Tanveer Hussain

List of Publications by Citations

133 papers	1,904 citations	22 h-index	37 g-index
139 ext. papers	2,356 ext. citations	2.5 avg, IF	5.38 L-index

#	Paper	IF	Citations
133	Hydrophobic treatment of natural fibers and their composites—A review. *Journal of Industrial Textiles*, **2018**, 47, 2153-2183	1.6	192
132	Optimization of alkaline extraction of natural dye from Henna leaves and its dyeing on cotton by exhaust method. *Journal of Cleaner Production*, **2009**, 17, 61-66	10.3	175
131	A critical review of the current water conservation practices in textile wet processing. *Journal of Cleaner Production*, **2018**, 198, 806-819	10.3	94
130	Relationship between structure and dyeing properties of reactive dyes for cotton dyeing. *Journal of Molecular Liquids*, **2017**, 241, 839-844	6	62
129	Current applications of electrospun polymeric nanofibers in cancer therapy. *Materials Science and Engineering C*, **2019**, 97, 966-977	8.3	57
128	Enhanced antibacterial activity of PEO-chitosan nanofibers with potential application in burn infection management. *International Journal of Biological Macromolecules*, **2019**, 135, 1222-1236	7.9	53
127	A review of progress in the dyeing of eco-friendly aliphatic polyester-based polylactic acid fabrics. *Journal of Cleaner Production*, **2015**, 108, 476-483	10.3	48
126	Dyeing properties of natural dyes extracted from eucalyptus. *Journal of the Textile Institute*, **2007**, 98, 559-562	1.5	48
125	Development of sodium alginate/PVA antibacterial nanofibers by the incorporation of essential oils. *Materials Research Express*, **2018**, 5, 035007	1.7	45
124	Chitosan microencapsulation of various essential oils to enhance the functional properties of cotton fabric. *Journal of Microencapsulation*, **2014**, 31, 461-8	3.4	43
123	Multi-response optimization in the development of oleo-hydrophobic cotton fabric using Taguchi based grey relational analysis. *Applied Surface Science*, **2016**, 367, 370-381	6.7	40
122	Fabrication of Robust Multifaceted Textiles by Application of Functionalized TiO2 Nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 581, 123799	5.1	39
121	Development of UV Protective, Superhydrophobic and Antibacterial Textiles Using ZnO and TiO2 Nanoparticles. *Fibers and Polymers*, **2018**, 19, 1647-1654	2	38
120	Production kinetics of polyhydroxyalkanoates by using Pseudomonas aeruginosa gamma ray mutant strain EBN-8 cultured on soybean oil. *3 Biotech*, **2016**, 6, 142	2.8	34
119	Dyeing Properties of Natural Dyes Extracted from Turmeric and their Comparison with Reactive Dyeing. *Research Journal of Textile and Apparel*, **2008**, 12, 1-11	1.1	33
118	A comparative study of mechanical and comfort properties of bamboo viscose as an eco-friendly alternative to conventional cotton fibre in polyester blended knitted fabrics. *Journal of Cleaner Production*, **2015**, 89, 110-115	10.3	32
117	Preparation and characterizations of multifunctional PVA/ZnO nanofibers composite membranes for surgical gown application. *Journal of Materials Research and Technology*, **2019**, 8, 1328-1334	5.5	30

116	Mussel-inspired sandwich-like nanofibers/hydrogel composite with super adhesive, sustained drug release and anti-infection capacity. *Chemical Engineering Journal*, **2020**, 399, 125668	14.7	26
115	In situ deposition of TiO2 nanoparticles on polyester fabric and study of its functional properties. *Fibers and Polymers*, **2015**, 16, 1092-1097	2	25
114	Modification of silica nanoparticles to develop highly durable superhydrophobic and antibacterial cotton fabrics. *Cellulose*, **2019**, 26, 5159-5175	5.5	23
113	Effect of Design and Method of Creating Wicking Channels on Moisture Management and Air Permeability of Cotton Fabrics. *Journal of Natural Fibers*, **2015**, 12, 232-242	1.8	23
