

# Majid Montazer

## List of Publications by Year in descending order

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302  
papers

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citations

26610

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docs citations

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times ranked

8945  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the application of inorganic nano-structured materials in the modification of textiles: Focus on anti-microbial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 5-18.	2.5	1,132
2	Enhanced Self-cleaning, Antibacterial and UV Protection Properties of Nano TiO <sub>2</sub> Treated Textile through Enzymatic Pretreatment. <i>Photochemistry and Photobiology</i> , 2011, 87, 877-883.	1.3	220
3	A new method to stabilize nanoparticles on textile surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 345, 202-210.	2.3	183
4	In situ synthesis of nano silver on cotton using Tollens's reagent. <i>Carbohydrate Polymers</i> , 2012, 87, 1706-1712.	5.1	169
5	A novel technique for producing durable multifunctional textiles using nanocomposite coating. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 32-41.	2.5	162
6	Past, present and future prospects of cotton cross-linking: New insight into nano particles. <i>Carbohydrate Polymers</i> , 2012, 88, 1125-1140.	5.1	159
7	Functionality of nano titanium dioxide on textiles with future aspects: Focus on wool. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2011, 12, 293-303.	5.6	144
8	Electrospinning of chitosan/sericin/PVA nanofibers incorporated with in situ synthesis of nano silver. <i>Carbohydrate Polymers</i> , 2014, 113, 231-239.	5.1	126
9	A textile-based wearable supercapacitor using reduced graphene oxide/polypyrrole composite. <i>Electrochimica Acta</i> , 2019, 305, 187-196.	2.6	125
10	The role of cellulosic chains of cotton in biosynthesis of ZnO nanorods producing multifunctional properties: Mechanism, characterizations and features. <i>Carbohydrate Polymers</i> , 2015, 126, 122-129.	5.1	119
11	Durable antibacterial and cross-linking cotton with colloidal silver nanoparticles and butane tetracarboxylic acid without yellowing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 89, 196-202.	2.5	118
12	Salt free reactive dyeing of cationized cotton. <i>Fibers and Polymers</i> , 2007, 8, 608-612.	1.1	115
13	ZnO Nano Reactor on Textiles and Polymers: Ex Situ and In Situ Synthesis, Application, and Characterization. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1453-1470.	1.2	112
14	Antimicrobial electrospun membranes of chitosan/poly(ethylene oxide) incorporating poly(hexamethylene biguanide) hydrochloride. <i>Carbohydrate Polymers</i> , 2013, 94, 364-371.	5.1	111
15	Nano TiO <sub>2</sub> photo-catalyst and sodium hypophosphite for cross-linking cotton with poly carboxylic acids under UV and high temperature. <i>Applied Catalysis A: General</i> , 2009, 371, 10-16.	2.2	110
16	A novel durable flame-retardant cotton fabric using sodium hypophosphite, nano TiO <sub>2</sub> and maleic acid. <i>Thermochimica Acta</i> , 2011, 520, 48-54.	1.2	109
17	In situ sonosynthesis of nano TiO <sub>2</sub> on cotton fabric. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 681-691.	3.8	109
18	Photo induced silver on nano titanium dioxide as an enhanced antimicrobial agent for wool. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 103, 207-214.	1.7	108

