

Maryam Naebe

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,086
citations

279487

23
h-index

264894

42
g-index

66
all docs

66
docs citations

66
times ranked

1721
citing authors

#	ARTICLE	IF	CITATIONS
1	Textile strain sensors: a review of the fabrication technologies, performance evaluation and applications. <i>Materials Horizons</i> , 2019, 6, 219-249.	6.4	289
2	Cleaner dyeing of textiles using plasma treatment and natural dyes: A review. <i>Journal of Cleaner Production</i> , 2020, 265, 121866.	4.6	203
3	Lignin: A Review on Structure, Properties, and Applications as a Light-Colored UV Absorber. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1427-1442.	3.2	176
4	Advanced Functional Fibrous Materials for Enhanced Thermoregulating Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13039-13057.	4.0	128
5	Plant-Based Natural Fibre Reinforced Composites: A Review on Fabrication, Properties and Applications. <i>Coatings</i> , 2020, 10, 973.	1.2	104
6	Lemongrass (<i>Cymbopogon</i>): a review on its structure, properties, applications and recent developments. <i>Cellulose</i> , 2018, 25, 5455-5477.	2.4	71
7	Plasma-Assisted Antimicrobial Finishing of Textiles: A Review. <i>Engineering</i> , 2022, 12, 145-163.	3.2	45
8	The effect of humidity and temperature on Wool ComfortMeter assessment of single jersey wool fabrics. <i>Textile Research Journal</i> , 2013, 83, 83-89.	1.1	40
9	Transparent Ultraviolet (UV)-Shielding Films Made from Waste Hemp Hurd and Polyvinyl Alcohol (PVA). <i>Polymers</i> , 2020, 12, 1190.	2.0	39
10	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
11	Kinetics and equilibrium adsorption of methylene blue onto cotton gin trash bioadsorbents. <i>Cellulose</i> , 2020, 27, 6485-6504.	2.4	37
12	Investigation of chitosan adsorption onto cotton fabric with atmospheric helium/oxygen plasma pre-treatment. <i>Cellulose</i> , 2016, 23, 2129-2142.	2.4	36
13	A Review on the Production Methods and Applications of Graphene-Based Materials. <i>Nanomaterials</i> , 2021, 11, 2414.	1.9	34
14	Physicochemical properties of film fabricated from cotton gin trash. <i>Materials Chemistry and Physics</i> , 2020, 239, 122009.	2.0	32
15	Effect of Atmospheric Plasma Treatment on Pad-dyeing of Natural Dyes on Wool. <i>Journal of Fiber Bioengineering and Informatics</i> , 2011, 4, 267-276.	0.2	32
16	Recent Advances in Cellulose Nanofibers Preparation through Energy-Efficient Approaches: A Review. <i>Energies</i> , 2021, 14, 6792.	1.6	32
17	Fabrication of a cost-effective lemongrass (<i>Cymbopogon citratus</i>) membrane with antibacterial activity for dye removal. <i>RSC Advances</i> , 2019, 9, 34076-34085.	1.7	31
18	Use of low-level plasma for enhancing the shrink resistance of wool fabric treated with a silicone polymer. <i>Journal of the Textile Institute</i> , 2011, 102, 948-956.	1.0	29

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19	Preparation and characterisation of mechanically milled particles from waste alpaca fibres. Powder Technology, 2019, 342, 848-855.	2.1	29
20	Adsorption of anionic Acid Blue 25 on chitosan-modified cotton gin trash film. Cellulose, 2020, 27, 9437-9456.	2.4	29
21	Sustainable Lightweight Insulation Materials from Textile-Based Waste for the Automobile Industry. Materials, 2021, 14, 1241.	1.3	28
22	Ageing effect of plasma-treated wool. Journal of the Textile Institute, 2011, 102, 1086-1093.	1.0	24
23	Relationship between wearer prickle response with fibre and garment properties and Wool ComfortMeter assessment. Journal of the Textile Institute, 2013, 104, 618-627.	1.0	24
24	Effect of fibre, yarn and knitted fabric attributes associated with wool comfort properties. Journal of the Textile Institute, 2013, 104, 606-617.	1.0	23
25	Flexible water-resistant semi-transparent cotton gin trash/poly (vinyl alcohol) bio-plastic for packaging application: Effect of plasticisers on physicochemical properties. Journal of Cleaner Production, 2021, 303, 126983.	4.6	23
26	Effect of surface treatment and knit structure on comfort properties of wool fabrics. Journal of the Textile Institute, 2013, 104, 600-605.	1.0	21
27	A review on lignocellulose/poly (vinyl alcohol) composites: cleaner approaches for greener materials. Cellulose, 2021, 28, 10741-10764.	2.4	21
28	Biodegradable cotton gin trash/poly(vinyl alcohol) composite plastic: Effect of particle size on physicochemical properties. Powder Technology, 2020, 375, 1-10.	2.1	20
29	Mechanically milled powder from cotton gin trash for diverse applications. Powder Technology, 2020, 361, 679-686.	2.1	19
30	Impact of the wet spinning parameters on the alpaca-based polyacrylonitrile composite fibers: Morphology and enhanced mechanical properties study. Journal of Applied Polymer Science, 2020, 137, 49264.	1.3	19
31	Moisture transfer properties of bifacial fabrics. Textile Research Journal, 2017, 87, 1096-1106.	1.1	18
32	Comfort properties of superfine wool and wool/cashmere blend yarns and fabrics. Journal of the Textile Institute, 2013, 104, 634-640.	1.0	17
33	Graphene oxide incorporated waste wool/PAN hybrid fibres. Scientific Reports, 2021, 11, 12068.	1.6	17
34	The effect of plasma treatment and loop length on the handle of lightweight jersey fabrics as assessed by the Wool HandleMeter. Textile Research Journal, 2015, 85, 1190-1197.	1.1	16
35	Investigation on structure and characteristics of alpaca-based wet-spun polyacrylonitrile composite fibers by utilizing natural textile waste. Journal of Applied Polymer Science, 2020, 137, 48370.	1.3	16
36	Utilisation of natural wastes: Water-resistant semi-transparent paper for food packaging. Journal of Cleaner Production, 2022, 364, 132665.	4.6	16

