

# Majid Montazer

## List of Publications by Citations

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298  
papers

8,690  
citations

50  
h-index

78  
g-index

304  
ext. papers

9,786  
ext. citations

4.7  
avg, IF

7.09  
L-index

#	Paper	IF	Citations
298	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> , <b>2010</b> , 79, 5-18	6	963
297	Enhanced self-cleaning, antibacterial and UV protection properties of nano TiO <sub>2</sub> treated textile through enzymatic pretreatment. <i>Photochemistry and Photobiology</i> , <b>2011</b> , 87, 877-83	3.6	191
296	A new method to stabilize nanoparticles on textile surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2009</b> , 345, 202-210	5.1	162
295	In situ synthesis of nano silver on cotton using Tollens' reagent. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 1706-1713	10.3	140
294	A novel technique for producing durable multifunctional textiles using nanocomposite coating. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 81, 32-41	6	140
293	Past, present and future prospects of cotton cross-linking: New insight into nano particles. <i>Carbohydrate Polymers</i> , <b>2012</b> , 88, 1125-1140	10.3	133
292	Functionality of nano titanium dioxide on textiles with future aspects: Focus on wool. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2011</b> , 12, 293-303	16.4	132
291	Durable antibacterial and cross-linking cotton with colloidal silver nanoparticles and butane tetracarboxylic acid without yellowing. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 89, 196-202	6	109
290	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> , <b>2009</b> , 371, 10-16	5.1	103
289	In situ sonosynthesis of nano TiO <sub>2</sub> on cotton fabric. <i>Ultrasonics Sonochemistry</i> , <b>2014</b> , 21, 681-91	8.9	95
288	ZnO nano reactor on textiles and polymers: ex situ and in situ synthesis, application, and characterization. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 1453-70	3.4	95
287	Electrospinning of chitosan/sericin/PVA nanofibers incorporated with in situ synthesis of nano silver. <i>Carbohydrate Polymers</i> , <b>2014</b> , 113, 231-9	10.3	95
286	A novel durable flame-retardant cotton fabric using sodium hypophosphite, nano TiO <sub>2</sub> and maleic acid. <i>Thermochimica Acta</i> , <b>2011</b> , 520, 48-54	2.9	95
285	Photo induced silver on nano titanium dioxide as an enhanced antimicrobial agent for wool. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2011</b> , 103, 207-14	6.7	94
284	Salt free reactive dyeing of cationized cotton. <i>Fibers and Polymers</i> , <b>2007</b> , 8, 608-612	2	94
283	Reducing photoyellowing of wool using nano TiO <sub>2</sub> . <i>Photochemistry and Photobiology</i> , <b>2010</b> , 86, 255-60	3.6	93
282	Simultaneous x-linking and antimicrobial finishing of cotton fabric. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 103, 178-185	2.9	92

281	Antimicrobial electrospun membranes of chitosan/poly(ethylene oxide) incorporating poly(hexamethylene biguanide) hydrochloride. <i>Carbohydrate Polymers</i> , <b>2013</b> , 94, 364-71	10.3	91
280	The role of cellulosic chains of cotton in biosynthesis of ZnO nanorods producing multifunctional properties: Mechanism, characterizations and features. <i>Carbohydrate Polymers</i> , <b>2015</b> , 126, 122-9	10.3	89
279	Evaluation of comfort properties of polyester knitted spacer fabrics finished with water repellent and antimicrobial agents. <i>Fibers and Polymers</i> , <b>2007</b> , 8, 386-392	2	76
278	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> , <b>2014</b> , 2, 272-282	7.3	75
277	A textile-based wearable supercapacitor using reduced graphene oxide/polypyrrole composite. <i>Electrochimica Acta</i> , <b>2019</b> , 305, 187-196	6.7	74
276	A review on textile sonoprocessing: a special focus on sonosynthesis of nanomaterials on textile substrates. <i>Ultrasonics Sonochemistry</i> , <b>2015</b> , 23, 1-10	8.9	74
275	Synthesis of nano Cu <sub>2</sub> O on cotton: morphological, physical, biological and optical sensing characterizations. <i>Carbohydrate Polymers</i> , <b>2014</b> , 110, 489-98	10.3	74
274	A review on applications of liposomes in textile processing. <i>Journal of Liposome Research</i> , <b>2008</b> , 18, 249-62		72
273	Micro/nanoencapsulation of essential oils and fragrances: Focus on perfumed, antimicrobial, mosquito-repellent and medical textiles. <i>Journal of Microencapsulation</i> , <b>2016</b> , 33, 497-510	3.4	71
272	Electroless Plating of Silver Nanoparticles/Nanolayer on Polyester Fabric Using AgNO <sub>3</sub> /NaOH and Ammonia. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 8436-8444	3.9	70
271	Synthesis of nano copper/nylon composite using ascorbic acid and CTAB. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 439, 167-175	5.1	70
270	Ultrasound irradiation based in-situ synthesis of star-like Tragacanth gum/zinc oxide nanoparticles on cotton fabric. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 34, 458-465	8.9	69
269	In situ synthesis of nano silver on polyester using NaOH/Nano TiO <sub>2</sub> . <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 892-900	2.9	68
268	Influence of sericin/TiO <sub>2</sub> nanocomposite on cotton fabric: part 1. Enhanced antibacterial effect. <i>Carbohydrate Polymers</i> , <b>2013</b> , 94, 737-48	10.3	64
267	In situ synthesis of nano silver/lecithin on wool: enhancing nanoparticles diffusion. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 92, 9-15	6	64
266	Nano titanium dioxide on wool keratin as UV absorber stabilized by butane tetra carboxylic acid (BTCA): A statistical prospect. <i>Fibers and Polymers</i> , <b>2010</b> , 11, 967-975	2	64
265	Self-cleaning and color reduction in wool fabric by nano titanium dioxide. <i>Journal of the Textile Institute</i> , <b>2011</b> , 102, 343-352	1.5	61
264	Encapsulation of Aloe Vera extract into natural Tragacanth Gum as a novel green wound healing product. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 344-349	7.9	60

