells*, **2021**, 222, 110924	6.4	11
73	Polyphosphazene microspheres modified with transition metal hydroxystannate for enhancing the flame retardancy of polyethylene terephthalate. *Polymers for Advanced Technologies*, **2020**, 31, 1194-1207	3.2	10
72	Temperature-responsive cellulose sponge with switchable pore size: Application as a water flow manipulator. *Materials Letters*, **2018**, 210, 337-340	3.3	10

71	The flame-retardant properties and mechanisms of poly(ethylene terephthalate)/hexakis (para-allyloxyphenoxy) cyclotriphosphazene systems. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	10
70	Preparation and characterization of carboxymethylated cotton fabrics as hemostatic wound dressing. *International Journal of Biological Macromolecules*, **2020**, 160, 18-25	7.9	10
69	Antibacterial thyme oil-loaded organo-hydrogels utilizing cellulose acetoacetate as reactive polymer emulsifier. *International Journal of Biological Macromolecules*, **2020**, 147, 18-23	7.9	10
68	Fabrication of lignin/poly(3-hydroxybutyrate) nanocomposites with enhanced properties via a Pickering emulsion approach. *International Journal of Biological Macromolecules*, **2020**, 165, 3078-3087	7.9	10
67	The comb-like modified styrene-maleic anhydride copolymer dispersant for disperse dyes. *Journal of Applied Polymer Science*, **2019**, 136, 47330	2.9	10
66	An acid-seeking carrier-free drug achieves high antitumor activity via a "solution-particle" transition. *Journal of Controlled Release*, **2017**, 262, 305-316	11.7	9
65	Controlled Surface Initiated Polymerization of N-Isopropylacrylamide from Polycaprolactone Substrates for Regulating Cell Attachment and Detachment. *Israel Journal of Chemistry*, **2012**, 52, 339-346	3.4	9
64	Precipitated silica agglomerates reinforced with cellulose nanofibrils as adsorbents for heavy metals.. *RSC Advances*, **2018**, 8, 33129-33137	3.7	9
63	Enhancing electrical conductivity and electrical stability of polypyrrole-coated cotton fabrics via surface microdissolution. *Journal of Applied Polymer Science*, **2019**, 136, 47515	2.9	8
62	Synergistic effects of a novel silicon-containing triazine charring agent on the flame-retardant properties of poly(ethylene terephthalate)/hexakis (4-phenoxy)cyclotriphosphazene composites. *Polymer Composites*, **2018**, 39, 858-868	3	8
61	Breathing Pores on Command: Redox-Responsive Spongy Membranes from Poly(ferrocenylsilane)s. *Angewandte Chemie*, **2014**, 126, 14009-14013	3.6	8
60	Flexible and Robust Bacterial Cellulose-Based Ionogels with High Thermoelectric Properties for Low-Grade Heat Harvesting. *Advanced Functional Materials*,2107105	15.6	8
59	Flame-retardant poly (ethylene terephthalate) enabled by a novel melamine polyphosphate nanowire. *Polymers for Advanced Technologies*, **2020**, 31, 795-806	3.2	8
58	Acetone/Water Cosolvent Approach to Lignin Nanoparticles with Controllable Size and Their Applications for Pickering Emulsions. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 5470-5480	8.3	8
57	Synthetic semicrystalline cellulose oligomers as efficient Pickering emulsion stabilizers. *Carbohydrate Polymers*, **2021**, 254, 117445	10.3	8
56	Durable and Effective Antibacterial Cotton Fabric Collaborated with Polypropylene Tissue Mesh for Abdominal Wall Defect Repair. *ACS Biomaterials Science and Engineering*, **2020**, 6, 3868-3877	5.5	7
55	Aggregation behaviors of thermo-responsive methylcellulose in water: A molecular dynamics simulation study. *Journal of Molecular Graphics and Modelling*, **2020**, 97, 107554	2.8	7
54	Sag control of waterborne acrylic latex with regenerated nanocellulose suspension. *Progress in Organic Coatings*, **2018**, 123, 146-152	4.8	7

