

Akbar Khoddami

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

770
citations

566801

15
h-index

525886

27
g-index

35
all docs

35
docs citations

35
times ranked

825
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of Poly(lactic acid) (PLA) Fibre. <i>Fibre Chemistry</i> , 2009, 41, 391-401.	0.0	131
2	Overview of Poly(lactic acid) (PLA) fibre. <i>Fibre Chemistry</i> , 2010, 42, 68-78.	0.0	126
3	Alkaline hydrolysis: A facile method to manufacture superhydrophobic polyester fabric by fluorocarbon coating. <i>Progress in Organic Coatings</i> , 2011, 72, 638-646.	1.9	55
4	Improvement in poly(lactic acid) fabric performance via hydrophilic coating. <i>Progress in Organic Coatings</i> , 2011, 72, 299-304.	1.9	38
5	Synthesis and performance evaluation of the aerogel-filled PET nanofiber assemblies prepared by electro-spinning. <i>RSC Advances</i> , 2015, 5, 12830-12842.	1.7	33
6	Effect of hollow polyester fibres on mechanical properties of knitted wool/polyester fabrics. <i>Fibers and Polymers</i> , 2009, 10, 452-460.	1.1	32
7	Immobilization of silk fibroin on the surface of <scp>PCL</scp> nanofibrous scaffolds for tissue engineering applications. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46684.	1.3	29
8	A novel eco-friendly colorant and dyeing method for poly(ethylene terephthalate) substrate. <i>Fibers and Polymers</i> , 2014, 15, 261-272.	1.1	27
9	A novel durable hydrophobic surface coating of poly(lactic acid) fabric by pulsed plasma polymerization. <i>Progress in Organic Coatings</i> , 2010, 67, 311-316.	1.9	26
10	Polyester hydrophobicity enhancement via UV-Ozone irradiation, chemical pre-treatment and fluorocarbon finishing combination. <i>Progress in Organic Coatings</i> , 2016, 101, 51-58.	1.9	23
11	The effect of the nano-structured aerogel powder on the structural parameters, water repellency, and water vapor/air permeability of a fibrous polyester material. <i>Materials Chemistry and Physics</i> , 2016, 177, 99-111.	2.0	21
12	A new technique to prepare a hydrophobic and thermal insulating polyester woven fabric using electro-spraying of nano-porous silica powder. <i>Surface and Coatings Technology</i> , 2019, 366, 97-105.	2.2	21
13	Improvement in hydrophobicity of polyester fabric finished with fluorochemicals via aminolysis and comparing with nano-silica particles. <i>Colloid and Polymer Science</i> , 2011, 289, 1035-1044.	1.0	20
14	Recycling of waste silk fibers towards silk fibroin fibers with different structures through wet spinning technique. <i>Journal of Cleaner Production</i> , 2019, 236, 117653.	4.6	20
15	Effect of wool surface modification on fluorocarbon chain re-orientation. <i>Fibers and Polymers</i> , 2012, 13, 28-37.	1.1	17
16	Improvement in fastness properties of phase-change material applied on surface modified wool fabrics. <i>Fibers and Polymers</i> , 2010, 11, 1170-1180.	1.1	16
17	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.	1.1	15
18	Innovative hybrid fluorocarbon coating on UV/ozone surface modified wool substrate. <i>Fibers and Polymers</i> , 2015, 16, 2416-2425.	1.1	14

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19	Novel superhydrophobic top coating on surface modified PVC-coated fabric. <i>Progress in Organic Coatings</i> , 2013, 76, 821-826.	1.9	13
20	Effects of finishing on the mechanical and thermal properties of fabrics from wool and hollow polyester fibres. <i>Textile Research Journal</i> , 2011, 81, 2006-2016.	1.1	11
21	Cyclodextrin-coated denim fabrics as novel carriers for ingredient deliveries to the skin. <i>Carbohydrate Polymers</i> , 2014, 110, 513-517.	5.1	11
22	Thermal conductivity enhancement of shape-stabilized phase change nanocomposites via synergistic effects of electrospun carbon nanofiber and reduced graphite oxide nanoparticles. <i>Journal of Energy Storage</i> , 2022, 51, 104521.	3.9	11
23	Simultaneous application of silver nanoparticles with different crease resistant finishes. <i>Fibers and Polymers</i> , 2011, 12, 635-641.	1.1	9
24	Sustainable, Renewable, and Biodegradable Poly(Lactic Acid) Fibers and Their Latest Developments in the Last Decade. <i>Sustainable Textiles</i> , 2020, , 173-194.	0.4	7
25	Lightweight and Highly Flexible Metal Deposited Composite Fabrics for High-performance Electromagnetic Interference Shielding at Gigahertz Frequency. <i>Fibers and Polymers</i> , 2022, 23, 800-806.	1.1	7
26	Protein-based nanoformulations for Î±-tocopherol encapsulation. <i>Engineering in Life Sciences</i> , 2017, 17, 523-527.	2.0	6
27	Brønsted acidic ionic liquids: Innovative starch desizing agents. <i>Carbohydrate Polymers</i> , 2017, 157, 468-475.	5.1	6
28	Modifying the surface of poly(ethylene terephthalate) nanofibrous materials by alkaline treatment and TiO ₂ nanoparticles. <i>Journal of Industrial Textiles</i> , 2018, 47, 1944-1958.	1.1	6
29	The influence of silica aerogels on physical, mechanical, and morphological properties of melt-spun POY and DTY polyester yarns. <i>Polymer Testing</i> , 2022, 112, 107628.	2.3	6
30	The Influence of Enzymatic Hydrolysis of Cellulosic Substrates on the Final Quality of Coated Fabrics. <i>Journal of Industrial Textiles</i> , 2001, 30, 211-221.	1.1	4
31	Investigating the Effects of Different Repellent Agents on the Performance of Novel Polyester/Wool Blended Fabrics. <i>Journal of Engineered Fibers and Fabrics</i> , 2015, 10, 155892501501000.	0.5	3
32	Hydrophobicity of fluorocarbon-finished electrospun poly (acrylonitrile) nanofibrous webs. <i>Journal of the Textile Institute</i> , 0, , 1-9.	1.0	3
33	The effect of a novel booster (bisulfate adduct of polyisocyanate) on fluorocarbon chain re-orientation and substrate properties: Synthesis and finishing. <i>Progress in Organic Coatings</i> , 2015, 78, 261-264.	1.9	2
34	An innovative method for improving dyeing yield of the cellulosic substrate using additives in NaOH-water eutectic mixture. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 561-571.	3.6	1