263	Copper nanoparticles on bleached cotton fabric: in situ synthesis and characterization. <i>Cellulose</i> , <b>2014</b> , 21, 2119-2132	5.5	60
262	Novel feature of nano-titanium dioxide on textiles: Antifelting and antibacterial wool. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 3407-3413	2.9	59
261	Self-cleaning properties of bleached and cationized cotton using nanoTiO <sub>2</sub> : A statistical approach. <i>Carbohydrate Polymers</i> , <b>2011</b> , 83, 1119-1127	10.3	58
260	Tragacanth gum as a natural polymeric wall for producing antimicrobial nanocapsules loaded with plant extract. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 514-20	7.9	57
259	Tragacanth gum/nano silver hydrogel on cotton fabric: In-situ synthesis and antibacterial properties. <i>Carbohydrate Polymers</i> , <b>2016</b> , 154, 257-66	10.3	57
258	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> , <b>2014</b> , 53, 1119-1129	3.9	57
257	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> , <b>2012</b> , 417-418, 200-208	5.1	57
256	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> , <b>2011</b> , 375, 1-11	5.1	57
255	A novel magnetic reusable nanocomposite with enhanced photocatalytic activities for dye degradation. <i>Separation and Purification Technology</i> , <b>2014</b> , 134, 210-219	8.3	54
254	In situ green synthesis of silver nanoparticles on cotton fabric using <i>Seidlitzia rosmarinus</i> ashes. <i>Cellulose</i> , <b>2014</b> , 21, 3755-3766	5.5	54
253	Conductive nylon fabric through in situ synthesis of nano-silver: Preparation and characterization. <i>Materials Science and Engineering C</i> , <b>2015</b> , 56, 341-7	8.3	52
252	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> , <b>2016</b> , 136, 232-41	10.3	51
251	Low temperature welding of graphene on PET with silver nanoparticles producing higher durable electro-conductive fabric. <i>Carbon</i> , <b>2017</b> , 118, 443-451	10.4	51
250	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> , <b>2014</b> , 473, 104-115	5.1	51
249	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> , <b>2014</b> , 45, 2436-2446	5.3	51
248	Preparation and characterization of biocompatible silver nanoparticles using pomegranate peel extract. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 179, 98-104	6.7	50
247	Optimization of tetracycline hydrochloride adsorption on amino modified SBA-15 using response surface methodology. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 443, 105-14	9.3	49
246	Synthesis of wearable and flexible NiP-SnO/PANI/CuO/cotton towards a non-enzymatic glucose sensor. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 135, 192-199	11.8	48

245	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> , <b>2017</b> , 176, 100-111	6.7	47
244	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> , <b>2015</b> , 27, 543-551	8.9	47
243	Sonosynthesis of nano TiO <sub>2</sub> on wool using titanium isopropoxide or butoxide in acidic media producing multifunctional fabric. <i>Ultrasonics Sonochemistry</i> , <b>2014</b> , 21, 1815-26	8.9	47
242	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> , <b>2012</b> , 125, E356-E363	2.9	47
241	Colorimetric properties of wool dyed with natural dyes after treatment with ammonia. <i>Coloration Technology</i> , <b>2004</b> , 120, 161-166	2	46
240	Stabilized nanosilver loaded nylon knitted fabric using BTCA without yellowing. <i>Progress in Organic Coatings</i> , <b>2012</b> , 74, 270-276	4.8	45
239	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> , <b>2017</b> , 166, 221-231	10.3	45
238	Electrospun antibacterial nylon nanofibers through in situ synthesis of nanosilver: preparation and characteristics. <i>Journal of Polymer Research</i> , <b>2012</b> , 19, 1	2.7	45
237	A cleaner production of denim garment using one step treatment with amylase/cellulase/laccase. <i>Journal of Cleaner Production</i> , <b>2013</b> , 57, 320-326	10.3	44
236	Rapid sonosynthesis of N-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> , <b>2014</b> , 90, 1224-33	3.6	44
235	Free carrier dyeing of polyester fabric using nano TiO <sub>2</sub> . <i>Dyes and Pigments</i> , <b>2013</b> , 97, 440-445	4.6	43
234	Synthesis of nano silver on cellulosic denim fabric producing yellow colored garment with antibacterial properties. <i>Carbohydrate Polymers</i> , <b>2015</b> , 115, 568-74	10.3	42
233	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> , <b>2013</b> , 52, 1365-1371	3.9	42
232	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> , <b>2016</b> , 141, 116-25	10.3	40
231	Influences of different enzymatic treatment on denim garment. <i>Applied Biochemistry and Biotechnology</i> , <b>2010</b> , 160, 2114-28	3.2	40
230	Ag/TiO <sub>2</sub> /ECD nano composite: Preparation and photo catalytic properties for methylene blue degradation. <i>Applied Catalysis A: General</i> , <b>2013</b> , 467, 107-116	5.1	39
229	Effect of ammonia on madder-dyed natural protein fiber. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 93, 2704-2710	2.9	39
228	Environmentally friendly low cost approach for nano copper oxide functionalization of cotton designed for antibacterial and photocatalytic applications. <i>Journal of Cleaner Production</i> , <b>2018</b> , 204, 425-438	10.3	39

227	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> , <b>2019</b> , 571, 110-124	5.1	37
226	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> , <b>2018</b> , 228, 1911-1920	10.7	37
225	Nano photo scouring and nano photo bleaching of raw cellulosic fabric using nano TiO <sub>2</sub> . <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 1018-25	7.9	37
224	Application of nanotechnology in sports clothing and flooring for enhanced sport activities, performance, efficiency and comfort: a review. <i>Journal of Industrial Textiles</i> , <b>2017</b> , 46, 1147-1169	1.6	36
223	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> , <b>2018</b> , 25, 2355-2366	5.5	36
222	Dyeing of wool with Marigold and its properties. <i>Fibers and Polymers</i> , <b>2007</b> , 8, 181-185	2	36
221	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> , <b>2016</b> , 31, 257-66	8.9	35
220	Optimization of dyeing of wool with madder and liposomes by central composite design. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 1614-1621	2.9	35
219	Novel method for synthesis of silver nanoparticles and their application on wool. <i>Applied Surface Science</i> , <b>2015</b> , 346, 477-483	6.7	34
218	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> , <b>2012</b> , 415, 431-438	5.1	34
217	Influence of the surface hydrolysis on the functionality of poly(ethylene terephthalate) fabric treated with nanotitanium dioxide. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 1176-1184	2.9	34
216	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> , <b>2015</b> , 27, 10-21	8.9	32
215	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> , <b>2015</b> , 22, 4049-4064	5.5	31
214	Antibacterial, UV protective and ammonia sensing functionalized polyester fabric through in situ synthesis of cuprous oxide nanoparticles. <i>Fibers and Polymers</i> , <b>2017</b> , 18, 1269-1279	2	31
213	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> , <b>2015</b> , 149, 103-15	6.7	31
212	Application of laccases with cellulases on denim for clean effluent and repeatable biowashing. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 3121-3129	2.9	31
211	In situ synthesis of nano ZnO on starch sized cotton introducing nano photo active fabric optimized with response surface methodology. <i>Carbohydrate Polymers</i> , <b>2015</b> , 132, 126-33	10.3	30
210	In situ photo sonosynthesis and characterize nonmetal/metal dual doped honeycomb-like ZnO nanocomposites on wool fabric. <i>Ultrasonics Sonochemistry</i> , <b>2015</b> , 27, 200-209	8.9	30

