# Nabil A Ibrahim

List of Publications by Year
in descending order

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|---|---|---|---|
| 92 papers | 2,342 citations | 172207 29 h-index | 264894 42 g-index |
| 95 all docs | 95 docs citations | 95 times ranked | 1314 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An eco-friendly â€“ novel approach for attaining wrinkle â€“ free/soft-hand cotton fabric. Carbohydrate Polymers, 2009, 78, 690-703. | 5.1 | 75 |
| 2 | Effect of plasma superficial treatments on antibacterial functionalization and coloration of cellulosic fabrics. Applied Surface Science, 2017, 392, 1126-1133. | 3.1 | 74 |
| 3 | A novel approach for adding smart functionalities to cellulosic fabrics. Carbohydrate Polymers, 2012, 87, 744-751. | 5.1 | 70 |
| 4 | Poly(acrylic acid)/poly(ethylene glycol) adduct for attaining multifunctional cellulosic fabrics. Carbohydrate Polymers, 2012, 89, 648-660. | 5.1 | 70 |
| 5 | Loading of chitosan â€“ Nano metal oxide hybrids onto cotton/polyester fabrics to impart permanent and effective multifunctions. International Journal of Biological Macromolecules, 2017, 105, 769-776. | 3.6 | 70 |
| 6 | Eco-friendly durable press finishing of cellulose-containing fabrics. Journal of Applied Polymer Science, 2002, 84, 2243-2253. | 1.3 | 68 |
| 7 | Green synthesis of AuNPs for eco-friendly functionalization of cellulosic substrates. Applied Surface Science, 2016, 389, 118-125. | 3.1 | 61 |
| 8 | Multifunctional cellulose-containing fabrics using modified finishing formulations. RSC Advances, 2017, 7, 33219-33230. | 1.7 | 59 |
| 9 | Effect of different capping agents on physicochemical and antimicrobial properties of ZnO nanoparticles. Chemical Papers, 2017, 71, 1365-1375. | 1.0 | 58 |
| 10 | Multifunctional finishing of cellulosic/polyester blended fabrics. Carbohydrate Polymers, 2013, 97, 783-793. | 5.1 | 57 |
| 11 | A smart approach to add antibacterial functionality to cellulosic pigment prints. Carbohydrate Polymers, 2013, 94, 612-618. | 5.1 | 56 |
| 12 | Antimicrobial activity of cotton fabrics containing immobilized enzymes. Journal of Applied Polymer Science, 2007, 104, 1754-1761. | 1.3 | 54 |
| 13 | Combined antimicrobial finishing and pigment printing of cotton/polyester blends. Carbohydrate Polymers, 2013, 95, 379-388. | 5.1 | 54 |
| 14 | Proper finishing treatments for sun-protective cotton-containing fabrics. Journal of Applied Polymer Science, 2005, 97, 1024-1032. | 1.3 | 48 |
| 15 | UVâ€protecting and antibacterial finishing of cotton knits. Journal of Applied Polymer Science, 2009, 112, 3589-3596. | 1.3 | 48 |
| 16 | Recent developments in sustainable finishing of cellulosic textiles employing biotechnology. Journal of Cleaner Production, 2021, 284, 124701. | 4.6 | 48 |
| 17 | The Impact of Nitrogen Plasma Treatment upon the Physical-Chemical and Dyeing Properties of Wool Fabric. Polymer-Plastics Technology and Engineering, 2006, 45, 1123-1132. | 1.9 | 47 |
| 18 | Combined UV-protecting and reactive printing of Cellulosic/wool blends. Carbohydrate Polymers, 2013, 92, 1386-1394. | 5.1 | 45 |

