Mahnaz Mahmoudi Rad

List of Publications by Year
in descending order

37 papers	1,093 citations	361413 20 h-index	414414 32 g-index
37 all docs	37 docs citations	37 times ranked	1122 citing authors

#	Article	IF	Citations
1	Biologically active PET/polysaccharide-based nanofibers post-treated with selenium/Tragacanth Gum nanobiocomposites. Carbohydrate Polymers, 2021, 251, 117125.	10.2	8
2	Innovative preparation of bacterial cellulose/silver nanocomposite hydrogels: In situ green synthesis, characterization, and antibacterial properties. Journal of Applied Polymer Science, 2021, 138, 49824.	2.6	35
3	Hybrid antibacterial hydrogels based on PVP and keratin incorporated with lavender extract. Journal of Polymer Research, 2021, 28, 1.	2.4	15
4	Stable ZnO/SiO2 nano coating on polyester for anti-bacterial, self-cleaning and flame retardant applications. Materials Chemistry and Physics, 2021, 267, 124674.	4.0	18
5	Facile technique for wool coloration via locally forming of nano selenium photocatalyst imparting antibacterial and UV protection properties. Journal of Industrial and Engineering Chemistry, 2021, 101, 153-164.	5.8	18
6	Preparation of long-lasting antibacterial wound dressing through diffusion of cationic-liposome-encapsulated polyhexamethylene biguanide. Reactive and Functional Polymers, 2021, 169, 105092.	4.1	16
7	Dual metal oxide loaded cotton/polyester fabric with photo, bio and magnetic properties. Journal of Industrial Textiles, 2020, 50, 170-186.	2.4	5
8	A coloured polyester fabric with antimicrobial properties conferred by copper nanoparticles. Coloration Technology, 2019, 135, 427-438.	1.5	11
9	Facile fabrication of cytocompatible polyester fiber composite incorporated via photocatalytic nano copper ferrite/myristic-lauric fatty acids coating with antibacterial and hydrophobic performances. Materials Science and Engineering C, 2019, 104, 109888.	7.3	12
10	Low toxic antibacterial application with hydrophobic properties on polyester through facile and clean fabrication of nano copper with fatty acid. Materials Science and Engineering C, 2019, 97, 177-187.	7.3	30
11	In-situ Synthesis of SiO2 Nanoparticles on Polyester Fabric as Benign Multi-purpose Catalysts. Fibers and Polymers, 2018, 19, 2564-2573.	2.1	7
12	Environmentally friendly low cost approach for nano copper oxide functionalization of cotton designed for antibacterial and photocatalytic applications. Journal of Cleaner Production, 2018, 204, 425-436.	9.3	61
13	Scalable, eco-friendly and simple strategy for nano-functionalization of textiles using immobilized copper-based nanoparticles. Clean Technologies and Environmental Policy, 2018, 20, 2119-2133.	4.1	24
14	Preparation of nano cationic liposome as carrier membrane for polyhexamethylene biguanide chloride through various methods utilizing higher antibacterial activities with low cell toxicity. Journal of Microencapsulation, 2017, 34, 121-131.	2.8	23
15	A novel biocompatible antibacterial product: Nanoliposomes loaded with poly(hexamethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.1	12
16	In-situ sonosynthesis of cobblestone-like ZnO nanoparticles on cotton/polyester fabric improving photo, bio and sonocatalytic activities along with low toxicity and enhanced mechanical properties. Materials Science in Semiconductor Processing, 2017, 66, 92-98.	4.0	10
17	Photo and biocatalytic activities along with UV protection properties on polyester fabric through green in - situ synthesis of cauliflower-like CuO nanoparticles. Journal of Photochemistry and Photobiology B: Biology, 2017, 176, 100-111.	3.8	65
18	Antibacterial, UV protective and ammonia sensing functionalized polyester fabric through in situ synthesis of cuprous oxide nanoparticles. Fibers and Polymers, 2017, 18, 1269-1279.	2.1	39