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19	Simultaneous x-linking and antimicrobial finishing of cotton fabric. <i>Journal of Applied Polymer Science</i> , 2007, 103, 178-185.	1.3	105
20	Micro/nanoencapsulation of essential oils and fragrances: Focus on perfumed, antimicrobial, mosquito-repellent and medical textiles. <i>Journal of Microencapsulation</i> , 2016, 33, 497-510.	1.2	105
21	Reducing Photoyellowing of Wool Using Nano TiO <sub>2</sub> . <i>Photochemistry and Photobiology</i> , 2010, 86, 255-260.	1.3	100
22	Synthesis of nano Cu <sub>2</sub> O on cotton: Morphological, physical, biological and optical sensing characterizations. <i>Carbohydrate Polymers</i> , 2014, 110, 489-498.	5.1	96
23	Ultrasound irradiation based in-situ synthesis of star-like Tragacanth gum/zinc oxide nanoparticles on cotton fabric. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 458-465.	3.8	91
24	In situ synthesis of iron oxide nanoparticles on polyester fabric utilizing color, magnetic, antibacterial and sono-Fenton catalytic properties. <i>Journal of Materials Chemistry B</i> , 2014, 2, 272-282.	2.9	89
25	A review on textile sonoprocessing: A special focus on sonosynthesis of nanomaterials on textile substrates. <i>Ultrasonics Sonochemistry</i> , 2015, 23, 1-10.	3.8	87
26	Evaluation of comfort properties of polyester knitted spacer fabrics finished with water repellent and antimicrobial agents. <i>Fibers and Polymers</i> , 2007, 8, 386-392.	1.1	86
27	Electroless Plating of Silver Nanoparticles/Nanolayer on Polyester Fabric Using AgNO <sub>3</sub> /NaOH and Ammonia. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 8436-8444.	1.8	85
28	<i>In situ</i> synthesis of nano silver on polyester using NaOH/Nano TiO <sub>2</sub> . <i>Journal of Applied Polymer Science</i> , 2013, 129, 892-900.	1.3	82
29	A Review on Applications of Liposomes in Textile Processing. <i>Journal of Liposome Research</i> , 2008, 18, 249-262.	1.5	81
30	Tragacanth gum as a natural polymeric wall for producing antimicrobial nanocapsules loaded with plant extract. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 514-520.	3.6	81
31	Synthesis of wearable and flexible NiPO <sub>1</sub> -SnOx/PANI/CuO/cotton towards a non-enzymatic glucose sensor. <i>Biosensors and Bioelectronics</i> , 2019, 135, 192-199.	5.3	80
32	Synthesis of nano copper/nylon composite using ascorbic acid and CTAB. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 439, 167-175.	2.3	78
33	Preparation and characterization of biocompatible silver nanoparticles using pomegranate peel extract. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 179, 98-104.	1.7	77
34	Influence of sericin/TiO <sub>2</sub> nanocomposite on cotton fabric: Part 1. Enhanced antibacterial effect. <i>Carbohydrate Polymers</i> , 2013, 94, 737-748.	5.1	76
35	In situ synthesis of nano silver/lecithin on wool: Enhancing nanoparticles diffusion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 9-15.	2.5	75
36	Copper nanoparticles on bleached cotton fabric: in situ synthesis and characterization. <i>Cellulose</i> , 2014, 21, 2119-2132.	2.4	75

