Chaoxia Wang

List of Publications by Citations

146 papers	2,572 citations	25 h-index	43 g-index
153 ext. papers	3,168 ext. citations	5.3 avg, IF	5.78 L-index

#	Paper	IF	Citations
146	Environmentally-friendly conductive cotton fabric as flexible strain sensor based on hot press reduced graphene oxide. *Carbon*, **2017**, 111, 622-630	10.4	231
145	Fully inkjet-printed two-dimensional material field-effect heterojunctions for wearable and textile electronics. *Nature Communications*, **2017**, 8, 1202	17.4	230
144	Dispersibility and Hydrophobicity Analysis of Titanium Dioxide Nanoparticles Grafted with Silane Coupling Agent. *Industrial & Engineering Chemistry Research*, **2011**, 50, 11930-11934	3.9	81
143	Decolorization of Methylene Blue withTiO2Sol via UV Irradiation Photocatalytic Degradation. *International Journal of Photoenergy*, **2010**, 2010, 1-6	2.1	65
142	Multifunctional surface modification of silk fabric via graphene oxide repeatedly coating and chemical reduction method. *Applied Surface Science*, **2017**, 405, 380-388	6.7	64
141	Robust UV-cured superhydrophobic cotton fabric surfaces with self-healing ability. *Materials and Design*, **2017**, 116, 395-402	8.1	61
140	Superhydrophobic-superhydrophilic switchable wettability via TiO2 photoinduction electrochemical deposition on cellulose substrate. *Chemical Engineering Journal*, **2016**, 289, 99-105	14.7	56
139	A new approach to fabricate graphene electro-conductive networks on natural fibers by ultraviolet curing method. *Synthetic Metals*, **2014**, 193, 41-47	3.6	53
138	A new approach for the preparation of durable and reversible color changing polyester fabrics using thermochromic leuco dye-loaded silica nanocapsules. *Journal of Materials Chemistry C*, **2017**, 5, 8169-8178	7.1	51
137	Synthesis of polymeric dyes based on waterborne polyurethane for improved color stability. *New Journal of Chemistry*, **2015**, 39, 3543-3550	3.6	45
136	UV-Cured Fluoride-Free Polyurethane Functionalized Textile with pH-Induced Switchable Superhydrophobicity and Underwater Superoleophobicity for Controllable Oil/Water Separation. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 16616-16628	8.3	43
135	Synthesis of polymeric dyes based on UV curable multifunctional waterborne polyurethane for textile coating. *New Journal of Chemistry*, **2017**, 41, 619-627	3.6	42
134	Inkjet printing effects of pigment inks on silk fabrics surface-modified with O2 plasma. *Journal of Applied Polymer Science*, **2008**, 107, 2949-2955	2.9	40
133	Dyeing of cationised cotton using nanoscale pigment dispersions. *Coloration Technology*, **2005**, 121, 325-328	2	39
132	Environmental stimuli-responsive self-repairing waterbased superhydrophobic coatings. *RSC Advances*, **2017**, 7, 543-550	3.7	36
131	Characterization of chitosan microparticles reinforced cellulose biocomposite sponges regenerated from ionic liquid. *Cellulose*, **2014**, 21, 4405-4418	5.5	36
130	Covalent bonding and photochromic properties of double-shell polyurethane-chitosan microcapsules crosslinked onto cotton fabric. *Cellulose*, **2015**, 22, 1427-1438	5.5	35

129	Optimization of natural anthocyanin efficient extracting from purple sweet potato for silk fabric dyeing. *Journal of Cleaner Production*, **2017**, 149, 673-679	10.3	33
128	Facile synthesis of a nanocomposite based on graphene and ZnAl layered double hydroxides as a portable shelf of a luminescent sensor for DNA detection. *RSC Advances*, **2015**, 5, 9341-9347	3.7	32
127	The antibacterial finish of cotton via sols containing quaternary ammonium salts. *Journal of Sol-Gel Science and Technology*, **2009**, 50, 15-21	2.3	31