209	Pretreatment of wool/polyester blended fabrics to enhance titanium dioxide nanoparticle adsorption and self-cleaning properties. <i>Coloration Technology</i> , <b>2011</b> , 127, 322-327	2	29
208	Extraction, identification and sorption studies of dyes from madder on wool. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 3799-3808	2.9	29
207	Synthesis of Ag-liposome nano composites. <i>Journal of Liposome Research</i> , <b>2010</b> , 20, 323-9	6.1	29
206	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> , <b>2016</b> , 506, 507-513	5.1	29
205	Simultaneous encapsulation and stabilization of Aloe vera extract on cotton fabric for wound dressing application. <i>RSC Advances</i> , <b>2016</b> , 6, 111895-111902	3.7	29
204	Synthesis of applicable hydrogel corn silk/ZnO nanocomposites on polyester fabric with antimicrobial properties and low cytotoxicity. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 123, 1079-1090	7.9	29
203	Natural and organo-montmorillonite as antibacterial nanoclays for cotton garment. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 22, 164-170	6.3	28
202	MOF-modified polyester fabric coated with reduced graphene oxide/polypyrrole as electrode for flexible supercapacitors. <i>Electrochimica Acta</i> , <b>2020</b> , 336, 135743	6.7	28
201	Tunable shaped N-doped CuO nanoparticles on cotton fabric through processing conditions: synthesis, antibacterial behavior and mechanical properties. <i>Cellulose</i> , <b>2016</b> , 23, 2229-2243	5.5	28
200	Optimization of the hot alkali treatment of polyester/cotton fabric with sodium hydrosulfite. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 5049-5055	2.9	28
199	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> , <b>2020</b> , 262, 114501	10.7	27
198	Zinc oxide nano particles coating on polyester fabric functionalized through alkali treatment. <i>Journal of Industrial Textiles</i> , <b>2018</b> , 47, 1006-1023	1.6	27
197	Synthesis of nanosilver on polyamide fabric using silver/ammonia complex. <i>Materials Science and Engineering C</i> , <b>2014</b> , 38, 170-6	8.3	27
196	Photo bleaching of wool using nano TiO <sub>2</sub> under daylight irradiation. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 83-90	6.3	27
195	Synthesizing and stabilizing silver nanoparticles on polyamide fabric using silver-ammonia/PVP/UVC. <i>Progress in Organic Coatings</i> , <b>2012</b> , 75, 379-385	4.8	27
194	Nano-colloidal functionalization of textiles based on polysiloxane as a novel photo-catalyst assistant: processing design. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 88, 381-8	6	27
193	Treatment of wool with laccase and dyeing with madder. <i>Applied Biochemistry and Biotechnology</i> , <b>2009</b> , 158, 685-93	3.2	27
192	In situ synthesis and characterization of nano ZnO on wool: influence of nano photo reactor on wool properties. <i>Photochemistry and Photobiology</i> , <b>2013</b> , 89, 1057-63	3.6	26

191	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> , <b>2015</b> , 91, 1078-87	3.6	26
190	Aminolysis of polyethylene terephthalate surface along with in situ synthesis and stabilizing ZnO nanoparticles using triethanolamine optimized with response surface methodology. <i>Materials Science and Engineering C</i> , <b>2016</b> , 58, 495-503	8.3	25
189	Simultaneous synthesis of nano silver and activation of polyester producing higher tensile strength aminohydroxylated fiber with antibacterial and hydrophilic properties. <i>RSC Advances</i> , <b>2014</b> , 4, 46250-46256	3.7	25
188	Aged-look vat dyed cotton with anti-bacterial/anti-fungal properties by treatment with nano clay and enzymes. <i>Carbohydrate Polymers</i> , <b>2013</b> , 95, 338-47	10.3	25
187	Electrical conductivity of single walled and multiwalled carbon nanotube containing wool fibers. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 3353-3358	2.9	25
186	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> , <b>2015</b> , 91, 208-215	10.3	24
185	Preparation of flame retardant wool using zirconium acetate optimized by CCD. <i>Thermochimica Acta</i> , <b>2011</b> , 520, 134-138	2.9	24
184	Flame retardant wool using zirconium oxychloride in various acidic media optimized by RSM. <i>Thermochimica Acta</i> , <b>2011</b> , 516, 29-34	2.9	24
183	Nano silver entrapped in phospholipids membrane: synthesis, characteristics and antibacterial kinetics. <i>Molecular Membrane Biology</i> , <b>2011</b> , 28, 206-15	3.4	24
182	Flower buds like PVA/ZnO composite nanofibers assembly: Antibacterial, in vivo wound healing, cytotoxicity and histological studies. <i>Polymer Testing</i> , <b>2021</b> , 93, 106914	4.5	24
181	Decorating silver nanoparticles on electrospun cellulose nanofibers through a facile method by dopamine and ultraviolet irradiation. <i>Cellulose</i> , <b>2017</b> , 24, 3179-3190	5.5	23
180	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> , <b>2017</b> , 177, 1-12	10.3	23
179	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> , <b>2012</b> , 91, 280-90	6	23
178	Antibacterial properties of raw and degummed silk with nanosilver in various conditions. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, 253-258	2.9	23
177	Influence of temperature on stability of multilamellar liposomes in wool dyeing. <i>Journal of Liposome Research</i> , <b>2006</b> , 16, 81-9	6.1	23
176	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> , <b>2016</b> , 23, 2946-2955	7	22
175	Functional cotton fabric using hollow glass microspheres: Focus on thermal insulation, flame retardancy, UV-protection and acoustic performance. <i>Progress in Organic Coatings</i> , <b>2020</b> , 141, 105553	4.8	22
174	Application of sonochemical technique for sustainable surface modification of polyester fibers resulting in durable nano-sonofinishing. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 37, 158-168	8.9	21