112	A novel double-layered polymeric nanofiber-based dressing with controlled drug delivery for pain management in burn wounds. *Polymer Bulletin*, **2019**, 76, 6387-6411	2.4	23
111	Effect of woven fabric structure on the air permeability and moisture management properties. *Journal of the Textile Institute*, **2016**, 107, 596-605	1.5	22
110	Study of influence of interlocking patterns on the mechanical performance of 3D multilayer woven composites. *Journal of Reinforced Plastics and Composites*, **2018**, 37, 429-440	2.9	20
109	Development and characterization of alginate-chitosan-hyaluronic acid (ACH) composite fibers for medical applications. *Fibers and Polymers*, **2016**, 17, 1749-1756	2	19
108	Functional finishing and coloration of textiles with nanomaterials. *Coloration Technology*, **2018**, 134, 327-346	2	17
107	Using the Taguchi method to investigate the effect of different parameters on mean diameter and variation in PA-6 nanofibres produced by needleless electrospinning. *RSC Advances*, **2015**, 5, 76892-76897	3.7	16
106	Comparison of regression and adaptive neuro-fuzzy models for predicting the bursting strength of plain knitted fabrics. *Fibers and Polymers*, **2013**, 14, 1203-1207	2	16
105	Effect of Knitting Parameters on Moisture Management and Air Permeability of Interlock Fabrics. *Autex Research Journal*, **2014**, 14, 39-46	1	16
104	Sustainable and economical one-step desizing, scouring and bleaching method for industrial scale pretreatment of woven fabrics. *Journal of Cleaner Production*, **2015**, 108, 494-502	10.3	15
103	Acetaminophen loaded nanofibers as a potential contact layer for pain management in Burn wounds. *Materials Research Express*, **2018**, 5, 085017	1.7	15
102	Effect of elastane linear density and draft ratio on the physical and mechanical properties of core-spun cotton yarns. *Journal of the Textile Institute*, **2014**, 105, 753-759	1.5	15
101	The fabrications and characterizations of antibacterial PVA/Cu nanofibers composite membranes by synthesis of Cu nanoparticles from solution reduction, nanofibers reduction and immersion methods. *Materials Research Express*, **2019**, 6, 075051	1.7	14
100	Synthesis kinetics of poly(3-hydroxybutyrate) by using a Pseudomonas aeruginosa mutant strain grown on hexadecane. *International Biodeterioration and Biodegradation*, **2016**, 115, 171-178	4.8	14
99	Novel alginate, chitosan, and psyllium composite fiber for wound-care applications. *Journal of Industrial Textiles*, **2017**, 47, 20-37	1.6	13

98	In situ development and application of natural coatings on non-absorbable sutures to reduce incision site infections. *Journal of Wound Care*, **2017**, 26, 115-120	2.2	13
97	Predicting the air permeability of polyester/cotton blended woven fabrics. *Fibers and Polymers*, **2013**, 14, 1172-1178	2	13
96	Effect of different softeners and sanforising treatment on pilling performance of polyester/viscose blended fabrics. *Coloration Technology*, **2008**, 124, 375-378	2	13
95	Statistical models for predicting the thermal resistance of polyester/cotton blended interlock knitted fabrics. *International Journal of Thermal Sciences*, **2014**, 85, 40-46	4.1	12
94	Impact of Different Weft Materials and Washing Treatments on Moisture Management Characteristics of Denim. *Journal of Engineered Fibers and Fabrics*, **2012**, 7, 155892501200700	0.9	12
93	Developments in Health Care and Medical Textiles - A Mini Review-1. *Pakistan Journal of Nutrition*, **2014**, 13, 780-783	0.3	12
92	Modeling the effect of elastane linear density, fabric thread density, and weave float on the stretch, recovery, and compression properties of bi-stretch woven fabrics for compression garments. *Journal of the Textile Institute*, **2016**, 107, 307-315	1.5	11
