

Nabil A Ibrahim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95
papers

1,773
citations

25
h-index

37
g-index

95
ext. papers

2,020
ext. citations

5
avg, IF

5.17
L-index

#	Paper	IF	Citations
95	Fabrication, characterization, and potential application of modified sawdust sorbents for efficient removal of heavy metal ions and anionic dye from aqueous solutions. <i>Journal of Cleaner Production</i> , 2022 , 332, 130021	10.3	2
94	Durable surface functionalisation and pigment coloration of cellulosic fabrics using bioactive additives. <i>Coloration Technology</i> , 2021 , 137, 645	2	1
93	Recent developments in sustainable finishing of cellulosic textiles employing biotechnology. <i>Journal of Cleaner Production</i> , 2021 , 284, 124701	10.3	18
92	Sustainable textile finishing processes and pollution control based on enzyme technology 2021 , 385-415		
91	The potential use of nanotechnology for antimicrobial functionalization of cellulose-containing fabrics 2021 , 429-451		0
90	Screening Fungal Endophytes Derived from Under-Explored Egyptian Marine Habitats for Antimicrobial and Antioxidant Properties in Factionalised Textiles. <i>Microorganisms</i> , 2020 , 8,	4.9	4
89	Multipurpose Treatment of Cellulose-Containing Fabrics to Impart Durable Antibacterial and Repellent Properties. <i>Fibers and Polymers</i> , 2020 , 21, 513-521	2	14
88	Sustainable colorants for protective textiles 2020 , 569-629		2
87	Polyfunctional cotton cellulose fabric using proper biopolymers and active ingredients. <i>Journal of the Textile Institute</i> , 2020 , 111, 381-393	1.5	7
86	Environmentally benign Scouring of Cotton Knits Using Locally Produced Acid Pectinase Enzyme. <i>Fibers and Polymers</i> , 2019 , 20, 787-793	2	8
85	Environmentally sound approach for imparting antibacterial and UV-protection functionalities to linen cellulose using ascorbic acid. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 88-96	7.9	10
84	Environmentally Sound Dyeing of Cellulose-Based Textiles 2019 , 79-99		2
83	Functional Finishes for Cotton-Based Textiles: Current Situation and Future Trends 2019 , 131-190		10
82	Thermodynamics characterization and potential textile applications of <i>Trichoderma longibrachiatum</i> KT693225 xylanase. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018 , 14, 129-137	4.2	20
81	A new approach for durable multifunctional coating of PET fabric. <i>Applied Surface Science</i> , 2018 , 448, 95-103	6.7	30
80	Green options for imparting antibacterial functionality to cotton fabrics. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 526-533	7.9	28
79	Green surface modification and nano-multifunctionalization of denim fabric. <i>Cellulose</i> , 2018 , 25, 6207-6220	7.9	18