126	Insight into a Fast-Phototuning Azobenzene Switch for Sustainably Tailoring the Foam Stability. *ACS Applied Materials & Interfaces*, **2017**, 9, 13778-13784	9.5	30
125	Highly conductive and flexible silk fabric via electrostatic self assemble between reduced graphene oxide and polyaniline. *Organic Electronics*, **2018**, 55, 26-34	3.5	29
124	A recycled foam coloring approach based on the reversible photo-isomerization of an azobenzene cationic surfactant. *Green Chemistry*, **2016**, 18, 3972-3980	10	29
123	A ruthenium(II) complex as turn-on Cu(II) luminescent sensor based on oxidative cyclization mechanism and its application in vivo. *Scientific Reports*, **2015**, 5, 8172	4.9	27
122	Alterable Superhydrophobic−Superhydrophilic Wettability of Fabric Substrates Decorated with Ion−TiO2 Coating via Ultraviolet Radiation. *Industrial & Engineering Chemistry Research*, **2014**, 53, 14322-14328	3.9	26
121	Graphene oxide/waterborne polyurethane composites for fine pattern fabrication and ultrastrong ultraviolet protection cotton fabric via screen printing. *Applied Surface Science*, **2019**, 463, 403-411	6.7	25
120	Water-soluble cationic chitosan derivative to improve pigment-based inkjet printing and antibacterial properties for cellulose substrates. *Journal of Applied Polymer Science*, **2012**, 125, 1674-1680	2.9	25
119	Surface pretreatment of polyester fabric for ink jet printing with radio frequency O2 plasma. *Fibers and Polymers*, **2010**, 11, 223-228	2	25
118	Wearable solid-state capacitors based on two-dimensional material all-textile heterostructures. *Nanoscale*, **2019**, 11, 9912-9919	7.7	24
117	Synthesis of photo-responsive azobenzene molecules with different hydrophobic chain length for controlling foam stability. *RSC Advances*, **2016**, 6, 60138-60144	3.7	24
116	Drug release of yolk/shell microcapsule controlled by pH-responsive yolk swelling. *Chemical Engineering Journal*, **2017**, 327, 953-961	14.7	24
115	An evaluation of the dyeing behavior of sol−gel silica doped with direct dyes. *Journal of Sol-Gel Science and Technology*, **2008**, 48, 308-314	2.3	24
114	Isolation and recovery of cellulose from waste nylon/cotton blended fabrics by 1-allyl-3-methylimidazolium chloride. *Carbohydrate Polymers*, **2015**, 123, 424-31	10.3	23
113	A stretchable and hydrophobic polypyrrole/knitted cotton fabric electrode for all-solid-state supercapacitor with excellent strain capacitance. *Electrochimica Acta*, **2019**, 297, 794-804	6.7	23
112	A low-cost piezoresistive pressure sensor with a wide strain range featuring polyurethane sponge@poly(vinyl alcohol)/sulfuric gel electrolyte. *Journal of Materials Chemistry C*, **2021**, 9, 1014-1024	7.1	23

111	Facile preparation of self-healing waterborne superhydrophobic coatings based on fluoroalkyl silane-loaded microcapsules. *RSC Advances*, **2016**, 6, 53949-53954	3.7	22
110	Multifunctional fabric coatings with slow-releasing fragrance and UV resistant properties from ethyl cellulose/silica hybrid microcapsules. *Carbohydrate Polymers*, **2020**, 232, 115821	10.3	22
109	A hydrophobic conductive strip with outstanding one-dimensional stretchability for wearable heater and strain sensor. *Chemical Engineering Journal*, **2021**, 404, 126393	14.7	22
108	An attempt of improving polyester inkjet printing performance by surface modification using Ecyclodextrin. *Surface and Interface Analysis*, **2012**, 44, 1324-1330	1.5	21
107	Water-repellent functional coatings through hybrid SiO2/HTEOS/CPTS sol on the surfaces of cellulose fibers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 417, 120-125	5.1	21