91	Statistical model for predicting the air permeability of polyester/cotton-blended interlock knitted fabrics. *Journal of the Textile Institute*, **2014**, 105, 214-222	1.5	11
90	Predicting the crease recovery performance and tear strength of cotton fabric treated with modified N-methylol dihydroxyethylene urea and polyethylene softener. *Coloration Technology*, **2010**, 126, 256-260	2	11
89	Comparison of properties of cotton fabric dyed with pigment and reactive dye. *Journal of the Textile Institute*, **2009**, 100, 95-98	1.5	11
88	Artificial intelligence in the colour and textile industry. *Review of Progress in Coloration and Related Topics*, **2008**, 33, 33-45		11
87	Modelling the properties of pigment-printed polypropylene nonwoven fabric using the BoxBehnken technique. *Coloration Technology*, **2015**, 131, 474-480	2	10
86	Multiple response optimization of rotor yarn for strength, unevenness, hairiness and imperfections. *Fibers and Polymers*, **2012**, 13, 118-122	2	10
85	Effect of silica nanoparticles on mechanical properties of Kevlar/epoxy hybrid composites. *Journal of the Textile Institute*, **2019**, 110, 606-613	1.5	10
84	Multi-objective optimization in the development of oil and water repellent cellulose fabric based on response surface methodology and the desirability function. *Materials Research Express*, **2017**, 4, 035302	1.7	9
83	Comparison of artificial neural network and adaptive neuro-fuzzy inference system for predicting the wrinkle recovery of woven fabrics. *Journal of the Textile Institute*, **2015**, 106, 934-938	1.5	9
82	Development of tri-component antibacterial hybrid fibres for potential use in wound care. *Journal of Wound Care*, **2018**, 27, 394-402	2.2	9
81	Multifunctional Finishing of Cotton Fabric. *Autex Research Journal*, **2019**, 19, 191-200	1	9

80	Simultaneous Fixation of Wrinkle-Free Finish and Reactive Dye on Cotton Using Response Surface Methodology. *Clothing and Textiles Research Journal*, **2018**, 36, 119-132	0.7	9
79	Prediction and Correlation of Air Permeability and Light Transmission Properties of Woven Cotton Fabrics. *Autex Research Journal*, **2017**, 17, 61-66	1	8
78	Hepatoprotective and Renoprotective Properties of Lovastatin-Loaded Ginger and Garlic Oil Nanoemulsomes: Insights into Serum Biological Parameters. *Medicina (Lithuania)*, **2019**, 55,	3.1	8
77	Development of slow release silver-containing biomaterial for wound care applications. *Journal of Industrial Textiles*, **2015**, 44, 699-708	1.6	8
76	Composite of PLA Nanofiber and Hexadecyl Trimethyl-Ammonium Chloride-Modified Montmorillonite Clay: Fabrication and Morphology. *Coatings*, **2020**, 10, 484	2.9	8
75	Enhanced filtration and comfort properties of nonwoven filtering facepiece respirator by the incorporation of polymeric nanoweb. *Polymer Bulletin*, **2020**, 77, 5155-5173	2.4	8
74	Effect of Pile Height on the Mechanical Properties of 3D Woven Spacer Composites. *Fibers and Polymers*, **2019**, 20, 1258-1265	2	7
73	Comfort and Mechanical Properties of Polyester/Bamboo and Polyester/Cotton Blended Knitted Fabric. *Journal of Engineered Fibers and Fabrics*, **2015**, 10, 155892501501000	0.9	7
72	Effect of Elastane Denier and Draft Ratio of Core-Spun Cotton Weft Yarns on the Mechanical Properties of Woven Fabrics. *Journal of Engineered Fibers and Fabrics*, **2014**, 9, 155892501400900	0.9	7
71	Comparison of mechanical and ballistic performance of composite laminates produced from single-layer and double-layer interlocked woven structures. *Polymer Composites*, **2014**, 35, 1583-1591	3	7
70	Modelling the properties of pigment-dyed polyester/cotton sheeting fabrics by response surface methodology. *Coloration Technology*, **2013**, 129, 274-278	2	7
69	knowledge-based expert system for dyeing of cotton. Part 1: Design and development. *Coloration Technology*, **2005**, 121, 53-58	2	7