78	Polysaccharide-Based Polymer Gels and Their Potential Applications. <i>Gels Horizons: From Science To Smart Materials</i> , 2018 , 97-126		7
77	Nano-structured metal oxides: synthesis, characterization and application for multifunctional cotton fabric. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2018 , 9, 035014	1.6	21
76	Green Approach for Multifunctionalization of Cellulose-Containing Fabrics. <i>Fibers and Polymers</i> , 2018 , 19, 2298-2306	2	24
75	Advanced Materials and Technologies for Antimicrobial Finishing of Cellulosic Textiles 2018 , 301-356		6
74	Application of MCT-CD to Modify Cellulose/Wool Blended Fabrics for Upgrading Their Reactive Printability and Antibacterial Functionality. <i>Fibers and Polymers</i> , 2018 , 19, 1655-1662	2	4
73	An Eco-Friendly Multifunctional Nano-Finishing of Cellulose/Wool Blends. <i>Fibers and Polymers</i> , 2018 , 19, 797-804	2	12
72	Development of functionalized cellulose/wool blended fabrics for high performance textiles. <i>Journal of the Textile Institute</i> , 2017 , 108, 1728-1738	1.5	7
71	Effect of different capping agents on physicochemical and antimicrobial properties of ZnO nanoparticles. <i>Chemical Papers</i> , 2017 , 71, 1365-1375	1.9	40
70	Eco-friendly modification and antibacterial functionalization of viscose fabric. <i>Journal of the Textile Institute</i> , 2017 , 108, 1406-1411	1.5	16
69	Upgrading the functional properties of reactive dyed cotton knits. <i>Journal of the Textile Institute</i> , 2017 , 108, 1634-1642	1.5	4
68	Loading of chitosan - Nano metal oxide hybrids onto cotton/polyester fabrics to impart permanent and effective multifunctions. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 769-776	7.9	54
67	Chitosan -Based Composite Materials: Fabrication and Characterization 2017 , 103-136		1
66	Multifunctional cellulose-containing fabrics using modified finishing formulations. <i>RSC Advances</i> , 2017 , 7, 33219-33230	3.7	47
65	A new approach for imparting durable multifunctional properties to linen-containing fabrics. <i>Carbohydrate Polymers</i> , 2017 , 157, 1085-1093	10.3	29
64	Effect of plasma superficial treatments on antibacterial functionalization and coloration of cellulosic fabrics. <i>Applied Surface Science</i> , 2017 , 392, 1126-1133	6.7	58
63	Biosynthesis, optimization and potential textile application of fungal cellulases/xylanase multifunctional enzyme preparation from <i>Penicillium</i> sp. SAF6. <i>Biocatalysis and Biotransformation</i> , 2016 , 34, 128-136	2.5	12
62	Green synthesis of AuNPs for eco-friendly functionalization of cellulosic substrates. <i>Applied Surface Science</i> , 2016 , 389, 118-125	6.7	55
61	New finishing possibilities for producing durable multifunctional cotton/wool and viscose/wool blended fabrics. <i>Carbohydrate Polymers</i> , 2015 , 119, 182-93	10.3	17

60	Cellulosic/wool pigment prints with remarkable antibacterial functionalities. <i>Carbohydrate Polymers</i> , 2015 , 115, 559-67	10.3	17
59	Nanomaterials for Antibacterial Textiles 2015 , 191-216		16
58	Biosynthesized Silver Nanoparticles for Antibacterial Treatment of Cellulosic Fabrics Using O ₂ -Plasma. <i>AATCC Journal of Research</i> , 2014 , 1, 6-12	1	33
57	Enhanced Antibacterial Properties of Polyester and Polyacrylonitrile Fabrics Using Ag-NP Dispersion/Microwave Treatment. <i>AATCC Journal of Research</i> , 2014 , 1, 13-19	1	6
56	Combined UV-protecting and reactive printing of Cellulosic/wool blends. <i>Carbohydrate Polymers</i> , 2013 , 92, 1386-94	10.3	36
55	Utilization of monochloro-triazine β -cyclodextrin for enhancing printability and functionality of wool. <i>Carbohydrate Polymers</i> , 2013 , 92, 1520-9	10.3	24
54	Multifunctional finishing of cellulosic/polyester blended fabrics. <i>Carbohydrate Polymers</i> , 2013 , 97, 783-93	10.3	49
53	Functional finishes of stretch cotton fabrics. <i>Carbohydrate Polymers</i> , 2013 , 98, 1603-9	10.3	35
52	A smart approach to add antibacterial functionality to cellulosic pigment prints. <i>Carbohydrate Polymers</i> , 2013 , 94, 612-8	10.3	46
51	Smart options for simultaneous functionalization and pigment coloration of cellulosic/wool blends. <i>Carbohydrate Polymers</i> , 2013 , 96, 200-10	10.3	27
50	Combined antimicrobial finishing and pigment printing of cotton/polyester blends. <i>Carbohydrate Polymers</i> , 2013 , 95, 379-88	10.3	43
49	Functionalization of cellulose-containing fabrics by plasma and subsequent metal salt treatments. <i>Carbohydrate Polymers</i> , 2012 , 90, 908-14	10.3	25
48	A novel approach for adding smart functionalities to cellulosic fabrics. <i>Carbohydrate Polymers</i> , 2012 , 87, 744-751	10.3	61
47	Poly(acrylic acid)/poly(ethylene glycol) adduct for attaining multifunctional cellulosic fabrics. <i>Carbohydrate Polymers</i> , 2012 , 89, 648-60	10.3	58
46	A New Approach for Enhancing Dyeing Properties of Jute-Based Textiles. <i>Journal of Natural Fibers</i> , 2011 , 8, 205-239	1.8	3
45	A novel treatment for multifunctional finishing and reactive dyeing of polyamide-6/cotton blend. <i>Journal of the Textile Institute</i> , 2011 , 102, 863-869	1.5	2
44	Improving transfer printing and ultraviolet-blocking properties of polyester-based textiles using MCT- β -CD, chitosan and ethylenediamine. <i>Coloration Technology</i> , 2010 , 126, 330-336	2	15
43	Finishing of Cotton Fabrics with Hyperbranched Poly (ester-amine) to Enhance Their Antibacterial Properties and UV Protection. <i>Polymer-Plastics Technology and Engineering</i> , 2010 , 49, 1297-1304		22