106	Self-Healing Titanium Dioxide Nanocapsules-Graphene/Multi-Branched Polyurethane Hybrid Flexible Film with Multifunctional Properties toward Wearable Electronics. *Advanced Functional Materials*, **2021**, 31, 2011133	15.6	20
105	Anthraquinone chromophore covalently bonded blocked waterborne polyurethanes: synthesis and application. *RSC Advances*, **2015**, 5, 30631-30639	3.7	19
104	Recycling of waste nylon 6/spandex blended fabrics by melt processing. *Composites Part B: Engineering*, **2015**, 77, 232-237	10	19
103	Dual-responsive cellulose fabric based on reversible acidichromic and photoisomeric polymeric dye containing pendant azobenzene. *Sensors and Actuators B: Chemical*, **2018**, 266, 195-203	8.5	19
102	Facile fabrication of durable superhydrophobic and oleophobic surface on cellulose substrate via thiol-ene click modification. *Applied Surface Science*, **2019**, 493, 1004-1012	6.7	18
101	Photo-responsive foam control base on nonionic azobenzene surfactant as stabilizer. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 560, 366-375	5.1	18
100	Synthesis of blocked waterborne polyurethane polymeric dyes with tailored molecular weight: thermal, rheological and printing properties. *RSC Advances*, **2016**, 6, 56831-56838	3.7	17
99	Adhesion improvement of UV-curable ink using silane coupling agent onto glass substrate. *Journal of Adhesion Science and Technology*, **2013**, 27, 1499-1510	2	17
98	Extraction of natural dyes from Alpinia blepharocalyx K. Schum. for dyeing of silk fabric. *Coloration Technology*, **2013**, 129, 32-38	2	17
97	Fabrication and characterization of self-assembled multifunctional coating deposition on a cellulose substrate. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 399, 92-99	5.1	17
96	Surface Deposition on Cellulose Substrate via Cationic SiO2/TiO2 Hybrid Sol for Transfer Printing Using Disperse Dye. *Industrial & Engineering Chemistry Research*, **2013**, 52, 10656-10663	3.9	16
95	Multifunctional performances of nanocomposite SiO2/TiO2 doped cationic EBODAC film coated on natural cellulose matrix. *Journal of Sol-Gel Science and Technology*, **2011**, 59, 36-42	2.3	16
94	High-Performance Thermoresponsive Dual-Output Dye System for Smart Textile Application. *Advanced Functional Materials*, **2020**, 30, 1906463	15.6	16

93	Dynamic Assemblies of Molecular Motor Amphiphiles Control Macroscopic Foam Properties. *Journal of the American Chemical Society*, **2020**, 142, 10163-10172	16.4	15
92	Synthesis of transparent covalently self-colored polyurethane based on anthraquinone chromophore chain extenders. *Progress in Organic Coatings*, **2018**, 123, 1-9	4.8	14
91	Superfine pigment dyeing of silk fabric by exhaust process. *Fibers and Polymers*, **2007**, 8, 225-229	2	14
90	High-performance textile piezoelectric pressure sensor with novel structural hierarchy based on ZnO nanorods array for wearable application. *Nano Research*, **2021**, 14, 3969	10	13
89	A flexible and stretchable polypyrrole/knitted cotton for electrothermal heater. *Organic Electronics* , **2020**, 85, 105819	3.5	12
88	Dynamically modifiable wettability comparisons of the hydrophilic and hydrophobic substrates coated with F/TiO2 hybrid sol by UV irradiation. *Applied Surface Science*, **2013**, 283, 482-489	6.7	12
87	A facile restructuring of 3D high water absorption aerogels from methoxy polyethylene glycol-polycaprolactone (mPEG-PCL) nanofibers. *Materials Science and Engineering C*, **2019**, 94, 965-975	8.3	12
86	Temperature induced color changing cotton fabricated via grafting epoxy modified thermochromic capsules. *Cellulose*, **2019**, 26, 5745-5756	5.5	11
85	Discrimination of DNA from RNA with the host–guest complexes of tricyclic basic dyes and cucurbit[8]uril. *New Journal of Chemistry*, **2014**, 38, 1396	3.6	11