68	Modeling the mechanical and compression properties of polyamide/elastane knitted fabrics used in compression sportswear. *Journal of the Textile Institute*, **2016**, 107, 1240-1252	1.5	6
67	Multi-response optimization of mechanical and comfort properties of bi-stretch woven fabrics using grey relational analysis in Taguchi method. *Journal of the Textile Institute*, **2017**, 108, 794-802	1.5	6
66	Response Surface Optimization in Discharge Printing of Denim Using Potassium Permanganate as Oxidative Agent. *Clothing and Textiles Research Journal*, **2017**, 35, 204-214	0.7	6
65	Use of Taguchi Method and Grey Relational Analysis to Optimize Multiple Yarn Characteristics in Open-End Rotor Spinning. *Autex Research Journal*, **2017**, 17, 67-72	1	6
64	Prediction of warp and weft yarn crimp in cotton woven fabrics. *Journal of the Textile Institute*, **2015**, 106, 1180-1189	1.5	6
63	UV absorbers for cellulosic apparels: A computational and experimental study. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 188, 355-361	4.4	6

62	Development and evaluation of a controlled drug delivery wound dressing based on polymeric porous microspheres. *Journal of Industrial Textiles*, **2016**, 46, 986-999	1.6	6
61	Effect of cotton fiber and yarn characteristics on color variation in woven fabric dyed with vat dyes. *Journal of the Textile Institute*, **2014**, 105, 1287-1292	1.5	6
60	Investigation and modeling of air permeability of Cotton/Polyester blended double layer interlock knitted fabrics. *Fibers and Polymers*, **2014**, 15, 1539-1547	2	6
59	Reducing defects in textile weaving by applying Six Sigma methodology: a case study. *International Journal of Six Sigma and Competitive Advantage*, **2014**, 8, 95	1.6	6
58	Development of Models to Predict Tensile Strength of Cotton Woven Fabrics. *Journal of Engineered Fibers and Fabrics*, **2011**, 6, 155892501100600	0.9	6
57	The Dyeing Process and the Environment: Enhanced Dye Fixation on Cellulosic Fabric Using Newly Synthesized Reactive Dye. *Polish Journal of Environmental Studies*, **2017**, 26, 2215-2222	2.3	6
56	Application of Multifunctional Reactive Dyes on the Cotton Fabric and Conditions Optimization by Response Surface Methodology. *Journal of Natural Fibers*, **2020**, 1-13	1.8	6
55	In-vitro assessment of appropriate hydrophilic scaffolds by co-electrospinning of poly(1,4 cyclohexane isosorbide terephthalate)/polyvinyl alcohol. *Scientific Reports*, **2020**, 10, 19751	4.9	6
54	New Approach of Phase Change Material Encapsulation through in situ Polymerization to Improve Thermo-Regulating Property of Cellulose. *Asian Journal of Chemistry*, **2016**, 28, 1191-1196	0.4	6
53	Comparison of UV Protection Properties of Cotton Fabrics Treated with Aqueous and Methanolic Extracts of Achyranthes aspera and Alhagi maurorum Plants. *Photochemistry and Photobiology*, **2016**, 92, 343-347	3.6	6
52	Development and characterization of conductive ring spun hybrid yarns. *Journal of the Textile Institute*, **2019**, 110, 141-150	1.5	6
51	Bullet-Spinneret based needleless electrospinning; a versatile way to fabricate continuous nanowebs at low voltage. *Materials Research Express*, **2019**, 6, 025053	1.7	6
50	Modelling the properties of one-step pigment-dyed and finished polyester/cotton fabrics using response surface methodology. *Coloration Technology*, **2016**, 132, 414-420	2	5
49	Voltage-assisted photocatalytic activity of ZnO nanorods grown on carbon fabric for effluent treatment. *Journal of Cleaner Production*, **2018**, 201, 909-915	10.3	5
48	Comparison of regression and adaptive neuro-fuzzy models for predicting the compressed air consumption in air-jet weaving. *Fibers and Polymers*, **2014**, 15, 390-395	2	5
47	Colour Fastness Properties of Polyester/Cotton Fabrics Treated with Pigment Orange and Various Functional Finishes. *Asian Journal of Chemistry*, **2015**, 27, 4568-4574	0.4	5