53	Self-healing and acidochromic polyvinyl alcohol hydrogel reinforced by regenerated cellulose. *Carbohydrate Polymers*, **2021**, 255, 117331	10.3	7
52	A heterogeneous binary solvent system for recyclable reactive dyeing of cotton fabrics. *Cellulose*, **2018**, 25, 7381-7392	5.5	7
51	Biphasic organohydrogels based on phase change materials with excellent thermostability for thermal management applications. *Chemical Engineering Journal*, **2021**, 416, 129181	14.7	7
50	Nanocellulose-mediated transparent high strength conductive hydrogel based on in-situ formed polypyrrole nanofibrils as a multimodal sensor. *Carbohydrate Polymers*, **2021**, 273, 118600	10.3	7
49	Preparation and characterization of biodegradable poly(?-caprolactone) self-reinforced composites and their crystallization behavior. *Polymer International*, **2017**, 66, 1555-1563	3.3	6
48	Pickering emulsion process assisted construction of regenerated chitin reinforced poly (lactic acid) blends. *International Journal of Biological Macromolecules*, **2019**, 140, 10-16	7.9	6
47	Regenerated chitin reinforced polyhydroxybutyrate composites via Pickering emulsion template with improved rheological, thermal, and mechanical properties. *Composites Communications*, **2021**, 25, 100655	6.7	6
46	Robust Fabrication of Fluorescent Cellulosic Materials via Hantzsch Reaction. *Macromolecular Rapid Communications*, **2021**, 42, e2000496	4.8	6
45	A facile method for fabricating color adjustable multifunctional cotton fabrics with solid solution BiOBrxI1⊠ nanosheets. *Cellulose*, **2020**, 27, 3517-3530	5.5	5
44	Dually self-reinforced Poly(⊟caprolactone) composites based on unidirectionally arranged fibers. *Composites Science and Technology*, **2018**, 165, 331-338	8.6	5
43	A recyclable 3D g-C3N4 based nanocellulose aerogel composite for photodegradation of organic pollutants. *Cellulose*, **2021**, 28, 3531-3547	5.5	5
42	A study of the diffusion behaviour of reactive dyes in cellulose fibres using confocal Raman microscopy. *Coloration Technology*, **2020**, 136, 503-511	2	4
41	Injectable and self-healing hydrogel as a stem cells carrier for treatment of diabetic erectile dysfunction. *Materials Science and Engineering C*, **2020**, 116, 111214	8.3	4
40	Real-time monitoring of multicomponent reactive dye adsorption on cotton fabrics by Raman spectroscopy. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 230, 118051	4.4	4
39	Calcium functioned carboxymethylated cotton fabric for hemostatic wound dressing. *Cellulose*, **2020**, 27, 10139-10149	5.5	4
38	Stable sunflower oil oleogel from oil/water pickering emulsion with regenerated chitin. *LWT - Food Science and Technology*, **2021**, 146, 111483	5.4	4
37	Rheology of PLA/regenerated cellulose nanocomposites prepared by the pickering emulsion process: Network formation and modeling. *Materials and Design*, **2021**, 206, 109774	8.1	4
36	Preparation and properties of poly(⊟caprolactone) self-reinforced composites based on fibers/matrix structure. *Journal of Applied Polymer Science*, **2017**, 134,	2.9	3

35	Nanocellulose sponges as efficient continuous flow reactors. *Carbohydrate Polymers*, **2019**, 224, 115184	10.3	3
34	Preparation and characterization of polyphosphazene-based flame retardants with different functional groups. *Polymer Degradation and Stability*, **2022**, 196, 109815	4.7	3
33	Synthesis and application of poly (cyclotriphosphazene-resveratrol) microspheres for enhancing flame retardancy of poly (ethylene terephthalate). *Polymers for Advanced Technologies*,	3.2	3
32	The effect of the degree of substitution on the solubility of cellulose acetoacetates in water: A molecular dynamics simulation and density functional theory study. *Carbohydrate Research*, **2020**, 496, 108134	2.9	3
31	g-C3N4 nanosheets exfoliated by green wet ball milling process for photodegradation of organic pollutants. *Chemical Physics Letters*, **2021**, 766, 138335	2.5	3
30	Enzymatic graft polymerization from cellulose acetoacetate: a versatile strategy for cellulose functionalization. *Cellulose*, **2021**, 28, 691-701	5.5	3
29	Effect of solvophilic chain length in PISA particles on Pickering emulsion. *Chinese Journal of Chemistry*,	4.9	3
28	Making polymers colored and stiffer by dyed regenerated cellulose employing Pickering emulsions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 592, 124601	5.1	2
27	Study of the aggregation behaviour of three primary reactive dyes via molecular dynamics simulations. *Molecular Simulation*, **2020**, 46, 627-637	2	2
26	Asymmetric composite wound dressing with hydrophobic flexible bandage and tissue-adhesive hydrogel for joints skin wound healing. *Composites Part B: Engineering*, **2022**, 235, 109762	10	2
25	Effect of weak intermolecular interactions in micro/nanoscale polyphosphazenes and polyethylene terephthalate composites on flame retardancy. *Polymers for Advanced Technologies*,	3.2	2
24	Poly(lactic acid)/carbon nanotube composites with enhanced electrical conductivity via a two-step dispersion strategy. *Composites Communications*, **2022**, 30, 101087	6.7	1
23	Highly Stable and Nonflammable Hydrated Salt-Paraffin Shape-Memory Gels for Sustainable Building Technology. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 15442-15450	8.3	1
22	High-tensile regenerated cellulose films enabled by unexpected enhancement of cellulose dissolution in cryogenic aqueous phosphoric acid. *Carbohydrate Polymers*, **2022**, 277, 118878	10.3	1
21	Lightweight, Environmentally Friendly, and Underwater Superelastic 3D-Architectured Aerogels for Efficient Protein Separation. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 11738-11747	8.3	1
20	Thermally conductive poly(lactic acid)/boron nitride composites via regenerated cellulose assisted Pickering emulsion approach. *Journal of Materials Science and Technology*, **2022**, 101, 146-154	9.1	1
19	Integrated Janus cellulosic composite with multiple thermal functions for personalized thermal management.. *Carbohydrate Polymers*, **2022**, 288, 119409	10.3	1
18	Morphology-Controlled Synthesis of Polyphosphazene-Based Micro- and Nano-Materials and Their Application as Flame Retardants. *Polymers*, **2022**, 14, 2072	4.5	1

List of Publications

17	Catalytic Performance of Pd Nanoparticles Obtained by Direct Reduction in Cellulose–Poly(ferrocenylsilane) Hybrid Sponges. *Advanced Materials Interfaces*,2101664	4.6	0
16	Acrylonitrile-butadiene-styrene-based composites derived from "fish-net"-inspired Pickering emulsion for high-performance electromagnetic interference shielding and thermal management. *Composites Communications*, **2022**, 30, 101085	6.7	0
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