84	Synthesis of blocked and branched waterborne polyurethanes for pigment printing applications. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	11
83	Removal of spandex from nylon/spandex blended fabrics by selective polymer degradation. *Textile Reseach Journal*, **2014**, 84, 16-27	1.7	11
82	Preparation, characterization, and dyeing properties of calcium alginate fibers. *Journal of Applied Polymer Science*, **2012**, 126, E383-E388	2.9	11
81	Properties of the Nanoscale Hydrophilic Cationic Pigment Based on Quaternary Surfactant. *Journal of Dispersion Science and Technology*, **2008**, 29, 52-57	1.5	11
80	Photoresponsive aqueous foams with controllable stability from nonionic azobenzene surfactants in multiple-component systems. *Soft Matter*, **2019**, 15, 8313-8319	3.6	11
79	A novel strategy for realising environmentally friendly pigment foam dyeing using polyoxyethylene ether surfactant C14EO5 as a foam controller. *Coloration Technology*, **2017**, 133, 253-261	2	10
78	Thermochromic behavior analysis of terminated polyurethane functionalized with rhodamine B derivative. *Progress in Organic Coatings*, **2019**, 131, 111-118	4.8	10
77	Preparation and characterization of PAM/SA tough hydrogels reinforced by IPN technique based on covalent/ionic crosslinking. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	10
76	Sol–gel synthesis and characterizations of organically modified silica coatings on knitted cellulose for fixation applications. *Progress in Organic Coatings*, **2012**, 73, 14-18	4.8	10

75	Effect of pigment particle character on dyeing performance of cotton fabrics. *Fibers and Polymers*, **2013**, 14, 1019-1023	2	10
74	Improvement of ink-jet printing performances using β-cyclodextrin forming inclusion complex on cotton fabric. *Fibers and Polymers*, **2017**, 18, 619-624	2	10
73	Hydrophobic properties and color effects of hybrid silica spin-coatings on cellulose matrix. *Journal of Materials Science*, **2011**, 46, 6682-6689	4.3	10
72	New approach to impart antibacterial effect and improve ink jet printing properties with modified SiO2 sols containing cationic biocides. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2010**, 361, 51-55	5.1	10
71	A versatile and recycled pigment foam coloring approach for natural and synthetic fibers with nearly-zero pollutant discharge. *Journal of Cleaner Production*, **2020**, 243, 118504	10.3	10
70	Investigation of disperse fluorescent ink formulation via thermal transfer printing for polyester substrate. *Textile Reseach Journal*, **2017**, 87, 2146-2153	1.7	9
69	The Electrical-Triggered High Contrast and Reversible Color-Changing Janus Fabric Based on Double Side Coating. *ACS Applied Materials & Interfaces*, **2020**, 12, 21854-21862	9.5	9
68	Natural printed silk substrate circuit fabricated via surface modification using one step thermal transfer and reduction graphene oxide. *Applied Surface Science*, **2018**, 440, 177-185	6.7	9
67	Fabrication of durable hydrophobic cellulose surface from silane-functionalized silica hydrosol via electrochemically assisted deposition. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	9
66	Optimization of Natural Dye Extracted from Phytolaccaceae Berries and Its Mordant Dyeing Properties on Natural Silk Fabric. *Journal of Natural Fibers*, **2018**, 15, 69-79	1.8	9
65	One-bath one-step low-temperature dyeing of polyester/cotton blended fabric with cationic dyes via β-cyclodextrin modification. *Textile Reseach Journal*, **2019**, 89, 1699-1711	1.7	8
64	Acrylic yarns dyeing properties of cationic ultra-fine pigment modified by TDBAC. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 431, 114-119	5.1	8