173	A novel cotton fabric with anti-bacterial and drug delivery properties using SBA-15-NH <sub>2</sub> /polysiloxane hybrid containing tetracycline. <i>Materials Science and Engineering C</i> , <b>2016</b> , 59, 429-437	8.3	20
172	Wearable supercapacitors on polyethylene terephthalate fabrics with good wash fastness and high flexibility. <i>Journal of Power Sources</i> , <b>2017</b> , 367, 34-41	8.9	20
171	Low toxic antibacterial application with hydrophobic properties on polyester through facile and clean fabrication of nano copper with fatty acid. <i>Materials Science and Engineering C</i> , <b>2019</b> , 97, 177-187	8.3	20
170	Polyester modification through synthesis of copper nanoparticles in presence of triethanolamine optimized with response surface methodology. <i>Fibers and Polymers</i> , <b>2017</b> , 18, 434-444	2	19
169	A novel polyvinyl alcohol/Tragacanth/nano silver hydrogel on polyester fabric through in situ synthesis method. <i>Journal of Industrial Textiles</i> , <b>2016</b> , 45, 1635-1651	1.6	19
168	Tunable functional properties on polyester fabric using simultaneous green reduction of graphene oxide and silver nitrate. <i>Fibers and Polymers</i> , <b>2016</b> , 17, 1359-1370	2	19
167	Tragacanth nanocapsules containing Chamomile extract prepared through sono-assisted W/O/W microemulsion and UV cured on cotton fabric. <i>Carbohydrate Polymers</i> , <b>2017</b> , 170, 234-240	10.3	18
166	Effect of laser CO <sub>2</sub> irradiation on various properties of polyester fabric: Focus on dyeing. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 342-348	2.9	18
165	Fabrication of electrically conductive superparamagnetic fabric with microwave attenuation, antibacterial properties and UV protection using PEDOT/magnetite nanoparticles. <i>Materials and Design</i> , <b>2018</b> , 160, 34-47	8.1	18
164	Amidohydroxylated polyester with biophotoactivity along with retarding alkali hydrolysis through in situ synthesis of Cu/Cu <sub>2</sub> O nanoparticles using diethanolamine. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	17
163	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> , <b>2017</b> , 34, 121-131	3.4	17
162	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> , <b>2019</b> , 143, 1839-1851	8.1	17
161	A modified microemulsion method for fabrication of hydrogel Tragacanth nanofibers. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 115, 317-323	7.9	17
160	Surface modification of PET fabric through in-situ reduction and cross-linking of graphene oxide: Towards developing durable conductive fabric coatings. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 545, 16-25	5.1	17
159	Polyester with durable UV protection properties through using nano TiO <sub>2</sub> and polysiloxane softener optimized by RSM. <i>Journal of the Textile Institute</i> , <b>2013</b> , 104, 511-520	1.5	17
158	A novel controlled release system based on Tragacanth nanofibers loaded Peppermint oil. <i>Carbohydrate Polymers</i> , <b>2019</b> , 205, 589-595	10.3	17
157	Scalable, eco-friendly and simple strategy for nano-functionalization of textiles using immobilized copper-based nanoparticles. <i>Clean Technologies and Environmental Policy</i> , <b>2018</b> , 20, 2119-2133	4.3	16
156	Optimization of proteases pretreatment on natural dyeing of wool using response surface methodology. <i>Clean Technologies and Environmental Policy</i> , <b>2014</b> , 16, 1081-1093	4.3	16

155	Na-diclofenac $\beta$ -cyclodextrin inclusion complex on cotton wound dressing. <i>Journal of the Textile Institute</i> , <b>2010</b> , 101, 373-379	1.5	16
154	Lipases improve the grafting of poly(ethylene terephthalate) fabrics with acrylic acid. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 116, 203-209	2.9	16
153	Ketoconazole and Ketoconazole/ $\beta$ -cyclodextrin performance on cotton wound dressing as fungal skin treatment. <i>Carbohydrate Polymers</i> , <b>2020</b> , 240, 116267	10.3	15
152	Reducing drag force on polyester fabric through superhydrophobic surface via nano-pretreatment and water repellent finishing. <i>Journal of the Textile Institute</i> , <b>2018</b> , 109, 92-97	1.5	15
151	A novel multifunctional cotton fabric using ZrO <sub>2</sub> NPs/urea/CTAB/MA/SHP: introducing flame retardant, photoactive and antibacterial properties. <i>Journal of the Textile Institute</i> , <b>2016</b> , 107, 1253-1263	1.5	15
150	One step synthesis of silver nanoparticles and discoloration of blue cotton denim garment in alkali media. <i>Journal of Polymer Research</i> , <b>2013</b> , 20, 1	2.7	15
149	Simultaneous nano TiO <sub>2</sub> sensitization, application and stabilization on polyester fabric using madder and NaOH producing enhanced self-cleaning with hydrophilic properties under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 332, 158-166	4.7	15
148	Nano-TiO <sub>2</sub> /maleic acid/triethanol amine/sodium hypophosphite colloid on cotton to produce cross-linking and self-cleaning properties. <i>Journal of the Textile Institute</i> , <b>2012</b> , 103, 795-805	1.5	15
147	A robust friendly nano-encapsulated plant extract in hydrogel Tragacanth gum on cotton fabric through one single step in-situ synthesis and fabrication. <i>Cellulose</i> , <b>2016</b> , 23, 2561-2572	5.5	15
146	In-Situ sonosynthesis of Hedgehog-like nickel nanoparticles on polyester fabric producing magnetic properties. <i>Ultrasonics Sonochemistry</i> , <b>2018</b> , 42, 679-688	8.9	15
145	Electrical conductivity of different carbon nanotubes on wool fabric: An investigation on the effects of different dispersing agents and pretreatments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 497, 81-89	5.1	14
144	In situ incorporation and loading of copper nanoparticles into a palmitic acid phase-change material on polyester fibers. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 46951	2.9	14
143	Application of polyurethane/citric acid/silicone softener composite on cotton/polyester knitted fabric producing durable soft and smooth surface. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 4141-4148	2.9	14
142	Surface roughness and wettability of wool fabrics loaded with silver nanoparticles: Influence of synthesis and application methods. <i>Textile Research Journal</i> , <b>2013</b> , 83, 1310-1318	1.7	14
141	$\beta$ -Cyclodextrin stabilized on three-dimensional polyester fabric with different crosslinking agents. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 116, 210-217	2.9	14
140	Innovative preparation of bacterial cellulose/silver nanocomposite hydrogels: In situ green synthesis, characterization, and antibacterial properties. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 49824	2.9	14
139	One pot denim washing and finishing using organo-montmorillonite: introducing nano mineral washing and finishing. <i>Textile Research Journal</i> , <b>2015</b> , 85, 91-100	1.7	13
138	Carbon black enhanced conductivity, carbon yield and dye adsorption of sustainable cellulose derived carbon nanofibers. <i>Cellulose</i> , <b>2018</b> , 25, 5227-5240	5.5	13