46	Effect of polyester and elastane linear density on the physical and mechanical properties of dual-core-spun cotton yarns. *Journal of Natural Fibers*, **2020**, 17, 463-471	1.8	5
45	Compression and recovery behavior of three-dimensional woven spacer composites. *Journal of Industrial Textiles*, **2021**, 51, 93-109	1.6	5

44	Development of nanofibers based neuropathic patch loaded with Lidocaine to deal with nerve pain in burn patients. *IOP Conference Series: Materials Science and Engineering*, **2018**, 414, 012019	0.4	5
43	Development of antibacterial fibers and study on effect of guar-gum addition on properties of carboxymethylcellulose (CMC)/alginate fibers. *IOP Conference Series: Materials Science and Engineering*, **2018**, 414, 012020	0.4	5
42	Response Surface Modeling of Physical and Mechanical Properties of Cotton Slub Yarns. *Autex Research Journal*, **2018**, 18, 173-180	1	4
41	Development and performance optimization of polyurethane-based multifunctional coatings using Taguchi method. *Journal of Industrial Textiles*, **2018**, 48, 521-535	1.6	4
40	Effect of percentage of short fibers removed from cotton during spinning on the properties of dyed polyester/cotton-blended knitted fabrics. *Journal of the Textile Institute*, **2011**, 102, 70-76	1.5	4
39	A knowledge-based expert system for dyeing of cotton. Part 2: Testing and evaluation. *Coloration Technology*, **2005**, 121, 59-63	2	4
38	Optimization of Dye Extraction Conditions from (Camellia sinensis) Green Tea Leaves Using Response Surface Methodology. *Asian Journal of Chemistry*, **2015**, 27, 4111-4114	0.4	4
37	Hard Water and Dyeing Properties: Effect of Pre- and Post-Mordanting on Dyeing Using Eucalyptus globulus and Curcuma longa Extracts. *Polish Journal of Environmental Studies*, **2017**, 26, 747-753	2.3	4
36	Mechanical Response of Novel 3D Woven Flax Composites with Variation in Z Yarn Binding. *Journal of Natural Fibers*, **2020**, 17, 890-905	1.8	4
35	Development of functional alginate fibers for medical applications. *Journal of the Textile Institute*, **2017**, 108, 2197-2204	1.5	3
34	Effect of sewing parameters and wash type on the dimensional stability of knitted garments. *Autex Research Journal*, **2013**, 13, 89-94	1	3
33	Effect of dielectric and magnetic nanofillers on electromagnetic interference shielding effectiveness of carbon/epoxy composites. *Journal of Composite Materials*,002199832110526	2.7	3
32	Cationization of TiO2 nanoparticles to develop highly durable multifunctional cotton fabric. *Materials Chemistry and Physics*, **2022**, 278, 125573	4.4	3
31	A Multi-Criteria Decision-Making Approach for Woven Fabric Selection and Grading for Ladies Summer Apparel. *Journal of Natural Fibers*, **2019**, 1-10	1.8	3
30	Influence of Yarn Count and Cover Factor on Mechanical, Comfort, Aesthetic and Hand Properties of Ladies Summer Apparel Fabrics. *Journal of Natural Fibers*, **2019**, 1-12	1.8	3
29	Investigation of Thermo-Physiological Comfort and Mechanical Properties of Fine Cotton Fabrics for Ladies Summer Apparel. *Journal of Natural Fibers*, **2020**, 17, 1619-1629	1.8	3
28	Optimization of discharge printing of indigo denim using potassium permanganate via response surface regression. *Pigment and Resin Technology*, **2018**, 47, 228-235	1	2
27	Optimization of the color fastness and mechanical properties of pigment dyed PC fabric. *Pigment and Resin Technology*, **2018**, 47, 396-405	1	2

26	Selection of yarn for the predefined tensile strength of cotton woven fabrics. *Fibers and Polymers*, **2011**, 12, 281-287	2	2
25	Electrospun biomimetic polymer nanofibers as vascular grafts. *Material Design and Processing Communications*, **2020**, e203	0.9	2