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37	Conductive nylon fabric through in situ synthesis of nano-silver: Preparation and characterization. <i>Materials Science and Engineering C</i> , 2015, 56, 341-347.	3.8	73
38	Novel feature of nano-titanium dioxide on textiles: Antifelting and antibacterial wool. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3407-3413.	1.3	72
39	Sodium hypophosphite and nano TiO <sub>2</sub> inorganic catalysts along with citric acid on textile producing multi-functional properties. <i>Applied Catalysis A: General</i> , 2012, 417-418, 200-208.	2.2	72
40	In situ green synthesis of silver nanoparticles on cotton fabric using <i>Seidlitzia rosmarinus</i> ashes. <i>Cellulose</i> , 2014, 21, 3755-3766.	2.4	71
41	Decolorization and mineralization of an azo reactive dye using loaded nano-photocatalysts on spacer fabric: Kinetic study and operational factors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2436-2446.	2.7	69
42	Tragacanth gum /nano silver hydrogel on cotton fabric: In-situ synthesis and antibacterial properties. <i>Carbohydrate Polymers</i> , 2016, 154, 257-266.	5.1	69
43	Encapsulation of Aloe Vera extract into natural Tragacanth Gum as a novel green wound healing product. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 344-349.	3.6	68
44	Nano titanium dioxide on wool keratin as UV absorber stabilized by butane tetra carboxylic acid (BTCA): A statistical prospect. <i>Fibers and Polymers</i> , 2010, 11, 967-975.	1.1	67
45	Self-cleaning and color reduction in wool fabric by nano titanium dioxide. <i>Journal of the Textile Institute</i> , 2011, 102, 343-352.	1.0	67
46	Tragacanth gum biopolymer as reducing and stabilizing agent in biosynthesis of urchin-like ZnO nanorod arrays: A low cytotoxic photocatalyst with antibacterial and antifungal properties. <i>Carbohydrate Polymers</i> , 2016, 136, 232-241.	5.1	66
47	Low temperature welding of graphene on PET with silver nanoparticles producing higher durable electro-conductive fabric. <i>Carbon</i> , 2017, 118, 443-451.	5.4	66
48	Photo-, Bio-, and Magneto-active Colored Polyester Fabric with Hydrophobic/Hydrophilic and Enhanced Mechanical Properties through Synthesis of TiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> /Ag Nanocomposite. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 1119-1129.	1.8	65
49	Photo and biocatalytic activities along with UV protection properties on polyester fabric through green in - situ synthesis of cauliflower-like CuO nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 176, 100-111.	1.7	65
50	Click electroless plating of nickel nanoparticles on polyester fabric: Electrical conductivity, magnetic and EMI shielding properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 571, 110-124.	2.3	65
51	A cleaner production of denim garment using one step treatment with amylase/cellulase/laccase. <i>Journal of Cleaner Production</i> , 2013, 57, 320-326.	4.6	64
52	Self-cleaning properties of bleached and cationized cotton using nanoTiO <sub>2</sub> : A statistical approach. <i>Carbohydrate Polymers</i> , 2011, 83, 1119-1127.	5.1	63
53	A novel magnetic reusable nanocomposite with enhanced photocatalytic activities for dye degradation. <i>Separation and Purification Technology</i> , 2014, 134, 210-219.	3.9	62
54	Environmentally friendly low cost approach for nano copper oxide functionalization of cotton designed for antibacterial and photocatalytic applications. <i>Journal of Cleaner Production</i> , 2018, 204, 425-436.	4.6	61