137	Obtention of 74:26 polyester/cellulose fabric blend with super-hydrophobic and super-hydrophilic properties by air corona discharge treatment and their characterization. <i>Carbohydrate Polymers</i> , <b>2018</b> , 198, 17-25	10.3	13
136	Conductive and photoactive properties of polyethylene terephthalate fabrics treated with nano TiO <sub>2</sub> /nano carbon blacks. <i>New Carbon Materials</i> , <b>2013</b> , 28, 313-320	4.4	13
135	Optimization of wool mothproofing with nano TiO <sub>2</sub> using statistical analysis. <i>Journal of the Textile Institute</i> , <b>2014</b> , 105, 74-83	1.5	13
134	Mothproofing of wool fabric utilizing ZnO nanoparticles optimized by statistical models. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 4207-4214	6.3	13
133	Novel durable bio-photocatalyst purifiers, a non-heterogeneous mechanism: accelerated entrapped dye degradation into structural polysiloxane-shield nano-reactors. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 101, 457-64	6	13
132	Mechanical slenderising of coarse wool fibre and determination of its characteristics with FTIR and Raman spectroscopy. <i>Journal of the Textile Institute</i> , <b>2012</b> , 103, 8-18	1.5	13
131	Smart photoactive soft materials for environmental cleaning and energy production through incorporation of nanophotocatalyst on polymers and textiles. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 235-253	3.2	13
130	A protective polyester fabric with magnetic properties using mixture of carbonyl iron and nano carbon black along with aluminium sputtering. <i>Journal of Industrial Textiles</i> , <b>2018</b> , 47, 674-685	1.6	12
129	TiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> /Ag nanophotocatalysts in solar fuel production: New approach to using a flexible lightweight sustainable textile fabric. <i>Journal of Cleaner Production</i> , <b>2018</b> , 196, 688-697	10.3	12
128	Herbal products on cellulosic fabric with controlled release: comparison of in situ encapsulation and UV curing of the prepared nanocapsules. <i>Cellulose</i> , <b>2017</b> , 24, 4033-4043	5.5	12
127	Introducing covalent and ionic cross-linking into cotton through polycarboxylic acids and nano TiO <sub>2</sub> . <i>Journal of the Textile Institute</i> , <b>2012</b> , 103, 985-996	1.5	12
126	Modification of wool surface by liposomes for dyeing with weld. <i>Journal of Liposome Research</i> , <b>2009</b> , 19, 173-9	6.1	12
125	Clean low-temperature in situ synthesis of durable silver nanoparticles along with aminolysis of polyester fabric using dopamine hydrochloride. <i>Clean Technologies and Environmental Policy</i> , <b>2016</b> , 18, 2019-2026	4.3	12
124	Textile with immobilised nano titanium dioxide for repeated discoloration of CI Reactive Black 5 under UV-A. <i>Coloration Technology</i> , <b>2012</b> , 128, 403-409	2	11
123	Flame Retardancy of Wool Fabric with Zirconium Oxychloride Optimized by Central Composite Design. <i>Journal of Fire Sciences</i> , <b>2010</b> , 28, 561-572	1.5	11
122	A new route to synthesis silver nanoparticles on polyamide fabric using stannous chloride. <i>Journal of the Textile Institute</i> , <b>2015</b> , 106, 970-977	1.5	10
121	Formulation and characterization of alprazolam-loaded nanoliposomes: screening of process variables and optimizing characteristics using RSM. <i>Drug Development and Industrial Pharmacy</i> , <b>2018</b> , 44, 296-305	3.6	10
120	CO <sub>2</sub> laser irradiation of raw and bleached cotton fabrics, with focus on water and dye absorbency. <i>Coloration Technology</i> , <b>2014</b> , 130, 13-20	2	10