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19	Biosynthesis of nano cupric oxide on cotton using Seidlitzia rosmarinus ashes utilizing bio, photo, acid sensing and leaching properties. Carbohydrate Polymers, 2017, 177, 1-12.	10.2	34
20	A cleaner route for nanocolouration of wool fabric via green assembling of cupric oxide nanoparticles along with antibacterial and UV protection properties. Journal of Cleaner Production, 2017, 166, 221-231.	9.3	58
21	In Situ Photo Sonosynthesis of Organic/Inorganic Nanocomposites on Wool Fabric Introducing Multifunctional Properties. Photochemistry and Photobiology, 2016, 92, 76-86.	2.5	11
22	Encapsulation of Aloe Vera extract into natural Tragacanth Gum as a novel green wound healing product. International Journal of Biological Macromolecules, 2016, 93, 344-349.	7.5	68
23	Ultrasound mediation for one-pot sonosynthesis and deposition of magnetite nanoparticles on cotton/polyester fabric as a novel magnetic, photocatalytic, sonocatalytic, antibacterial and antifungal textile. Ultrasonics Sonochemistry, 2016, 31, 257-266.	8.2	46
24	Tragacanth gum biopolymer as reducing and stabilizing agent in biosonosynthesis of urchin-like ZnO nanorod arrays: A low cytotoxic photocatalyst with antibacterial and antifungal properties. Carbohydrate Polymers, 2016, 136, 232-241.	10.2	66
25	Application of Allogeneic Fibroblast Cultured on Acellular Amniotic Membrane for Full-thickness Wound Healing in Rats. Wounds, 2016, 28, 14-9.	0.5	4
26	In situ photo sonosynthesis and characterize nonmetal/metal dual doped honeycomb-like ZnO nanocomposites on wool fabric. Ultrasonics Sonochemistry, 2015, 27, 200-209.	8.2	37
27	In-situ sonosynthesis of nano N-doped ZnO on wool producing fabric with photo and bio activities, cell viability and enhanced mechanical properties. Journal of Photochemistry and Photobiology B: Biology, 2015, 149, 103-115.	3.8	37
28	Simultaneous sonosynthesis and sonofabrication of N-doped ZnO/TiO2 coreâ€“shell nanocomposite on wool fabric: Introducing various properties specially nano photo bleaching. Ultrasonics Sonochemistry, 2015, 27, 10-21.	8.2	37
29	Tragacanth gum as a natural polymeric wall for producing antimicrobial nanocapsules loaded with plant extract. International Journal of Biological Macromolecules, 2015, 81, 514-520.	7.5	81
30	Simultaneous synthesis and fabrication of nano Cu2O on cellulosic fabric using copper sulfate and glucose in alkali media producing safe bio- and photoactive textiles without color change. Cellulose, 2015, 22, 4049-4064.	4.9	39
31	Expression of TGF-Î²3 in isolated fibroblasts from foreskin. Reports of Biochemistry and Molecular Biology, 2015, 3, 76-81.	1.4	3
32	Rapid Sonosynthesis of Nâ€Ðoped Nano TiO₂ on Wool Fabric at Low Temperature: Introducing Selfâ€cleaning, Hydrophilicity, Antibacterial/Antifungal Properties with low Alkali Solubility, Yellowness and Cytotoxicity. Photochemistry and Photobiology, 2014, 90, 1224-1233.	2.5	50
33	Sonosynthesis of nano TiO2 on wool using titanium isopropoxide or butoxide in acidic media producing multifunctional fabric. Ultrasonics Sonochemistry, 2014, 21, 1815-1826.	8.2	58
34	The Effects of Insulin-Like Growth Factor-1 Gene Therapy and Cell Transplantation on Rat Acute Wound Model. Iranian Red Crescent Medical Journal, 2014, 16, e16323.	0.5	10
35	Aged-look vat dyed cotton with anti-bacterial/anti-fungal properties by treatment with nano clay and enzymes. Carbohydrate Polymers, 2013, 95, 338-347.	10.2	29
36	Single strains of Trichophyton rubrum in cases of tinea pedis. Journal of Medical Microbiology, 2005, 54, 725-726.	1.8	14

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37	Oxygenatedâ€bacterialâ€cellulose nanofibers with hydrogel, antimicrobial, and controlled oxygen release properties for rapid wound healing. Journal of Applied Polymer Science, 0, , 51974.	2.6	2