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|---|---|---|---|
| 19 | Development of new eco-friendly options for cotton wet processing. Journal of Applied Polymer Science, 2004, 93, 1825-1836. | 1.3 | 44 |
| 20 | Functional finishes of stretch cotton fabrics. Carbohydrate Polymers, 2013, 98, 1603-1609. | 5.1 | 44 |
| 21 | A new approach for durable multifunctional coating of PET fabric. Applied Surface Science, 2018, 448, 95-103. | 3.1 | 44 |
| 22 | Antibacterial Properties of Esterâ€"Cross-Linked Celluloseâ€"Containing Fabrics Post-Treated with Metal Salts. Polymer-Plastics Technology and Engineering, 2006, 45, 719-727. | 1.9 | 41 |
| 23 | A new approach for imparting durable multifunctional properties to linen-containing fabrics. Carbohydrate Polymers, 2017, 157, 1085-1093. | 5.1 | 40 |
| 24 | Green options for imparting antibacterial functionality to cotton fabrics. International Journal of Biological Macromolecules, 2018, 111, 526-533. | 3.6 | 40 |
| 25 | Biosynthesized Silver Nanoparticles for Antibacterial Treatment of Cellulosic Fabrics Using O<SUB>2</SUB>-Plasma. AATCC Journal of Research, 2014, 1, 6-12. | 0.3 | 36 |
| 26 | Ecoâ€friendly plasma treatment of linenâ€containing fabrics. Journal of the Textile Institute, 2010, 101, 1035-1049. | 1.0 | 35 |
| 27 | Functionalization of cellulose-containing fabrics by plasma and subsequent metal salt treatments. Carbohydrate Polymers, 2012, 90, 908-914. | 5.1 | 34 |
| 28 | Fabrication, characterization, and potential application of modified sawdust sorbents for efficient removal of heavy metal ions and anionic dye from aqueous solutions. Journal of Cleaner Production, 2022, 332, 130021. | 4.6 | 34 |
| 29 | Animation of Wood Sawdust for Removing Anionic Dyes from Aqueous Solutions. Polymer-Plastics Technology and Engineering, 1997, 36, 963-971. | 1.9 | 33 |
| 30 | Green Approach for Multifunctionalization of Cellulose-Containing Fabrics. Fibers and Polymers, 2018, 19, 2298-2306. | 1.1 | 33 |
| 31 | Smart options for simultaneous functionalization and pigment coloration of cellulosic/wool blends. Carbohydrate Polymers, 2013, 96, 200-210. | 5.1 | 32 |
| 32 | Thermodynamics characterization and potential textile applications of Trichoderma longibrachiatum KT693225 xylanase. Biocatalysis and Agricultural Biotechnology, 2018, 14, 129-137. | 1.5 | 30 |
| 33 | Optimization and Modification of Enzymatic Desizing of Starch-Size. Polymer-Plastics Technology and Engineering, 2004, 43, 519-538. | 1.9 | 29 |
| 34 | Utilization of monochloro-triazine Î²-cyclodextrin for enhancing printability and functionality of wool. Carbohydrate Polymers, 2013, 92, 1520-1529. | 5.1 | 29 |
| 35 | Nano-structured metal oxides: synthesis, characterization and application for multifunctional cotton fabric. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2018, 9, 035014. | 0.7 | 27 |
| 36 | Green surface modification and nano-multifunctionalization of denim fabric. Cellulose, 2018, 25, 6207-6220. | 2.4 | 27 |