119	Simultaneous dyeing and mothproofing of wool against <i>Dermestes Maculatus</i> with madder optimized by statistical model. <i>Clean Technologies and Environmental Policy</i> , <b>2014</b> , 16, 1675-1686	4.3	10
118	Recycling of cellulosic fibers by enzymatic process. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 166, 744-52	3.2	10
117	Microbial trans-glutaminase enhances the physical and mechanical properties of depigmented wool. <i>Engineering in Life Sciences</i> , <b>2012</b> , 12, 216-222	3.4	10
116	Enhancing Dye-ability and Antibacterial Features of Silk through Pre-treatment with Chitosan. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2013</b> , 8, 155892501300800	0.9	10
115	Treatment of bleached wool with trans-glutaminases to enhance tensile strength, whiteness, and alkali resistance. <i>Applied Biochemistry and Biotechnology</i> , <b>2011</b> , 165, 748-59	3.2	10
114	In Situ Photo Sonosynthesis of Organic/Inorganic Nanocomposites on Wool Fabric Introducing Multifunctional Properties. <i>Photochemistry and Photobiology</i> , <b>2016</b> , 92, 76-86	3.6	10
113	Capacitance performance boost of cellulose-derived carbon nanofibers via carbon and silver nanoparticles. <i>Cellulose</i> , <b>2019</b> , 26, 2499-2512	5.5	10
112	A cleaner and one-step approach for robust coloration of polyester fibers via hydrophobic magnetically recoverable photocatalyst fatty acids/nano iron oxide coating. <i>Journal of Cleaner Production</i> , <b>2020</b> , 244, 118673	10.3	10
111	New approaches and future aspects of antibacterial food packaging: from nanoparticles coating to nanofibers and nanocomposites, with foresight to address the regulatory uncertainty <b>2017</b> , 533-565		9
110	In-situ sonosynthesis of cobblestone-like ZnO nanoparticles on cotton/polyester fabric improving photo, bio and sonocatalytic activities along with low toxicity and enhanced mechanical properties. <i>Materials Science in Semiconductor Processing</i> , <b>2017</b> , 66, 92-98	4.3	9
109	Microwave absorption and photocatalytic properties of magnetic nickel nanoparticles/recycled PET nanofibers web. <i>Journal of the Textile Institute</i> , <b>2019</b> , 110, 1606-1614	1.5	9
108	Novel cellulose fabric with multifunctional properties through diverse methods of Ag/TiO <sub>2</sub> /β-cyclodextrin nanocomposites synthesis. <i>Cellulose</i> , <b>2018</b> , 25, 1449-1462	5.5	9
107	Cationization of cellulose/polyamide on UV protection, bio-activity, and electro-conductivity of graphene oxide-treated fabric. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45493	2.9	9
106	In-situ synthesis of nano-copper on denim garment along with nano-clay for antibacterial and decoloration purposes. <i>Cellulose</i> , <b>2017</b> , 24, 4083-4095	5.5	9
105	Novel spacer three-dimensional polyester fabric with β-cyclodextrin and butane tetra carboxylic acid. <i>Journal of the Textile Institute</i> , <b>2010</b> , 101, 165-172	1.5	9
104	A Novel Semi-bionanofibers through Introducing Tragacanth Gum into PET Attaining Rapid Wetting and Degradation. <i>Fibers and Polymers</i> , <b>2018</b> , 19, 2088-2096	2	9
103	Electro-conductivity, bioactivity and UV protection of graphene oxide-treated cellulosic/polyamide fabric using inorganic and organic reducing agents. <i>Journal of the Textile Institute</i> , <b>2017</b> , 108, 1777-1786	1.5	8
102	A practical approach to load CuO/MnO <sub>2</sub> core/shell nanostructures on textiles through in situ wet chemical synthesis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 583, 123998	5.1	8

101	Multi-functional Polyester Hollow Fiber Nonwoven Fabric with Using Nano Clay/Nano TiO <sub>2</sub> /Polysiloxane Composites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2013</b> , 23, 1358-1367	3.2	8
100	Optimization of zirconium acetate on the flame retardant properties of wool. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 1261-1266	2.9	8
99	Simultaneous antimicrobial and dyeing of wool: A facial method. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 1405-1411	2.9	8
98	Microwave absorption characterization and wettability of magnetic nano iron oxide/recycled PET nanofibers web. <i>Journal of the Textile Institute</i> , <b>2019</b> , 110, 989-999	1.5	8
97	Low starch/corn silk/ZnO as environmentally friendly nanocomposites assembling on PET fabrics. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 170, 780-792	7.9	8
96	Protein and silver nitrate interaction during finer wool production: enhancing tensile properties along with synthesis of nano silver. <i>Journal of the Textile Institute</i> , <b>2017</b> , 108, 78-83	1.5	7
95	A novel biocompatible antibacterial product: Nanoliposomes loaded with poly(hexamethylene biguanide chloride). <i>Journal of Bioactive and Compatible Polymers</i> , <b>2017</b> , 32, 242-262	2	7
94	Electro-conductive modification of polyethylene terephthalate fabric with nano carbon black and washing fastness improvement by dopamine self-polymerized layer. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 48035	2.9	7
93	Click Electroless Plating and Sonoplatin of Polyester with Copper Nanoparticles Producing Conductive Fabric. <i>Fibers and Polymers</i> , <b>2020</b> , 21, 522-531	2	7
92	The Influence of the Coarse Wool Treatment on Fiber Structure and Physico-Mechanical Parameters. <i>Journal of Natural Fibers</i> , <b>2014</b> , 11, 1-12	1.8	7
91	Durable multifunctional properties on acrylic fabric using nano TiO <sub>2</sub> and polysiloxane. <i>Fibers and Polymers</i> , <b>2014</b> , 15, 698-706	2	7
90	Stability of colloidal silver nanoparticles trapped in lipid bilayer: effect of lecithin concentration and applied temperature. <i>IET Nanobiotechnology</i> , <b>2014</b> , 8, 282-9	2	7
89	Novel jute yarns grafted with methyl methacrylate. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 107, 2067-2073	2.7	7
88	Sonoloading of nano-TiO <sub>2</sub> on sono-alkali hydrolyzed polyester fabric. <i>Journal of the Textile Institute</i> , <b>2017</b> , 108, 117-122	1.5	6
87	Facile fabrication of cytocompatible polyester fiber composite incorporated via photocatalytic nano copper ferrite/myristic-lauric fatty acids coating with antibacterial and hydrophobic performances. <i>Materials Science and Engineering C</i> , <b>2019</b> , 104, 109888	8.3	6
86	A new route for synthesis of silver:gold alloy nanoparticles loaded within phosphatidylcholine liposome structure as an effective antibacterial agent against <i>Pseudomonas aeruginosa</i> . <i>Journal of Liposome Research</i> , <b>2015</b> , 25, 38-45	6.1	6
85	Denim Fabric with Flame retardant, hydrophilic and self-cleaning properties conferring by in-situ synthesis of silica nanoparticles. <i>Cellulose</i> , <b>2020</b> , 27, 6643-6661	5.5	6
84	High-Performance Electromagnetic Interference Shielding Electrodes/Substrates for Wearable Electronics. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 12774-12783	3.9	6