63	Low-Cost, Highly Sensitive, and Flexible Piezoresistive Pressure Sensor Characterized by Low-Temperature Interfacial Polymerization of Polypyrrole on Latex Sponge. *Macromolecular Materials and Engineering*, **2021**, 306, 2000772	3.9	8
62	A high-performance piezoresistive sensor based on poly (styrene-co-methacrylic acid)@polypyrrole microspheres/graphene-decorated TPU electrospun membrane for human motion detection. *Chemical Engineering Journal*, **2021**, 426, 131152	14.7	8
61	A Soft Wearable and Fully-Textile Piezoresistive Sensor for Plantar Pressure Capturing. *Micromachines*, **2021**, 12,	3.3	8
60	Preparation and characterization of highly dispersed silica nanoparticles via nonsurfactant template for fabric coating. *Journal of the Textile Institute*, **2017**, 108, 1662-1668	1.5	7
59	Raspberry-Shaped Thermochromic Energy Storage Nanocapsule with Tunable Sunlight Absorption Based on Color Change for Temperature Regulation. *Small*, **2019**, 15, e1903750	11	7
58	UV–Vis irradiation fatigue resistance improvement of azo photochromic compound using polyurethane-chitosan double shell encapsulation. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	7

57	Skin friendly antimicrobial characterization of natural glycyrrhiza extract on fabric. *Fibers and Polymers*, **2014**, 15, 1873-1879	2	7
56	A graphene-based electro-thermochromic textile display. *Journal of Materials Chemistry C*, **2020**, 8, 15788-15794	7.1	7
55	Center and multi-points current collecting for improving capacitances of rectangular polypyrrole/knitted cotton fabric-based supercapacitor. *Journal of Power Sources*, **2021**, 481, 228824	8.9	7
54	Preparation of core□shell latex for the pigmented ink of textile inkjet printing. *Journal of Applied Polymer Science*, **2013**, 127, 2678-2683	2.9	6
53	Organic□inorganic hybrid silica film coated for improving resistance to capsicum oil on natural substances through sol□gel route. *Journal of Sol-Gel Science and Technology*, **2012**, 64, 743-749	2.3	6
52	Reversibly Superwettable Polyester Fabric Based on pH-Responsive Branched Polymer Nanoparticles. *Industrial & Engineering Chemistry Research*, **2020**, 59, 2899-2907	3.9	6
51	A Visible Energy Management by Photochromic Solar Thermal Fuel Using a Color Display. *Solar Rrl*, **2020**, 4, 2000499	7.1	6
50	Flexible and conductive graphene-based fibers fabricated from pigment and TiO2 PU dual coatings as a colored insulative shell structure. *Journal of Materials Chemistry C*, **2018**, 6, 13261-13268	7.1	6
49	Wearable solar energy management based on visible solar thermal energy storage for full solar spectrum utilization. *Energy Storage Materials*, **2021**, 42, 636-644	19.4	6
48	Investigation of aqueous foam stability containing pigment colorant using polyoxyethylene nonionic surfactant. *Chemical Papers*, **2017**, 71, 1633-1643	1.9	5
47	Super stretchable chromatic polyurethane driven by anthraquinone chromogen as a chain extender.. *RSC Advances*, **2019**, 9, 2332-2342	3.7	5
46	Novel colored polyurethane nanoparticle for recyclable dyeing polyester fabric. *Journal of Cleaner Production*, **2020**, 265, 121601	10.3	5
45	Durable and tunable temperature responsive silk fabricated with reactive thermochromic pigments. *Progress in Organic Coatings*, **2020**, 147, 105697	4.8	5
44	An improvement of color electrophoretic paint via ultrafine modified pigment paste. *Journal of Adhesion Science and Technology*, **2014**, 28, 186-200	2	5
43	Sunlight-Responsive Photothermochromic Fabric with Reversible Color Changing Based on Photothermal Conversion. *Solar Rrl*, **2021**, 5, 2100135	7.1	5