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37	Relationships between wearer assessment and the instrumental measurement of the handle and prickle of knitted wool fabrics. <i>Textile Research Journal</i> , 2015, 85, 1140-1152.	1.1	15
38	A review on cotton gin trash: Sustainable commodity for material fabrication. <i>Journal of Cleaner Production</i> , 2021, 281, 125300.	4.6	15
39	Predicting comfort properties of knitted fabrics by assessing yarns with the Wool ComfortMeter. <i>Journal of the Textile Institute</i> , 2013, 104, 628-633.	1.0	13
40	Fabric handle properties of superfine wool fabrics with different fibre curvature, cashmere content and knitting tightness. <i>Journal of the Textile Institute</i> , 2016, 107, 562-577.	1.0	13
41	Lignin-Cellulose Nanocrystals from Hemp Hurd as Light-Coloured Ultraviolet (UV) Functional Filler for Enhanced Performance of Polyvinyl Alcohol Nanocomposite Films. <i>Nanomaterials</i> , 2021, 11, 3425.	1.9	13
42	Determination of the porosity in a bifacial fabric using micro-computed tomography and three-dimensional reconstruction. <i>Textile Research Journal</i> , 2018, 88, 1263-1277.	1.1	12
43	Sorption properties of fabricated film from cotton gin trash. <i>Materials Today: Proceedings</i> , 2020, 31, S221-S226.	0.9	12
44	Electrically conductive honeycomb structured graphene composites from natural protein fibre waste. <i>Materials Letters</i> , 2020, 264, 127311.	1.3	11
45	Assessment of performance properties of wetsuits. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2013, 227, 255-264.	0.4	10
46	Directional Trans-Planar and Different In-Plane Water Transfer Properties of Composite Structured Bifacial Fabrics Modified by a Facile Three-Step Plasma Treatment. <i>Coatings</i> , 2017, 7, 132.	1.2	10
47	Associations between the physiological basis of fabric-evoked prickle, fiber and yarn characteristics and the Wool ComfortMeter value. <i>Textile Research Journal</i> , 2015, 85, 1122-1130.	1.1	9
48	The effect of plasma treatment and tightness factor on the low-stress mechanical properties of single jersey knitted wool fabrics. <i>Textile Research Journal</i> , 2018, 88, 499-509.	1.1	9
49	Determination of model parameters for predicting handle characteristics of wool-rich suiting woven fabrics based on the Wool HandleMeter and KES-F. <i>Journal of the Textile Institute</i> , 2018, 109, 147-159.	1.0	9
50	A Facile Approach of Fabricating Electrically Conductive Knitted Fabrics Using Graphene Oxide and Textile-Based Waste Material. <i>Polymers</i> , 2021, 13, 3003.	2.0	8
51	Sustainable biodegradable denim waste composites for potential single-use packaging. <i>Science of the Total Environment</i> , 2022, 809, 152239.	3.9	8
52	Comparative Preparation Method and Associated Cost of Lignin-Cellulose Nanocrystals. <i>Nanomaterials</i> , 2022, 12, 1320.	1.9	8
53	Thermally stable micro-sized silica-modified wool powder from one-step alkaline treatment. <i>Powder Technology</i> , 2022, 404, 117517.	2.1	7
54	Effects of variation in wool fiber curvature and yarn hairiness on sensorial assessment of knitted fabrics. <i>Textile Research Journal</i> , 2015, 85, 1153-1166.	1.1	6

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55	Thermal comfort properties of bifacial fabrics. Textile Reseach Journal, 2019, 89, 43-51.	1.1	6
56	Heat transfer properties of bifacial fabrics. Textile Reseach Journal, 2017, 87, 2307-2313.	1.1	5
57	Mechanical properties of bifacial fabrics. Textile Reseach Journal, 2018, 88, 1335-1344.	1.1	5
58	Relationships between sleeve trial and wearer trial assessment of discomfort and objective measurements. Textile Reseach Journal, 2015, 85, 272-280.	1.1	4
59	Investigation of Heat Transfer Properties of Plasma-Treated and Silicone-Elastomer Coated Basalt Fabric. Coatings, 2019, 9, 292.	1.2	3
60	Effect of yarn winding tension on the Wool ComfortMeter value when testing yarns. Textile Reseach Journal, 2015, 85, 1198-1206.	1.1	2
61	The use of micro-computed tomography to determine the fabric cross-sectional area and stress. Journal of the Textile Institute, 2019, 110, 1459-1467.	1.0	2
62	Prickle discomfort assessment of commercial knitted wool garments. International Journal of Clothing Science and Technology, 2018, 30, 73-81.	0.5	1