83	Low-temperature assembling of naturally driven copper ferrite starch nanocomposites hydrogel with magnetic and antibacterial activities. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48961	2.9	6
82	Introducing Old-look, Soft Handle, Flame Retardant, and Anti-bacterial Properties to Denim Garments Using Nano Clay. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2013</b> , 8, 155892501300800	0.9	6
81	Application of resins and crosslinking agents on fiber blend fabric to reduce pilling performance, optimized by response surface methodology. <i>Journal of Vinyl and Additive Technology</i> , <b>2011</b> , 17, 213-221 <sup>2</sup>		6
80	Novel conductive polyester using PEDOT:PSS, carbon black nanoparticles stabilized with vinyl acrylate copolymer. <i>Synthetic Metals</i> , <b>2019</b> , 247, 268-275	3.6	6
79	In-situ Synthesis of SiO <sub>2</sub> Nanoparticles on Polyester Fabric as Benign Multi-purpose Catalysts. <i>Fibers and Polymers</i> , <b>2018</b> , 19, 2564-2573	2	6
78	In Situ Nanoassembly of Mg-Al Layered Double Hydroxide on Polyester Fabric Surface: Mechanism, Tunable Wettability, and Boosted Thermal Features. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 16532-16540	3.9	5
77	Multifunctional colored polyester fabric treated with dopamine hydrochloride at room temperature: higher tensile, hydrophilicity and anti-bacterial properties along with aminolysis. <i>Fibers and Polymers</i> , <b>2017</b> , 18, 1915-1923	2	5
76	Antibacterial Properties of Clay Layers Silicate: A Special Study of Montmorillonite on Cotton Fiber. <i>Asian Journal of Chemistry</i> , <b>2013</b> , 25, 2889-2892	0.4	5
75	In situ synthesis of polyamidoamine/β-cyclodextrin/silver nanocomposites on polyester fabric tailoring drug delivery and antimicrobial properties. <i>Reactive and Functional Polymers</i> , <b>2020</b> , 152, 104602 <sup>4.6</sup>	4.6	5
74	Biologically active PET/polysaccharide-based nanofibers post-treated with selenium/Tragacanth Gum nanobiocomposites. <i>Carbohydrate Polymers</i> , <b>2021</b> , 251, 117125	10.3	5
73	Clean Sono-synthesis of ZnO on Cotton/Nylon Fabric Using Dopamine: Photocatalytic, Hydrophilic, Antibacterial Features. <i>Fibers and Polymers</i> , <b>2021</b> , 22, 97-108	2	5
72	Stable ZnO/SiO <sub>2</sub> nano coating on polyester for anti-bacterial, self-cleaning and flame retardant applications. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 267, 124674	4.4	5
71	A Novel Polyester Fabric Treated with Nanoclay/Nano TiO <sub>2</sub> /PAMAM for Discoloration of Reactive Red 4 from Aqueous Solution Under UVA Irradiation. <i>Journal of Polymers and the Environment</i> , <b>2017</b> , 25, 1321-1334	4.5	4
70	Spraying Colloidal Nano TiO <sub>2</sub> and Cross-linkable Polysiloxane onto Acrylic Carpet for Self-cleaning. <i>Research Journal of Textile and Apparel</i> , <b>2014</b> , 18, 51-60	1.1	4
69	Reduction of 4-nitrophenol to 4-aminophenol over sonoimmobilized silver/reduced graphene oxide nanocomposites on polyester fabric. <i>Fibers and Polymers</i> , <b>2017</b> , 18, 2287-2297	2	4
68	Optimization of cotton crosslinking with polycarboxylic acids and nano TiO <sub>2</sub> using central composite design. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, n/a-n/a	2.9	4
67	Preparation of long-lasting antibacterial wound dressing through diffusion of cationic-liposome-encapsulated polyhexamethylene biguanide. <i>Reactive and Functional Polymers</i> , <b>2021</b> , 169, 105092	4.6	4
66	Facile technique for wool coloration via locally forming of nano selenium photocatalyst imparting antibacterial and UV protection properties. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 101, 153-164	6.3	4

65	Fabrication of nano-TiO <sub>2</sub> /carbon nanotubes and nano-TiO <sub>2</sub> /nanocarbon black on alkali hydrolyzed polyester producing photoactive conductive fabric. <i>Journal of the Textile Institute</i> , <b>2016</b> , 107, 95-106	1.5	3
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63	Biocompatible Stabilize Silver Nanoparticles and Their Antimicrobial Activity. <i>Advanced Science Letters</i> , <b>2016</b> , 22, 616-621	0.1	3
62	Influence of Nano Colloidal Silver in Dyeing of Wool with Acid Blue 92: Isotherm Adsorption, Kinetic Studies and Dyed Wool Characterization. <i>Journal of Natural Fibers</i> , <b>2016</b> , 13, 204-214	1.8	3
61	Magnetic nanofinishes for textiles <b>2018</b> , 225-240		3
60	A coloured polyester fabric with antimicrobial properties conferred by copper nanoparticles. <i>Coloration Technology</i> , <b>2019</b> , 135, 427-438	2	3
59	Synthesis and Characterization of Au:Ag Nanoparticles Using Trisodium Citrate and SDS. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2014</b> , 44, 1421-1425		3
58	Optimization of Wool Slenderizing Along with In-situ Synthesis of Silver Nanoparticles Using BoxBehnken Design. <i>Journal of Natural Fibers</i> , <b>2017</b> , 14, 175-184	1.8	3
57	Application of Nano Silver/Lecithin on Wool through Various Methods: Antibacterial Properties and Cell Toxicity. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2014</b> , 9, 155892501400900	0.9	3
56	The effect of polyester fibres on quality of hand-knotted carpets. <i>Journal of the Textile Institute</i> , <b>2005</b> , 96, 1-9	1.5	3
55	Zirconium Oxychloride as a Novel Mordant for Natural Dyeing of Wool Yarns. <i>Journal of Textiles</i> , <b>2013</b> , 2013, 1-6		3
54	Green Synthesis of Organo-Montmorillonite/Silver Nanocomposites on Dyed Cotton with Vat Dyes to Achieve Biocompatible Antibacterial Properties on Fashionable Clothing. <i>Journal of Natural Fibers</i> , 1-16	1.8	3
53	Diverse-shaped ZnO nanoparticles on polyester fabric through assorted in situ methods: studying plasma treatment order and different alkali media. <i>Journal of the Textile Institute</i> , <b>2020</b> , 1-16	1.5	3
52	Rapid Discoloration of Methyl Orange in Water by Conductive Cu/Cu <sub>2</sub> O/rGO Modified Polyester Fabric. <i>Journal of Polymers and the Environment</i> , <b>2018</b> , 26, 2502-2513	4.5	3
51	Single-step Synthesis and Characterization of Zr-MOF onto Wool Fabric: Preparation of Antibacterial Wound Dressing with High Absorption Capacity. <i>Fibers and Polymers</i> , 1	2	3
50	Biomedical Applicable Cellulose Fabric Modified with Zirconium-Based Metal-Organic Frameworks (Zr-MOFs). <i>Starch/Staerke</i> , <b>2021</b> , 73, 2100120	2.3	3
49	Introduction: Textile finishing <b>2018</b> , 1-17		2
48	Nanosurface activation <b>2018</b> , 65-82		2