24	An Investigation Into the Effect of Different Parameters on the Dyeing of High-Performance M-Aramid Fiber and Its Optimization. *Clothing and Textiles Research Journal*, **2020**, 38, 90-103	0.7	2
23	Improving Thermo-Physiological Comfort of Polyester/Cotton Knits by Caustic and Cellulases Treatments. *Autex Research Journal*, **2014**, 14, 200-204	1	1
22	Determining the Light Transmission of Woven Fabrics through Different Measurement Methods and Its Correlation with Air Permeability. *Journal of Engineered Fibers and Fabrics*, **2014**, 9, 155892501400900	0.9	1
21	Statistical Model for Predicting Compressed Air Consumption on Air-Jet Looms. *Journal of Engineered Fibers and Fabrics*, **2014**, 9, 155892501400900	0.9	1
20	Impact of Carding Parameters and Draw Frame Doubling on the Properties of Ring Spun Yarn. *Journal of Engineered Fibers and Fabrics*, **2013**, 8, 155892501300800	0.9	1
19	Predicting tensile strength of yarns required for producing PET/Cotton blended woven fabrics of a pre-defined tensile strength. *Fibers and Polymers*, **2010**, 11, 487-493	2	1
18	Nanofibrous drug delivery systems for breast cancer: a review. *Nanotechnology*, **2021**,	3.4	1
17	Comparison of UV protection properties of cotton fabrics treated with aqueous and methanolic extracts of Solanum nigrum and Amaranthus viridis plants. *Photodermatology Photoimmunology and Photomedicine*, **2019**, 35, 93-99	2.4	1
16	Influence and comparison of emerging techniques of yarn manufacturing on physicalmechanical properties of polyester-/cotton-blended yarns and their woven fabrics. *Journal of the Textile Institute*, **2020**, 111, 555-564	1.5	1
15	Modified cylindrical collectors for improved orientation of electrospun nanofibers. *Polymer Bulletin* , **2021**, 78, 849-862	2.4	1
14	Oriented electrospun nanofibers on stand-alone multi-segmented cylindrical collectors. *Journal of the Textile Institute*, **2021**, 112, 955-964	1.5	1
13	Antimicrobial textiles for skin and wound infection management **2021**, 313-347		1
12	Silver-containing polysaccharide-based tricomponent antibacterial fibres for wound care applications. *Journal of Wound Care*, **2021**, 30, 81-88	2.2	1
11	Development and Characterization of Knitted Fabrics for Better Sensorial Comfort Properties in Sportswear by Using Grey Rational Analysis. *Journal of Natural Fibers*,1-15	1.8	1
10	Eco-Friendly garment processing using aerosol technology. *Water Resources and Industry*, **2020**, 23, 100127	4.5	0
9	Silver sulfadiazine loaded nanofibers for burn infections. *International Journal of Polymeric Materials and Polymeric Biomaterials*,1-7	3	0

8	Advanced Oxidative Removal of C.I. Food Red 17 Dye from an Aqueous Solution. *Pakistan Journal of Nutrition*, **2014**, 13, 631-634	0.3	0
7	Development of zinc, silver, and hyaluronic acid mediated wet spun alginate fibers for potential wound care applications. *Journal of Industrial Textiles*,152808372210906	1.6	0
6	Effect of Different Dielectric and Magnetic Nanoparticles on the Electrical, Mechanical, and Thermal Properties of Unidirectional Carbon Fiber-Reinforced Composites. *International Journal of Polymer Science*, **2022**, 2022, 1-13	2.4	0
5	Effect of Elastane Parameters on the Dimensional and Mechanical Properties of Stretchable Denim Fabrics. *Clothing and Textiles Research Journal*, **2020**, 0887302X2096881	0.7	
4	Preparation of stable dispersion of ZnO nanorods and its application on cotton fabric for functional properties. *IOP Conference Series: Materials Science and Engineering*, **2017**, 254, 102003	0.4	
3	Efficient optimization and mineralization of UV absorbers: A comparative investigation with Fenton and UV/H2O2. *Open Chemistry*, **2018**, 16, 702-708	1.6	
2	Natural plant extract-treated bioactive textiles for wound healing **2022**, 137-166		
1	Biomaterials for medical and healthcare products **2022**, 43-86		