Hossein Barani

List of Publications by Year
in descending order

36 papers	827 citations	471509 17 h-index	501196 28 g-index
36 all docs	36 docs citations	36 times ranked	946 citing authors

#	Article	IF	Citations
1	Palladium Nanoparticles-Decorated Î²-Cyclodextrinâ€“Cyanoguanidine Modified Graphene Oxide: A Heterogeneous Nanocatalyst for Suzukiâ€“Miyaura Coupling and Reduction of 4-Nitrophenol Reactions in Aqueous Media. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 791-802.	3.7	6
2	Comparative study of electrically conductive cotton fabric prepared through the in situ synthesis of different conductive materials. Cellulose, 2021, 28, 6629.	4.9	17
3	Simultaneous Synthesis of Silver Nanoparticles and Natural Indigo Dyeing of Wool Fiber. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 1153-1161.	3.7	4
4	Stereocomplex electrospun fibers from high molecular weight of poly(L-lactic acid) and poly(D-lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	10
5	Red cabbage anthocyanins content as a natural colorant for obtaining different color on wool fibers. Pigment and Resin Technology, 2020, 49, 229-238.	0.9	9
6	Characterization and Release Behavior of a Thiosemicarbazone from Electrospun Polyvinyl Alcohol Core-Shell Nanofibers. Polymers, 2020, 12, 1488.	4.5	10
7	Sustained release of a thiosemicarbazone from antibacterial electrospun poly(lacticâ€coâ€glycolic acid) fiber mats. Polymers for Advanced Technologies, 2020, 31, 3182-3193.	3.2	8
8	Using microwave irradiation to catalyze the in-situ manufacturing of silver nanoparticles on cotton fabric for antibacterial and UV-protective application. Cellulose, 2020, 27, 9105-9121.	4.9	15
9	Microwave-Assisted Synthesis of Silver Nanoparticles: Effect of Reaction Temperature and Precursor Concentration on Fluorescent Property. Journal of Cluster Science, 2020, , 1.	3.3	12
10	Influence of dyeing conditions of natural dye extracted from Berberis integerrima fruit on color shade of woolen yarn. Journal of Natural Fibers, 2019, 16, 524-535.	3.1	12
11	Preparation and characterization of biocompatible silver nanoparticles using pomegranate peel extract. Journal of Photochemistry and Photobiology B: Biology, 2018, 179, 98-104.	3.8	77
12	Morphological and mechanical properties of drawn poly(<scp>l</scp>â€lactide) electrospun twisted yarns. Polymer Engineering and Science, 2018, 58, 1091-1096.	3.1	17
13	Analysis of lecithin treatment effects on the structural transformation of wool fiber using vibrational spectroscopy. International Journal of Biological Macromolecules, 2018, 108, 585-590.	7.5	15
14	Physical and morphological characterisation of poly(L-lactide) acid-based electrospun fibrous structures: tunning solution properties. Plastics, Rubber and Composites, 2018, 47, 438-446.	2.0	13
15	Biosynthesis of Silver Nanoparticles Using Safflower Flower: Structural Characterization, and Its Antibacterial Activity on Applied Wool Fabric. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 2525-2532.	3.7	23
16	Application of silver nanoparticles as an antibacterial mordant in wool natural dyeing: Synthesis, antibacterial activity, and color characteristics. Fibers and Polymers, 2017, 18, 658-665.	2.1	24
17	Alkaline treatment effect on the properties of inâ€situ synthesised ZnO nanoparticles on cotton fabric. IET Nanobiotechnology, 2016, 10, 162-168.	3.8	3
18	Biocompatible Stabilize Silver Nanoparticles and Their Antimicrobial Activity. Advanced Science Letters, 2016, 22, 616-621.	0.2	3

#	Article	IF	Citations
19	Analysis of structural transformation in wool fiber resulting from oxygen plasma treatment using vibrational spectroscopy. Journal of Molecular Structure, 2015, 1079, 35-40.	3.6	38
20	Application of Nano Silver/Lecithin on Wool through Various Methods: Antibacterial Properties and Cell Toxicity. Journal of Engineered Fibers and Fabrics, 2014, 9, 155892501400900.	1.0	3
21	The Dyeing Procedures Evaluation of Wool Fibers withPrangos ferulaceaand Fastness Characteristics. Advances in Materials Science and Engineering, 2014, 2014, 1-6.	1.8	13
22	Stability of colloidal silver nanoparticles trapped in lipid bilayer: effect of lecithin concentration and applied temperature. IET Nanobiotechnology, 2014, 8, 282-289.	3.8	10
23	Effects of Oxygen Plasma Treatment on the Physical and Chemical Properties of Wool Fiber Surface. Plasma Chemistry and Plasma Processing, 2014, 34, 1291-1302.	2.4	35
24	Preparation of antibacterial coating based on in situ synthesis of ZnO/SiO 2 hybrid nanocomposite on cotton fabric. Applied Surface Science, 2014, 320, 429-434.	6.1	51
25	Antibacterial continuous nanofibrous hybrid yarn through in situ synthesis of silver nanoparticles: Preparation and characterization. Materials Science and Engineering C, 2014, 43, 50-57.	7.3	26
26	Surface activation of cotton fiber by seeding silver nanoparticles and in situ synthesizing ZnO nanoparticles. New Journal of Chemistry, 2014, 38, 4365-4370.	2.8	21
27	In situ synthesis of silver nanoparticles onto cotton fibres modified with plasma treatment and acrylic acid grafting. Micro and Nano Letters, 2013, 8, 315-318.	1.3	25
28	Surface roughness and wettability of wool fabrics loaded with silver nanoparticles: Influence of synthesis and application methods. Textile Reseach Journal, 2013, 83, 1310-1318.	2.2	18
29	Optimization of Dyeing Wool Fibers Procedure withIsatis tinctoriaby Response Surface Methodology. Journal of Natural Fibers, 2012, 9, 73-86.	3.1	20
30	In situ synthesis of nano silver/lecithin on wool: Enhancing nanoparticles diffusion. Colloids and Surfaces B: Biointerfaces, 2012, 92, 9-15.	5.0	75
31	Plasma and Ultrasonic Process in Dyeing of Wool Fibers with Madder in Presence of Lecithin. Journal of Dispersion Science and Technology, 2011, 32, 1191-1199.	2.4	38
32	Nano silver entrapped in phospholipids membrane: Synthesis, characteristics and antibacterial kinetics. Molecular Membrane Biology, 2011, 28, 206-215.	2.0	28
33	Synthesis of Ag-liposome nano composites. Journal of Liposome Research, 2010, 20, 323-329.	3.3	33
34	A Review on Applications of Liposomes in Textile Processing. Journal of Liposome Research, 2008, 18, 249-262.	3.3	81
35	Preparation of polyacrylonitrile and cellulose acetate blend fibers through wet-spinning. Journal of Applied Polymer Science, 2007, 103, 2000-2005.	2.6	17
36	Investigation on polyacrylonitrile/cellulose acetate blends. Macromolecular Research, 2007, 15, 605-609.	2.4	17