47	Health, safety, and environmental aspects of textile nanofinishing <b>2018</b> , 311-318		2
46	Bio-washing of Pigment Dyed Denim with Laccases. <i>Research Journal of Textile and Apparel</i> , <b>2014</b> , 18, 35-41	1.1	2
45	The Isotherms, Kinetics, and Thermodynamics of Acid Dye on Nylon6 with Different Amounts of Titania and Fiber Cross Sectional Shape. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2015</b> , 10, 155892501501000	0.9	2
44	Multifunctional Composite Based on Cotton Fabric and Starch-Copper Ferrite Hydrogel Prepared through Facile Room Temperature Preparation Approach. <i>Starch/Staerke</i> , <b>2021</b> , 2100222	2.3	2
43	A Cleaner Affordable Method for Production of Bactericidal Textile Substrates by in situ Deposition of ZnO/Ag Nanoparticles. <i>Fibers and Polymers</i> , <b>2021</b> , 1, 1-10	2	2
42	PCM nanofibrous composites based on PEG/PVA incorporated by TiO <sub>2</sub> /Ag nanoparticles for thermal energy management. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51357	2.9	2
41	Dual metal oxide loaded cotton/polyester fabric with photo, bio and magnetic properties. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 50, 170-186	1.6	2
40	Dyeing of cotton fabric with antibacterial properties using direct dye and CTAB. <i>Journal of Natural Fibers</i> , <b>2020</b> , 17, 223-234	1.8	2
39	Antibacterial nanocoatings <b>2020</b> , 399-413		2
38	Functionalization of cellulose fibers alongside growth of 2D LDH platelets through urea hydrolysis inspired Taro wettability. <i>Carbohydrate Polymers</i> , <b>2022</b> , 275, 118584	10.3	2
37	Synthesis and daylight photocatalytic properties of graphene/self-doped tin oxide/silver ternary nanocomposite on fabric surface. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2022</b> , 422, 113561	4.7	2
36	A Novel Polyester Fabric Coated with Nanoclay for Discoloration of Reactive Red 4 Dye from Aqueous Solution. <i>Oriental Journal of Chemistry</i> , <b>2017</b> , 33, 2023-2029	0.8	1
35	Nanofinishing: Fundamental principles <b>2018</b> , 19-34		1
34	Nanoscouring <b>2018</b> , 35-50		1
33	Nanofinishes for protective textiles <b>2018</b> , 265-294		1
32	Nanoencapsulation techniques for textile finishing <b>2018</b> , 295-310		1
31	Cellulase Pretreatment on Mercerized Cotton to Enhance X-Linking, Self-cleaning, and Antibacterial Properties Using Nano TiO <sub>2</sub> /CA/BTCA: Statistical Approaches. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2013</b> , 8, 155892501300800	0.9	1
30	Bio and photoactive starch/MnO and starch/MnO/cotton hydrogel nanocomposite. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 193, 681-692	7.9	1



29	Copper Sonosensitization and Nickel Electroless Sonoplatin on Polyester Fabric Generating Conductive, Magnetic and Antibacterial Properties. <i>Fibers and Polymers</i> , <b>2021</b> , 22, 1556	2	1
28	Thermal energy storage and management applications through engineered fibrous material <b>2021</b> , 277-306		1
27	Glass nanofibrous yarn through electrospinning along with in situ synthesis of silver nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , <b>2018</b> , 88, 528-540	2.3	1
26	Nanosoftening <b>2018</b> , 83-94		0
25	Nanofinishes for self-cleaning textiles <b>2018</b> , 127-143		0
24	Antimicrobial textile nanofinishes <b>2018</b> , 145-161		0
23	Enhanced ultraviolet -protective textiles based on reduced graphene oxide-silver nanocomposites on polyethylene terephthalate using ultrasonic-assisted in-situ thermal synthesis. <i>Journal of Applied Polymer Science</i> , 52196	2.9	0
22	Oxygenated-bacterial-cellulose nanofibers with hydrogel, antimicrobial, and controlled oxygen release properties for rapid wound healing. <i>Journal of Applied Polymer Science</i> , 51974	2.9	0
21	Photo and Bio Activities of Magnetic Electrospun Recycled Polyester Mat. <i>Journal of Polymers and the Environment</i> , <b>2020</b> , 28, 3235-3243	4.5	0
20	Water-soluble electrospun strip based on the PVP/PVA/ mint extract modified with chitosan-glucosamine for the improvement of water quality. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1	2.7	0
19	Cotton fabric incorporated with Cyclodextrin/ketoconazole/Ag NPs generating outstanding antifungal and antibacterial performances. <i>Cellulose</i> , <b>2021</b> , 28, 8095-8113	5.5	0
18	Nanomodification of polyester fabric surface: Higher performances of synthesized CuFe <sub>2</sub> O <sub>4</sub> comparing with CuO and Fe <sub>3</sub> O <sub>4</sub> NPs. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 283, 126039	4.4	0
17	Highly stretchable conductive fabric using knitted cotton/lycra treated with polypyrrole/silver NPs composites post-treated with PEDOT:PSS. <i>Journal of Industrial Textiles</i> , 152808372110592	1.6	0
16	Nanobleaching <b>2018</b> , 51-64		
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14	Nanocrosslinking <b>2018</b> , 109-125		
13	Flame-retardant textile nanofinishes <b>2018</b> , 163-181		
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