42	Highly fatigue-resistant photochromism of wool surface printed with spiropyran/chitosan microcapsules. *Progress in Organic Coatings*, **2021**, 151, 106080	4.8	5
41	High-Sensitivity and Low-Hysteresis GO?NH 2 /Mesoporous SiO 2 Nanosphere-Fabric-Based Humidity Sensor for Respiratory Monitoring and Noncontact Sensing. *Advanced Materials Interfaces* , **2022**, 9, 2101498	4.6	5
40	Thermochromic performance of a new temperature sensitive pigment based on rhodamine derivative in both liquid and solid systems. *Progress in Organic Coatings*, **2019**, 137, 105280	4.8	4

39	Microwave-assisted preparation of pyrite and its sensitisation of titanium dioxide in self-cleaning aramid fabrics. *Coloration Technology*, **2018**, 134, 284-291	2	4
38	Preparation of thermal transfer ink using disperse fluorescent yellow 82 for polyester substrates. *Pigment and Resin Technology*, **2014**, 43, 92-96	1	4
37	The electric response behavior and microencapsulation of the pigment phthalocyanine green G using interfacial polymerization. *Polymer Bulletin*, **2011**, 67, 1379-1391	2.4	4
36	Encapsulation of disperse dye by phase separation technique using poly(styrene-maleic acid). *Journal of Applied Polymer Science*, **2011**, 120, 3581-3586	2.9	4
35	Highly Durable and Stretchable Ti3C2Tx/PPy-Fabric-Based Strain Sensor for Human-Motion Detection. *Advanced Materials Technologies*,2100675	6.8	4
34	Rapid synthesis of strawberry microcapsules via Pickering emulsion photopolymerization for use in multifunctional fabric coatings. *Progress in Organic Coatings*, **2021**, 152, 106110	4.8	4
33	Feasible fabrication and textile application of polymer composites featuring dual optical thermoresponses. *Chemical Engineering Journal*, **2021**, 419, 129553	14.7	4
32	Fabrication of electrically conductive and improved UV-resistant aramid fabric via bio-inspired polydopamine and graphene oxide coating. *Journal of the Textile Institute*, **2019**, 110, 1484-1492	1.5	3
31	Cationic superfine pigment dyeing for wool using exhaust process by pH adjustment. *Fibers and Polymers*, **2015**, 16, 67-72	2	3
30	A foam single-face pretreatment to modify silk fabric using EBODAC to improve inkjet printing performance. *Journal of the Textile Institute*, **2014**, 105, 799-805	1.5	3
29	Preparation and colloidal dispersion behaviors of silica sol doped with organic pigment. *Journal of Sol-Gel Science and Technology*, **2012**, 62, 266-272	2.3	3
28	Preparation and photocatalytic properties of TiO2 film produced via spin coating. *International Journal of Materials Research*, **2010**, 101, 1311-1315	0.5	3
27	A novel crease-resistant and hydrophobic dual-function foam coating for silk fabric by the one-step method. *Textile Reseach Journal*, **2020**, 90, 1495-1506	1.7	3
26	Solar-driven thermochromic fabric based on photothermal conversion for light intensity monitoring. *Journal of Materials Chemistry A*, **2021**, 9, 20565-20575	13	3
25	A High‐Performance Flexible Piezoresistive Pressure Sensor Features an Integrated Design of Conductive Fabric Electrode and Polyurethane Sponge. *Macromolecular Materials and Engineering*, **2021**, 306, 2100263	3.9	3
24	Thermochromic behaviors of terminated waterborne thermochromic polyurethane with tailored molecular weight. *Progress in Organic Coatings*, **2020**, 145, 105164	4.8	2
23	Preparation of camphor oil/latex dispersion for the control of camphor oil release. *Polymer Bulletin*, **2016**, 73, 1267-1281	2.4	2
22	Preparation and Photochromic Properties of Nanocapsules Containing Azo Compound with Polyurethane as Wall Material Using in Situ Polymerization. *Polymer-Plastics Technology and Engineering*, **2014**, 53, 1062-1069		2