42	Eco-friendly plasma treatment of linen-containing fabrics. <i>Journal of the Textile Institute</i> , 2010 , 101, 1035-1049	3	24
41	An Integrated Approach for the Production of Value-Added and Innovative Jute-Containing Fabrics. <i>Journal of Natural Fibers</i> , 2009 , 6, 56-82	1.8	3
40	UV-protecting and antibacterial finishing of cotton knits. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 3589-3596	2.9	41
39	Enhancing antimicrobial properties of dyed and finished cotton fabrics. <i>Carbohydrate Polymers</i> , 2009 , 78, 502-510	10.3	18
38	An eco-friendly novel approach for attaining wrinkle free/soft-hand cotton fabric. <i>Carbohydrate Polymers</i> , 2009 , 78, 690-703	10.3	63
37	Effective Acid Printing of Protein and Nylon-6 Fabrics Using New Thickening Agents. <i>Polymer-Plastics Technology and Engineering</i> , 2008 , 47, 389-397		7
36	Enhancing Easy Care and Antibacterial Functions of Cellulose / Wool Blends. <i>Journal of Natural Fibers</i> , 2008 , 5, 347-365	1.8	5
35	Improving the Environmental Aspects of Sulphur Dyeing of Cotton Knitted Fabrics. <i>Journal of Natural Fibers</i> , 2008 , 5, 238-250	1.8	7
34	Options for Enhancing Performance Properties of Easy-Care Finished Cellulose/Wool Blended Fabrics. <i>Polymer-Plastics Technology and Engineering</i> , 2008 , 47, 281-292		10
33	UV-Protective Finishing of Cellulose/Wool Blended Fabrics. <i>Polymer-Plastics Technology and Engineering</i> , 2007 , 46, 905-911		16
32	Antimicrobial activity of cotton fabrics containing immobilized enzymes. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 1754-1761	2.9	50
31	Synthesis and characterization of polyacrylic acid/dexy 85 and polyacrylic acid/gum arabic adducts. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 4290-4300	2.9	7
30	New thickening agents for reactive printing of cellulosic fabrics. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 4430-4439	2.9	11
29	The Impact of Nitrogen Plasma Treatment upon the Physical-Chemical and Dyeing Properties of Wool Fabric. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 1123-1132		39
28	Synthesis, Characterization, and Application of Poly(Acrylamide)/Poly(Vinyl Alcohol) Polyblends. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 341-350		4
27	Union Dyeing of Easy Care-Finished Wool/Viscose and Cotton/Wool Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 447-453		2
26	Preparation of a Chemical Polyblend Sizing Agent via Polymerization of Acrylic Acid with Polyvinyl Alcohol. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 309-315		12
25	Enzymatic Treatment of Pigment Prints. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 799-807		2