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|---|---|---|---|
| 37 | Nanomaterials for Antibacterial Textiles. , 2015, , 191-216. | | 26 |
| 38 | Finishing of Cotton Fabrics with Hyperbranched Poly (ester-amine) to Enhance Their Antibacterial Properties and UV Protection. Polymer-Plastics Technology and Engineering, 2010, 49, 1297-1304. | 1.9 | 25 |
| 39 | UV-Protective Finishing of Cellulose/Wool Blended Fabrics. Polymer-Plastics Technology and Engineering, 2007, 46, 905-911. | 1.9 | 24 |
| 40 | Cellulosic/wool pigment prints with remarkable antibacterial functionalities. Carbohydrate Polymers, 2015, 115, 559-567. | 5.1 | 23 |
| 41 | Synthesis of PEG/TDI/F6 Adducts and Utilization as Water/Oil Repellents and Oily Stain Release Finishes for Cotton Fabric. Polymer-Plastics Technology and Engineering, 2005, 44, 1189-1201. | 1.9 | 21 |
| 42 | Enhancing antimicrobial properties of dyed and finished cotton fabrics. Carbohydrate Polymers, 2009, 78, 502-510. | 5.1 | 20 |
| 43 | Eco-friendly modification and antibacterial functionalization of viscose fabric. Journal of the Textile Institute, 2017, 108, 1406-1411. | 1.0 | 20 |
| 44 | An Eco-Friendly Multifunctional Nano-Finishing of Cellulose/Wool Blends. Fibers and Polymers, 2018, 19, 797-804. | 1.1 | 20 |
| 45 | Multipurpose Treatment of Cellulose-Containing Fabrics to Impart Durable Antibacterial and Repellent Properties. Fibers and Polymers, 2020, 21, 513-521. | 1.1 | 20 |
| 46 | New finishing possibilities for producing durable multifunctional cotton/wool and viscose/wool blended fabrics. Carbohydrate Polymers, 2015, 119, 182-193. | 5.1 | 19 |
| 47 | Screening Fungal Endophytes Derived from Under-Explored Egyptian Marine Habitats for Antimicrobial and Antioxidant Properties in Factionalised Textiles. Microorganisms, 2020, 8, 1617. | 1.6 | 19 |
| 48 | Environmentally sound approach for imparting antibacterial and UV-protection functionalities to linen cellulose using ascorbic acid. International Journal of Biological Macromolecules, 2019, 135, 88-96. | 3.6 | 18 |
| 49 | Polysaccharide-Based Polymer Gels and Their Potential Applications. Gels Horizons: From Science To Smart Materials, 2018, , 97-126. | 0.3 | 18 |
| 50 | Improving transfer printing and ultravioletâ€blocking properties of polyesterâ€based textiles using MCTâ€Îâ€CD, chitosan and ethylenediamine. Coloration Technology, 2010, 126, 330-336. | 0.7 | 17 |
| 51 | Enhanced Antibacterial Properties of Polyester and Polyacrylonitrile Fabrics Using Ag-NP Dispersion/Microwave Treatment. AATCC Journal of Research, 2014, 1, 13-19. | 0.3 | 16 |
| 52 | Title is missing!. Acta Polymerica, 1989, 40, 719-723. | 1.4 | 14 |
| 53 | Economical and Ecological Biotreatment/Half Bleaching of Cotton-Containing Knit Fabrics on Industrial Scale. Polymer-Plastics Technology and Engineering, 2005, 44, 881-899. | 1.9 | 14 |
| 54 | New thickening agents for reactive printing of cellulosic fabrics. Journal of Applied Polymer Science, 2006, 101, 4430-4439. | 1.3 | 14 |

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|---|---|---|---|
| 55 | Preparation of a Chemical Polyblend Sizing Agent via Polymerization of Acrylic Acid with Polyvinyl Alcohol. Polymer-Plastics Technology and Engineering, 2006, 45, 309-315. | 1.9 | 14 |
| 56 | Biosynthesis, optimization and potential textile application of fungal cellulases/xylanase multifunctional enzyme preparation from Penicillium sp. SAF6. Biocatalysis and Biotransformation, 2016, 34, 128-136. | 1.1 | 14 |
| 57 | New Approach for Improving UV-Protecting Properties of Woven Cotton Fabrics. Polymer-Plastics Technology and Engineering, 2005, 44, 919-930. | 1.9 | 13 |
| 58 | Title is missing!. Angewandte Makromolekulare Chemie, 1993, 210, 7-20. | 0.3 | 12 |
| 59 | Options for Enhancing Performance Properties of Easy-Care Finished Cellulose/Wool Blended Fabrics. Polymer-Plastics Technology and Engineering, 2008, 47, 281-292. | 1.9 | 12 |
| 60 | Development of functionalized cellulose/wool blended fabrics for high performance textiles. Journal of the Textile Institute, 2017, 108, 1728-1738. | 1.0 | 11 |
| 61 | Environmentally benign Scouring of Cotton Knits Using Locally Produced Acid Pectinase Enzyme. Fibers and Polymers, 2019, 20, 787-793. | 1.1 | 11 |
| 62 | Polyfunctional cotton cellulose fabric using proper biopolymers and active ingredients. Journal of the Textile Institute, 2020, 111, 381-393. | 1.0 | 11 |
| 63 | Title is missing!. Angewandte Makromolekulare Chemie, 1979, 81, 95-107. | 0.3 | 10 |
| 64 | Studies of some basic aspects in easy-care cotton finishing, III. Catalysts. Angewandte Makromolekulare Chemie, 1979, 82, 11-25. | 0.3 | 10 |
| 65 | Title is missing!. Angewandte Makromolekulare Chemie, 1979, 82, 27-37. | 0.3 | 10 |
| 66 | Title is missing!. Acta Polymerica, 1990, 41, 59-63. | 1.4 | 10 |
| 67 | Title is missing!. Angewandte Makromolekulare Chemie, 1985, 130, 111-124. | 0.3 | 9 |
| 68 | Effective Acid Printing of Protein and Nylon-6 Fabrics Using New Thickening Agents. Polymer-Plastics Technology and Engineering, 2008, 47, 389-397. | 1.9 | 8 |
| 69 | Concurrent Direct Dyeing and Easy-care Finishing of Viscose and Wool/Viscose Blend Fabrics. Journal of the Textile Institute, 1991, 82, 9-17. | 1.0 | 7 |
| 70 | Synthesis and characterization of polyacrylic acid/dexy 85 and polyacrylic acid/gum arabic adducts. Journal of Applied Polymer Science, 2006, 101, 4290-4300. | 1.3 | 7 |
| 71 | Improving the Environmental Aspects of Sulphur Dyeing of Cotton Knitted Fabrics. Journal of Natural Fibers, 2008, 5, 238-250. | 1.7 | 7 |
| 72 | Durable surface functionalisation and pigment coloration of cellulosic fabrics using bioactive additives. Coloration Technology, 2021, 137, 645-657. | 0.7 | 7 |