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55	Fe <sup>3+</sup> :Ag/TiO <sub>2</sub> nanocomposite: Synthesis, characterization and photocatalytic activity under UV and visible light irradiation. <i>Applied Catalysis A: General</i> , 2014, 473, 104-115.	2.2	60
56	The role of nano colloid of TiO <sub>2</sub> and butane tetra carboxylic acid on the alkali solubility and hydrophilicity of proteinous fibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 375, 1-11.	2.3	58
57	Sonosynthesis of nano TiO <sub>2</sub> on wool using titanium isopropoxide or butoxide in acidic media producing multifunctional fabric. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1815-1826.	3.8	58
58	A cleaner route for nanocolouration of wool fabric via green assembling of cupric oxide nanoparticles along with antibacterial and UV protection properties. <i>Journal of Cleaner Production</i> , 2017, 166, 221-231.	4.6	58
59	One-step fabrication of fatty acids/nano copper/polyester shape-stable composite phase change material for thermal energy management and storage. <i>Applied Energy</i> , 2018, 228, 1911-1920.	5.1	56
60	Colorimetric properties of wool dyed with natural dyes after treatment with ammonia. <i>Coloration Technology</i> , 2004, 120, 161-166.	0.7	55
61	Optimization of tetracycline hydrochloride adsorption on amino modified SBA-15 using response surface methodology. <i>Journal of Colloid and Interface Science</i> , 2015, 443, 105-114.	5.0	55
62	Application of nanotechnology in sports clothing and flooring for enhanced sport activities, performance, efficiency and comfort: a review. <i>Journal of Industrial Textiles</i> , 2017, 46, 1147-1169.	1.1	55
63	A new method for in situ synthesis of Ag@TiO <sub>2</sub> nanocomposite particles on polyester/cellulose fabric by photoreduction and self-cleaning properties. <i>Cellulose</i> , 2018, 25, 2355-2366.	2.4	53
64	Flower buds like PVA/ZnO composite nanofibers assembly: Antibacterial, in vivo wound healing, cytotoxicity and histological studies. <i>Polymer Testing</i> , 2021, 93, 106914.	2.3	53
65	Superior self-cleaning features on wool fabric using TiO <sub>2</sub> /Ag nanocomposite optimized by response surface methodology. <i>Journal of Applied Polymer Science</i> , 2012, 125, E356.	1.3	52
66	Nano-photo active cellulosic fabric through in situ phytosynthesis of star-like Ag/ZnO nanocomposites: Investigation and optimization of attributes associated with photocatalytic activity. <i>Carbohydrate Polymers</i> , 2016, 141, 116-125.	5.1	51
67	Stabilized nanosilver loaded nylon knitted fabric using BTCA without yellowing. <i>Progress in Organic Coatings</i> , 2012, 74, 270-276.	1.9	50
68	Rapid Sonosynthesis of Na-Doped Nano TiO <sub>2</sub> on Wool Fabric at Low Temperature: Introducing Self-cleaning, Hydrophilicity, Antibacterial/Antifungal Properties with low Alkali Solubility, Yellowness and Cytotoxicity. <i>Photochemistry and Photobiology</i> , 2014, 90, 1224-1233.	1.3	50
69	Synthesis of nano silver on cellulosic denim fabric producing yellow colored garment with antibacterial properties. <i>Carbohydrate Polymers</i> , 2015, 115, 568-574.	5.1	50
70	Influences of Different Enzymatic Treatment on Denim Garment. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 2114-2128.	1.4	49
71	A robust super-paramagnetic TiO <sub>2</sub> :Fe <sub>3</sub> O <sub>4</sub> :Ag nanocomposite with enhanced photo and bio activities on polyester fabric via one step sonosynthesis. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 543-551.	3.8	49
72	Ag/TiO <sub>2</sub> /β-CD nano composite: Preparation and photo catalytic properties for methylene blue degradation. <i>Applied Catalysis A: General</i> , 2013, 467, 107-116.	2.2	47

