

Hossein Hasani

List of Publications by Year in descending order

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papers

610
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623734

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#	ARTICLE	IF	CITATIONS
1	Thermoset composites reinforced by innovative 3D spacer weft-knitted fabrics with different cross-section profiles: Materials and manufacturing process. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 91, 65-76.	7.6	40
2	A Review on Milkweed Fiber Properties as a High-Potential Raw Material in Textile Applications. <i>Journal of Industrial Textiles</i> , 2017, 46, 1412-1436.	2.4	38
3	Biaxial weft-knitted fabrics as composite reinforcements: A review. <i>Journal of Industrial Textiles</i> , 2017, 46, 1439-1473.	2.4	33
4	Numerical simulating the flexural properties of 3D weft-knitted spacer fabric reinforced composites. <i>Journal of Composite Materials</i> , 2017, 51, 1887-1899.	2.4	32
5	Effect of alkali treatment on mechanical properties of the green composites reinforced with milkweed fibers. <i>Journal of the Textile Institute</i> , 2018, 109, 24-31.	1.9	25
6	Mechanical characterization of innovative 3D multi-cell thermoset composites produced with weft-knitted spacer fabrics. <i>Composite Structures</i> , 2018, 184, 935-949.	5.8	25
7	Structural relationships and optimization of resin-finishing parameters using the Taguchi approach. <i>Cellulose</i> , 2018, 25, 6175-6190.	4.9	25
8	Analysis and prediction of the noise reduction coefficient of lightly-needed Estabragh/polypropylene nonwovens using simplex lattice design. <i>Journal of the Textile Institute</i> , 2014, 105, 256-263.	1.9	24
9	Numerical simulating the tensile behavior of 1 \bar{A} –1 rib knitted fabrics using a novel geometrical model. <i>Fibers and Polymers</i> , 2016, 17, 795-800.	2.1	24
10	Prediction of deformation behavior of interlock knitted fabrics in different directions using FEM method. <i>Journal of the Textile Institute</i> , 2018, 109, 1-7.	1.9	22
11	Experimental and computational analysis of acoustic characteristics of warp-knitted spacer fabrics. <i>Journal of the Textile Institute</i> , 2020, 111, 491-498.	1.9	22
12	Low Velocity Impact Behavior of 3D Hollow Core Sandwich Composites Produced with Flat-Knitted Spacer Fabrics. <i>Fibers and Polymers</i> , 2018, 19, 2581-2589.	2.1	19
13	An investigation into sound transmission loss by polypropylene needle-punched nonwovens. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 907-914.	6.4	18
14	Compression load-carrying capacity of 3D-integrated weft-knitted spacer composites. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 1379-1405.	3.5	18
15	Flexural behavior of composites reinforced with innovative 3D integrated weft-knitted spacer fabrics. <i>Journal of Industrial Textiles</i> , 2018, 48, 58-76.	2.4	17
16	Investigation of the thermal comfort properties of knitted fabric produced from Estabragh (Milkweed)/cotton-blended yarns. <i>Journal of the Textile Institute</i> , 2015, 106, 47-56.	1.9	16
17	Application of airjet nozzle in short staple Siro spinning system. <i>Journal of the Textile Institute</i> , 2011, 102, 14-18.	1.9	15
18	A mathematical model to compare the handle of PLA and PET knitted fabrics after different finishing steps. <i>Fibers and Polymers</i> , 2011, 12, 405-413.	2.1	15