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|---|---|---|---|
| 73 | Synthesis, Characterization, and Application of Poly(Acrylamide)/Poly(Vinyl Alcohol) Polyblends. Polymer-Plastics Technology and Engineering, 2006, 45, 341-350. | 1.9 | 6 |
| 74 | Enhancing Easy Care and Antibacterial Functions of Cellulose / Wool Blends. Journal of Natural Fibers, 2008, 5, 347-365. | 1.7 | 6 |
| 75 | Application of MCT-Î²CD to Modify Cellulose/Wool Blended Fabrics for Upgrading Their Reactive Printability and Antibacterial Functionality. Fibers and Polymers, 2018, 19, 1655-1662. | 1.1 | 6 |
| 76 | Sustainable colorants for protective textiles. , 2020, , 569-629. | | 6 |
| 77 | Title is missing!. Acta Polymerica, 1995, 46, 50-55. | 1.4 | 5 |
| 78 | New Approach for Easy-Care Finishing of Woolen Fabric. Polymer-Plastics Technology and Engineering, 2005, 44, 1203-1215. | 1.9 | 5 |
| 79 | Combined Dyeing and Resin Finishing of Wool/Viscose and Cotton/Wool Blends. Polymer-Plastics Technology and Engineering, 2006, 45, 455-462. | 1.9 | 5 |
| 80 | The potential use of nanotechnology for antimicrobial functionalization of cellulose-containing fabrics. , 2021, , 429-451. | | 5 |
| 81 | Upgrading the functional properties of reactive dyed cotton knits. Journal of the Textile Institute, 2017, 108, 1634-1642. | 1.0 | 4 |
| 82 | Chitosan -Based Composite Materials: Fabrication and Characterization. , 2017, , 103-136. | | 4 |
| 83 | An eco-friendly facile approach for imparting multifunctional protection properties to cellulose/wool blends. Polymer Bulletin, 2022, 79, 10313-10331. | 1.7 | 4 |
| 84 | Optimization of the Desizability of Water-Soluble Sizes. Part VI: Washing-out Trials on CMS-Size. Starch/Staerke, 1991, 43, 179-182. | 1.1 | 3 |
| 85 | Enzymatic Treatment of Pigment Prints. Polymer-Plastics Technology and Engineering, 2006, 45, 799-807. | 1.9 | 3 |
| 86 | An Integrated Approach for the Production of Value-Added and Innovative Jute-Containing Fabrics. Journal of Natural Fibers, 2009, 6, 56-82. | 1.7 | 3 |
| 87 | A New Approach for Enhancing Dyeing Properties of Jute-Based Textiles. Journal of Natural Fibers, 2011, 8, 205-239. | 1.7 | 3 |
| 88 | A novel treatment for multifunctional finishing and reactive dyeing of polyamide-6-cotton blend. Journal of the Textile Institute, 2011, 102, 863-869. | 1.0 | 3 |
| 89 | Effect of Size Formulation on Sizability and Desizability of Some Soluble Sizes. Polymer-Plastics Technology and Engineering, 1997, 36, 105-121. | 1.9 | 2 |
| 90 | Eco-Friendly Sulfur Dyeing of Cellulosic Woven Fabrics. Polymer-Plastics Technology and Engineering, 2005, 44, 1059-1078. | 1.9 | 2 |

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|---|---|---|---|
| 91 | Union Dyeing of Easy Care-Finished Wool/Viscose and Cotton/Wool Blends. Polymer-Plastics Technology and Engineering, 2006, 45, 447-453. | 1.9 | 2 |
| 92 | Sustainable textile finishing processes and pollution control based on enzyme technology. , 2021, , 385-415. | | 1 |