21	Constructing FeOOH scaffold for enhancing conductance and capacitances of coaxial polypyrrole/nylon fibers. *Electrochimica Acta*, **2020**, 349, 136407	6.7	2
20	Insight into relation between optically-switched foam stability and isomerization kinetic from azobenzene-based sulfate surfactant. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 606, 125426	5.1	2
19	Synthesis of reactive self-adhesive branched polyurethane dispersant for textile pigment printing. *Journal of Applied Polymer Science*, **2021**, 138, 50790	2.9	2
18	Graphene oxide-coated amino-modified polyacrylonitrile to fabricate highly conductive fabrics. *Textile Reseach Journal*,004051752110205	1.7	2
17	High concentration acid-induced discoloration polymeric dyes fabricated with UV-curable azobenzene-lignin-based waterborne polyurethane. *International Journal of Biological Macromolecules*, **2021**, 182, 1953-1965	7.9	2
16	A sultone-based reversible dark red-yellow conversion thermochromic colorant with adjustable switching temperature. *Coloration Technology*, **2019**, 135, 97-102	2	2
15	A novel functional disperse dye doped with graphene oxide for improving antistatic properties of polyester fabric using one-bath dyeing method. *Textile Reseach Journal*, **2020**, 90, 655-665	1.7	2
14	Facile fabrication of highly conductive poly (styrene-co-methacrylic acid)/ poly(aniline) microspheres based on surface carboxylation modification. *Journal of Applied Polymer Science*, **2021** , 138, 50190	2.9	2
13	UV-resistant transparent lignin-based polyurethane elastomer with repeatable processing performance. *European Polymer Journal*, **2021**, 159, 110763	5.2	2
12	Gelation Performance of Cationic Gemini Silica Sol with Inorganic Salts and Its Antibacterial Property Analysis. *Journal of Dispersion Science and Technology*, **2014**, 35, 1208-1213	1.5	1
11	High-Sensitivity, Long-Durability, and Wearable Pressure Sensor Based on the Polypyrrole/Reduced Graphene Oxide/(Fabric Sponge Fabric) for Human Motion Monitoring. *Macromolecular Materials and Engineering*,2100801	3.9	1
10	Synthesis of polymeric dyes based on self-colored network of castor oil-based waterborne polyurethane. *Journal of Applied Polymer Science*, **2021**, 138, 50078	2.9	1
9	Highly sensitive and superhydrophobic fabric sensor based on AgNPs/Polypyrrole composite conductive networks for body movement monitoring. *Composites Science and Technology*, **2022**, 109561	8.6	1
8	pH-responsive discoloration silk fibroin films based on prodigiosin from microbial fermentation. *Dyes and Pigments*, **2022**, 198, 109994	4.6	0
7	Realization of reversible thermochromic polydiacetylene through silica nanoparticle surface modification. *Journal of Applied Polymer Science*, **2021**, 138, 49809	2.9	0
6	High humidity-sensitive discoloration materials fabricated with pH indicator ingredients. *Dyes and Pigments*, **2021**, 195, 109740	4.6	0
5	Functionalization of Fiber Materials for Washable Smart Wearable Textiles **2020**, 183-212		
4	Facile fabrication of photoinduced superhydrophobic-superhydrophilic surfaces on cellulose substrate without strength loss. *Textile Reseach Journal*, **2019**, 89, 1807-1822	1.7	

3	Microwave thermally expanded graphene/polyaniline conductive paste for elaborate conductive pattern and conductive polyester fabric fabrication via screen printing1	
2	Synthesis and application of aminosiloxane-modified cationic waterborne polyurethane as fixing agent for nylon fabric. *Journal of Applied Polymer Science*,51994	2.9
1	Thermal insulating property of an optically-active polyurethane-based silicon aerogel. *Thermal Science*, **2021**, 133-133	1.2