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73	Free carrier dyeing of polyester fabric using nano TiO <sub>2</sub> . <i>Dyes and Pigments</i> , 2013, 97, 440-445.	2.0	47
74	Nano TiO <sub>2</sub> as a New Tool for Mothproofing of Wool: Protection of Wool against <i>Anthrenus verbasci</i> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 1365-1371.	1.8	47
75	Electrospun antibacterial nylon nanofibers through in situ synthesis of nanosilver: preparation and characteristics. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	46
76	Ultrasound mediation for one-pot sonosynthesis and deposition of magnetite nanoparticles on cotton/polyester fabric as a novel magnetic, photocatalytic, sonocatalytic, antibacterial and antifungal textile. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 257-266.	3.8	46
77	MOF-modified polyester fabric coated with reduced graphene oxide/polypyrrole as electrode for flexible supercapacitors. <i>Electrochimica Acta</i> , 2020, 336, 135743.	2.6	45
78	Effect of ammonia on madder-dyed natural protein fiber. <i>Journal of Applied Polymer Science</i> , 2004, 93, 2704-2710.	1.3	44
79	Dyeing of wool with Marigold and its properties. <i>Fibers and Polymers</i> , 2007, 8, 181-185.	1.1	44
80	Shape-stable thermo-responsive nano Fe <sub>3</sub> O <sub>4</sub> /fatty acids/PET composite phase-change material for thermal energy management and saving applications. <i>Applied Energy</i> , 2020, 262, 114501.	5.1	44
81	Zinc oxide nano particles coating on polyester fabric functionalized through alkali treatment. <i>Journal of Industrial Textiles</i> , 2018, 47, 1006-1023.	1.1	43
82	Simultaneous in situ synthesis of nano silver and wool fiber fineness enhancement using sulphur based reducing agents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 431-438.	2.3	42
83	Synthesis of nanosilver on polyamide fabric using silver/ammonia complex. <i>Materials Science and Engineering C</i> , 2014, 38, 170-176.	3.8	42
84	Novel method for synthesis of silver nanoparticles and their application on wool. <i>Applied Surface Science</i> , 2015, 346, 477-483.	3.1	42
85	Optimization of dyeing of wool with madder and liposomes by central composite design. <i>Journal of Applied Polymer Science</i> , 2007, 106, 1614-1621.	1.3	41
86	Fabrication of electrically conductive superparamagnetic fabric with microwave attenuation, antibacterial properties and UV protection using PEDOT/magnetite nanoparticles. <i>Materials and Design</i> , 2018, 160, 34-47.	3.3	41
87	Synthesis of applicable hydrogel corn silk/ZnO nanocomposites on polyester fabric with antimicrobial properties and low cytotoxicity. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 1079-1090.	3.6	41
88	Influence of the surface hydrolysis on the functionality of poly(ethylene terephthalate) fabric treated with nanotitanium dioxide. <i>Journal of Applied Polymer Science</i> , 2012, 125, 1176-1184.	1.3	40
89	Nano photo scouring and nano photo bleaching of raw cellulosic fabric using nano TiO <sub>2</sub> . <i>International Journal of Biological Macromolecules</i> , 2012, 50, 1018-1025.	3.6	39
90	Simultaneous synthesis and fabrication of nano Cu <sub>2</sub> O on cellulosic fabric using copper sulfate and glucose in alkali media producing safe bio- and photoactive textiles without color change. <i>Cellulose</i> , 2015, 22, 4049-4064.	2.4	39

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91	Antibacterial, UV protective and ammonia sensing functionalized polyester fabric through in situ synthesis of cuprous oxide nanoparticles. <i>Fibers and Polymers</i> , 2017, 18, 1269-1279.	1.1	39
92	Functional cotton fabric using hollow glass microspheres: Focus on thermal insulation, flame retardancy, UV-protection and acoustic performance. <i>Progress in Organic Coatings</i> , 2020, 141, 105553.	1.9	39
93	In situ photo sonosynthesis and characterize nonmetal/metal dual doped honeycomb-like ZnO nanocomposites on wool fabric. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 200-209.	3.8	37
94	In-situ sonosynthesis of nano N-doped ZnO on wool producing fabric with photo and bio activities, cell viability and enhanced mechanical properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 149, 103-115.	1.7	37
95	Simultaneous sonosynthesis and sonofabrication of N-doped ZnO/TiO <sub>2</sub> core-shell nanocomposite on wool fabric: Introducing various properties specially nano photo bleaching. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 10-21.	3.8	37
96	Reduced graphene oxide/SnO <sub>2</sub> nanocomposite on PET surface: Synthesis, characterization and application as an electro-conductive and ultraviolet blocking textile. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 507-513.	2.3	37
97	Tunable shaped N-doped CuO nanoparticles on cotton fabric through processing conditions: synthesis, antibacterial behavior and mechanical properties. <i>Cellulose</i> , 2016, 23, 2229-2243.	2.4	37
98	Application of laccases with cellulases on denim for clean effluent and repeatable biowashing. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3121-3129.	1.3	36
99	Simultaneous encapsulation and stabilization of Aloe vera extract on cotton fabric for wound dressing application. <i>RSC Advances</i> , 2016, 6, 111895-111902.	1.7	36
100	Innovative preparation of bacterial cellulose/silver nanocomposite hydrogels: In situ green synthesis, characterization, and antibacterial properties. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49824.	1.3	35
101	Extraction, identification and sorption studies of dyes from madder on wool. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3799-3808.	1.3	34
102	Pretreatment of wool/polyester blended fabrics to enhance titanium dioxide nanoparticle adsorption and self-cleaning properties. <i>Coloration Technology</i> , 2011, 127, 322-327.	0.7	34
103	Enhanced Self-Cleaning Properties on Polyester Fabric Under Visible Light Through Single-Step Synthesis of Cuprous Oxide Doped Nano-TiO <sub>2</sub> . <i>Photochemistry and Photobiology</i> , 2015, 91, 1078-1087.	1.3	34
104	Discoloration of denim garment with color free effluent using montmorillonite based nano clay and enzymes: nano bio-treatment on denim garment. <i>Journal of Cleaner Production</i> , 2015, 91, 208-215.	4.6	34
105	In situ synthesis of nano ZnO on starch sized cotton introducing nano photo active fabric optimized with response surface methodology. <i>Carbohydrate Polymers</i> , 2015, 132, 126-133.	5.1	34
106	Biosynthesis of nano cupric oxide on cotton using <i>Seidlitzia rosmarinus</i> ashes utilizing bio, photo, acid sensing and leaching properties. <i>Carbohydrate Polymers</i> , 2017, 177, 1-12.	5.1	34
107	Synthesis of Ag-liposome nano composites. <i>Journal of Liposome Research</i> , 2010, 20, 323-329.	1.5	33
108	Photo bleaching of wool using nano TiO <sub>2</sub> under daylight irradiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 83-90.	2.9	33