24	Combined Dyeing and Resin Finishing of Wool/Viscose and Cotton/Wool Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 455-462		5
23	Antibacterial Properties of Ester-Cross-Linked Cellulose-Containing Fabrics Post-Treated with Metal Salts. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 719-727		35
22	Economical and Ecological Biotreatment/Half Bleaching of Cotton-Containing Knit Fabrics on Industrial Scale. <i>Polymer-Plastics Technology and Engineering</i> , 2005 , 44, 881-899		12
21	Eco-Friendly Sulfur Dyeing of Cellulosic Woven Fabrics. <i>Polymer-Plastics Technology and Engineering</i> , 2005 , 44, 1059-1078		2
20	New Approach for Easy-Care Finishing of Woolen Fabric. <i>Polymer-Plastics Technology and Engineering</i> , 2005 , 44, 1203-1215		5
19	Proper finishing treatments for sun-protective cotton-containing fabrics. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 1024-1032	2.9	41
18	Synthesis of PEG/TDI/F6 Adducts and Utilization as Water/Oil Repellents and Oily Stain Release Finishes for Cotton Fabric. <i>Polymer-Plastics Technology and Engineering</i> , 2005 , 44, 1189-1201		18
17	New Approach for Improving UV-Protecting Properties of Woven Cotton Fabrics. <i>Polymer-Plastics Technology and Engineering</i> , 2005 , 44, 919-930		12
16	Optimization and Modification of Enzymatic Desizing of Starch-Size. <i>Polymer-Plastics Technology and Engineering</i> , 2004 , 43, 519-538		22
15	Development of new eco-friendly options for cotton wet processing. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 1825-1836	2.9	39
14	Eco-friendly durable press finishing of cellulose-containing fabrics. <i>Journal of Applied Polymer Science</i> , 2002 , 84, 2243-2253	2.9	61
13	Animation of Wood Sawdust for Removing Anionic Dyes from Aqueous Solutions. <i>Polymer-Plastics Technology and Engineering</i> , 1997 , 36, 963-971		25
12	Effect of Size Formulation on Sizability and Desizability of Some Soluble Sizes. <i>Polymer-Plastics Technology and Engineering</i> , 1997 , 36, 105-121		2
11	Preparation and characterization of cellulose/glycidyl methacrylate/acrylic acid cation exchange composites. <i>Acta Polymerica</i> , 1995 , 46, 50-55		5
10	Preparation and characterization of carboxylic cation exchange resins from the reaction of poly(vinyl alcohol) with melamine-formaldehyde and some hydroxy acids. <i>Angewandte Makromolekulare Chemie</i> , 1993 , 210, 7-20		11
9	Optimization of the Desizability of Water-Soluble Sizes. Part VI: Washing-out Trials on CMS-Size. <i>Starch/Staerke</i> , 1991 , 43, 179-182	2.3	3
8	Concurrent Direct Dyeing and Easy-care Finishing of Viscose and Wool/Viscose Blend Fabrics. <i>Journal of the Textile Institute</i> , 1991 , 82, 9-17	1.5	7
7	Polymerization of carboxyl group containing monomers with chemical initiators. Part II. Polymerization of methacrylic acid. <i>Acta Polymerica</i> , 1990 , 41, 59-63		7

6	Polymerization of carboxyl group containing monomers with chemical initiators. Part I. Polymerization of acrylic acid. <i>Acta Polymerica</i> , 1989 , 40, 719-723	7
5	Dependence of soiling and soil release of easy care cotton on factors-controlling the finishing treatment. <i>Angewandte Makromolekulare Chemie</i> , 1985 , 130, 111-124	8
4	Studies of some basic aspects in easy-care cotton finishing, II. Influence of urea pad on free formaldehyde and strength of crosslinked cotton. <i>Angewandte Makromolekulare Chemie</i> , 1979 , 81, 95-107	5
3	Studies of some basic aspects in easy-care cotton finishing, III. Catalysts. <i>Angewandte Makromolekulare Chemie</i> , 1979 , 82, 11-25	6
2	Studies of some basic aspects in easy-care cotton finishing, IV. Effect of acid scavengers on free formaldehyde in and strength of crosslinked cotton. <i>Angewandte Makromolekulare Chemie</i> , 1979 , 82, 27-37	7
1	An eco-friendly facile approach for imparting multifunctional protection properties to cellulose/wool blends. <i>Polymer Bulletin</i> , 1	2.4 1