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19	Experimental and numerical study on stiffness and damage of glass/epoxy biaxial weft-knitted reinforced composites. <i>Journal of Reinforced Plastics and Composites</i> , 2021, 40, 70-83.	3.1	15
20	Multi-Scale Modeling the Mechanical Properties of Biaxial Weft Knitted Fabrics for Composite Applications. <i>Applied Composite Materials</i> , 2017, 24, 863-878.	2.5	13
21	Multi-Scaled Modeling the Mechanical Properties of Tubular Composites Reinforced with Innovated 3D Weft Knitted Spacer Fabrics. <i>Applied Composite Materials</i> , 2018, 25, 145-161.	2.5	12
22	Finite Element Modeling of the Compression Garments Structural Effect on the Pressure Applied to Leg. <i>Fibers and Polymers</i> , 2020, 21, 636-645.	2.1	11
23	Analyzing the effect of yarn and fabrics parameters on electromagnetic shielding of metalized fabrics coated with polyaniline. <i>Journal of Industrial Textiles</i> , 2014, 44, 434-446.	2.4	10
24	The effect of core geometry on flexural stiffness and transverse shear rigidity of weight-wise identical corrugated core sandwich panels reinforced with 3D flat spacer knitted fabric. <i>Polymer Composites</i> , 2020, 41, 3638-3648.	4.6	10
25	Investigation into energy absorption capacity of composites reinforced by three-dimensional-weft knitted fabrics. <i>Journal of Industrial Textiles</i> , 2014, 43, 536-548.	2.4	9
26	Optimizing the physical properties of elastic-woven fabrics using Grey Taguchi method. <i>Journal of the Textile Institute</i> , 2015, 106, 814-822.	1.9	9
27	Investigation of flexural behavior of 3D textile reinforced concrete using both experimental tests and finite element method. <i>Journal of Sandwich Structures and Materials</i> , 2018, 20, 578-594.	3.5	9
28	Finite element modelling the mechanical performance of pressure garments produced from elastic weft knitted fabrics. <i>Journal of the Textile Institute</i> , 2019, 110, 724-731.	1.9	9
29	Modeling the functional compression properties of hand-knotted carpets using factorial design and response surface methodology. <i>Fibers and Polymers</i> , 2014, 15, 1977-1984.	2.1	8
30	Simulation of the spherical deformation of biaxial weft-knitted fabrics using meso and macro models. <i>Fibers and Polymers</i> , 2016, 17, 1702-1708.	2.1	8
31	Mechanical performance of tubular composites reinforced by innovative 3D integrated knitted spacer fabrics. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46074.	2.6	7
32	Investigating the effects of material and process variables on the mechanical properties of low-density thermally bonded nonwovens produced from Estabragh (milkweed) natural fibers. <i>Journal of Industrial Textiles</i> , 2016, 46, 719-736.	2.4	6
33	Removal of heavy metal ions (Pb^{2+} and Ni^{2+}) from aqueous solution using nonwovens produced from lignocellulosic milkweed fibers. <i>Journal of Industrial Textiles</i> , 2021, 51, 695-713.	2.4	6
34	Free vibration analysis of integrated and non-integrated corrugated core sandwich panels reinforced with weft-knitted fabrics. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 1571-1593.	3.5	6
35	Development and auxetic characterization of 3D composites produced with newly-designed multi-cell flat-knitted spacer fabrics. <i>Journal of Industrial Textiles</i> , 2022, 51, 2010S-2025S.	2.4	5
36	Modeling the compliance of polyurethane nanofiber tubes for artificial common bile duct. <i>Materials Research Express</i> , 2018, 5, 025004.	1.6	4

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37	Analysis of Blend Irregularities and Fiber Migration Index of Wool/Acrylic Blended Worsted Yarns by Using an Image-analysis Technique. <i>Journal of the Textile Institute</i> , 2003, 94, 177-185.	1.9	3
38	Modelling and Predicting the Breaking Strength and Mass Irregularity of Cotton Rotor-Spun Yarns Containing Cotton Fiber Recovered from Ginning Process by Using Artificial Neural Network Algorithm. <i>Modelling and Simulation in Engineering</i> , 2011, 2011, 1-8.	0.7	3
39	An Investigation into Acoustic Properties of Lightly Needled Estabragh Nonwovens Using the Taguchi Method. <i>Journal of Engineered Fibers and Fabrics</i> , 2014, 9, 155892501400900.	1.0	3
40	Analytical studies on woven fabrics's bagging performance affected by the material, yarn, and fabric parameters. <i>Journal of the Textile Institute</i> , 2017, 108, 703-711.	1.9	3
41	The effect of electrospinning parameters on the compliance behavior of electrospun polyurethane tube for artificial common bile duct. <i>Polymer Science - Series A</i> , 2017, 59, 67-75.	1.0	3
42	Effect of profile and reinforcing the surface layers on bending behavior of 3D multi-cell spacer weft-knitted composites. <i>Journal of Industrial Textiles</i> , 2022, 51, 1059-1083.	2.4	3
43	Simulation of Temperature Distribution Within Weft-Knitted Fabrics in Extended State. <i>Clothing and Textiles Research Journal</i> , 2019, 37, 297-312.	3.4	2
44	Implementation of multiscale modeling and failure mechanism in investigating load bearing capacity of 3D integrated multi-cellular knitted composites. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 5993-6010.	2.6	2
45	Determination of corrugated core sandwich panels elastic constant based on three different experimental methods and effect of structural integrity on flexural properties. <i>SN Applied Sciences</i> , 2021, 3, 1.	2.9	1
46	Investigation into the effect of fabric structure on surface temperature distribution in weft-knitted fabrics using thermal imaging technique. <i>Thermal Science</i> , 2020, 24, 1991-1998.	1.1	1
47	Comparison of solo and conventional ring yarns: effects on the compression characteristics of cut-pile carpets. <i>Journal of the Textile Institute</i> , 2023, 114, 523-529.	1.9	1
48	Process development and compression behavior of innovative 3D bi-directional flat-knitted spacer-reinforced composites. <i>Journal of Industrial Textiles</i> , 0, , 152808372199277.	2.4	0
49	Investigation the influence of spacer yarns orientation angle on the thermal behavior of 3D textile reinforced concrete (TRC). <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 0, , 095440622110473.	2.1	0