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109	Natural and organo-montmorillonite as antibacterial nanoclays for cotton garment. Journal of Industrial and Engineering Chemistry, 2015, 22, 164-170.	2.9	33
110	Treatment of Wool with Laccase and Dyeing with Madder. Applied Biochemistry and Biotechnology, 2009, 158, 685-693.	1.4	32
111	Simultaneous synthesis of nano silver and activation of polyester producing higher tensile strength aminohydroxylated fiber with antibacterial and hydrophilic properties. RSC Advances, 2014, 4, 46250-46256.	1.7	32
112	Wearable supercapacitors on polyethylene terephthalate fabrics with good wash fastness and high flexibility. Journal of Power Sources, 2017, 367, 34-41.	4.0	32
113	Optimization of the hot alkali treatment of polyester/cotton fabric with sodium hydrosulfite. Journal of Applied Polymer Science, 2006, 100, 5049-5055.	1.3	31
114	Synthesizing and stabilizing silver nanoparticles on polyamide fabric using silver-ammonia/PVP/UVC. Progress in Organic Coatings, 2012, 75, 379-385.	1.9	31
115	Electrical conductivity of single walled and multiwalled carbon nanotube containing wool fibers. Journal of Applied Polymer Science, 2011, 121, 3353-3358.	1.3	30
116	Flame retardant wool using zirconium oxychloride in various acidic media optimized by RSM. Thermochimica Acta, 2011, 516, 29-34.	1.2	30
117	<i>In Situ</i> Synthesis and Characterization of Nano ZnO on Wool: Influence of Nano Photo Reactor on Wool Properties. Photochemistry and Photobiology, 2013, 89, 1057-1063.	1.3	30
118	Aminolysis of polyethylene terephthalate surface along with in situ synthesis and stabilizing ZnO nanoparticles using triethanolamine optimized with response surface methodology. Materials Science and Engineering C, 2016, 58, 495-503.	3.8	30
119	Low toxic antibacterial application with hydrophobic properties on polyester through facile and clean fabrication of nano copper with fatty acid. Materials Science and Engineering C, 2019, 97, 177-187.	3.8	30
120	Aged-look vat dyed cotton with anti-bacterial/anti-fungal properties by treatment with nano clay and enzymes. Carbohydrate Polymers, 2013, 95, 338-347.	5.1	29
121	A novel cotton fabric with anti-bacterial and drug delivery properties using SBA-15-NH <sub>2</sub> /polysiloxane hybrid containing tetracycline. Materials Science and Engineering C, 2016, 59, 429-437.	3.8	29
122	Application of sonochemical technique for sustainable surface modification of polyester fibers resulting in durable nano-sonofinishing. Ultrasonics Sonochemistry, 2017, 37, 158-168.	3.8	29
123	Decorating silver nanoparticles on electrospun cellulose nanofibers through a facile method by dopamine and ultraviolet irradiation. Cellulose, 2017, 24, 3179-3190.	2.4	29
124	Influence of Temperature on Stability of Multilamellar Liposomes in Wool Dyeing. Journal of Liposome Research, 2006, 16, 81-89.	1.5	28
125	Antibacterial properties of raw and degummed silk with nanosilver in various conditions. Journal of Applied Polymer Science, 2010, 118, 253-258.	1.3	28
126	Nano silver entrapped in phospholipids membrane: Synthesis, characteristics and antibacterial kinetics. Molecular Membrane Biology, 2011, 28, 206-215.	2.0	28



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127	Antibacterial and anti-inflammatory drug delivery properties on cotton fabric using betamethasone-loaded mesoporous silica particles stabilized with chitosan and silicone softener. <i>Drug Delivery</i> , 2016, 23, 2946-2955.	2.5	28
128	Nano-colloidal functionalization of textiles based on polysiloxane as a novel photo-catalyst assistant: Processing design. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 381-388.	2.5	27
129	Carbon black enhanced conductivity, carbon yield and dye adsorption of sustainable cellulose derived carbon nanofibers. <i>Cellulose</i> , 2018, 25, 5227-5240.	2.4	27
130	A novel controlled release system based on Tragacanth nanofibers loaded Peppermint oil. <i>Carbohydrate Polymers</i> , 2019, 205, 589-595.	5.1	27
131	Preparation of flame retardant wool using zirconium acetate optimized by CCD. <i>Thermochimica Acta</i> , 2011, 520, 134-138.	1.2	26
132	One-step preparation of magnetically responsive nano CuFe <sub>2</sub> O <sub>4</sub> /fatty acids/polyester composite for dynamic thermal energy management applications. <i>Renewable Energy</i> , 2019, 143, 1839-1851.	4.3	26
133	Ketoconazole and Ketoconazole/ $\beta$ -cyclodextrin performance on cotton wound dressing as fungal skin treatment. <i>Carbohydrate Polymers</i> , 2020, 240, 116267.	5.1	26
134	A smart dynamic self-induced orientable multiple size nano-roughness with amphiphilic feature as a stain-repellent hydrophilic surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 91, 280-290.	2.5	25
135	Tunable functional properties on polyester fabric using simultaneous green reduction of graphene oxide and silver nitrate. <i>Fibers and Polymers</i> , 2016, 17, 1359-1370.	1.1	25
136	Polyester modification through synthesis of copper nanoparticles in presence of triethanolamine optimized with response surface methodology. <i>Fibers and Polymers</i> , 2017, 18, 434-444.	1.1	24
137	Scalable, eco-friendly and simple strategy for nano-functionalization of textiles using immobilized copper-based nanoparticles. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 2119-2133.	2.1	24
138	A novel polyvinyl alcohol-tragacanth/nano silver hydrogel on polyester fabric through in situ synthesis method. <i>Journal of Industrial Textiles</i> , 2016, 45, 1635-1651.	1.1	23
139	Preparation of nano cationic liposome as carrier membrane for polyhexamethylene biguanide chloride through various methods utilizing higher antibacterial activities with low cell toxicity. <i>Journal of Microencapsulation</i> , 2017, 34, 121-131.	1.2	23
140	<i>In situ</i> incorporation and loading of copper nanoparticles into a palmitic-lauric phase-change material on polyester fibers. <i>Journal of Applied Polymer Science</i> , 2019, 136, 46951.	1.3	23
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