

Mahnaz Mahmoudi Rad

List of Publications by Year in descending order

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Version: 2024-02-01

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	Tragacanth gum as a natural polymeric wall for producing antimicrobial nanocapsules loaded with plant extract. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 514-520.	7.5	81
2	Encapsulation of Aloe Vera extract into natural Tragacanth Gum as a novel green wound healing product. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 344-349.	7.5	68
3	Tragacanth gum biopolymer as reducing and stabilizing agent in biosynthesis of urchin-like ZnO nanorod arrays: A low cytotoxic photocatalyst with antibacterial and antifungal properties. <i>Carbohydrate Polymers</i> , 2016, 136, 232-241.	10.2	66
4	Photo and biocatalytic activities along with UV protection properties on polyester fabric through green in - situ synthesis of cauliflower-like CuO nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 176, 100-111.	3.8	65
5	Environmentally friendly low cost approach for nano copper oxide functionalization of cotton designed for antibacterial and photocatalytic applications. <i>Journal of Cleaner Production</i> , 2018, 204, 425-436.	9.3	61
6	Sonosynthesis of nano TiO ₂ on wool using titanium isopropoxide or butoxide in acidic media producing multifunctional fabric. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1815-1826.	8.2	58
7	A cleaner route for nanocolouration of wool fabric via green assembling of cupric oxide nanoparticles along with antibacterial and UV protection properties. <i>Journal of Cleaner Production</i> , 2017, 166, 221-231.	9.3	58
8	Rapid Sonosynthesis of Na ⁺ Doped Nano TiO ₂ on Wool Fabric at Low Temperature: Introducing Self-cleaning, Hydrophilicity, Antibacterial/Antifungal Properties with low Alkali Solubility, Yellowness and Cytotoxicity. <i>Photochemistry and Photobiology</i> , 2014, 90, 1224-1233.	2.5	50
9	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. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 257-266.	8.2	46
10	Simultaneous synthesis and fabrication of nano Cu ₂ O on cellulosic fabric using copper sulfate and glucose in alkali media producing safe bio- and photoactive textiles without color change. <i>Cellulose</i> , 2015, 22, 4049-4064.	4.9	39
11	Antibacterial, UV protective and ammonia sensing functionalized polyester fabric through in situ synthesis of cuprous oxide nanoparticles. <i>Fibers and Polymers</i> , 2017, 18, 1269-1279.	2.1	39
12	In situ photo sonosynthesis and characterize nonmetal/metal dual doped honeycomb-like ZnO nanocomposites on wool fabric. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 200-209.	8.2	37
13	In-situ sonosynthesis of nano N-doped ZnO on wool producing fabric with photo and bio activities, cell viability and enhanced mechanical properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 149, 103-115.	3.8	37
14	Simultaneous sonosynthesis and sonofabrication of N-doped ZnO/TiO ₂ core-shell nanocomposite on wool fabric: Introducing various properties specially nano photo bleaching. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 10-21.	8.2	37
15	Innovative preparation of bacterial cellulose/silver nanocomposite hydrogels: In situ green synthesis, characterization, and antibacterial properties. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49824.	2.6	35
16	Biosynthesis of nano cupric oxide on cotton using <i>Seidlitzia rosmarinus</i> ashes utilizing bio, photo, acid sensing and leaching properties. <i>Carbohydrate Polymers</i> , 2017, 177, 1-12.	10.2	34
17	Low toxic antibacterial application with hydrophobic properties on polyester through facile and clean fabrication of nano copper with fatty acid. <i>Materials Science and Engineering C</i> , 2019, 97, 177-187.	7.3	30
18	Aged-look vat dyed cotton with anti-bacterial/anti-fungal properties by treatment with nano clay and enzymes. <i>Carbohydrate Polymers</i> , 2013, 95, 338-347.	10.2	29

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19	Scalable, eco-friendly and simple strategy for nano-functionalization of textiles using immobilized copper-based nanoparticles. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 2119-2133.	4.1	24
20	Preparation of nano cationic liposome as carrier membrane for polyhexamethylene biguanide chloride through various methods utilizing higher antibacterial activities with low cell toxicity. <i>Journal of Microencapsulation</i> , 2017, 34, 121-131.	2.8	23
21	Stable ZnO/SiO ₂ nano coating on polyester for anti-bacterial, self-cleaning and flame retardant applications. <i>Materials Chemistry and Physics</i> , 2021, 267, 124674.	4.0	18
22	Facile technique for wool coloration via locally forming of nano selenium photocatalyst imparting antibacterial and UV protection properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 101, 153-164.	5.8	18
23	Preparation of long-lasting antibacterial wound dressing through diffusion of cationic-liposome-encapsulated polyhexamethylene biguanide. <i>Reactive and Functional Polymers</i> , 2021, 169, 105092.	4.1	16
24	Hybrid antibacterial hydrogels based on PVP and keratin incorporated with lavender extract. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	15
25	Single strains of <i>Trichophyton rubrum</i> in cases of tinea pedis. <i>Journal of Medical Microbiology</i> , 2005, 54, 725-726.	1.8	14
26	A novel biocompatible antibacterial product: Nanoliposomes loaded with poly(hexamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	2.1	12
27	Facile fabrication of cytocompatible polyester fiber composite incorporated via photocatalytic nano copper ferrite/myristic-lauric fatty acids coating with antibacterial and hydrophobic performances. <i>Materials Science and Engineering C</i> , 2019, 104, 109888.	7.3	12
28	<i>In Situ</i> Photo Sonosynthesis of Organic/Inorganic Nanocomposites on Wool Fabric Introducing Multifunctional Properties. <i>Photochemistry and Photobiology</i> , 2016, 92, 76-86.	2.5	11
29	A coloured polyester fabric with antimicrobial properties conferred by copper nanoparticles. <i>Coloration Technology</i> , 2019, 135, 427-438.	1.5	11
30	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. <i>Materials Science in Semiconductor Processing</i> , 2017, 66, 92-98.	4.0	10
31	The Effects of Insulin-Like Growth Factor-1 Gene Therapy and Cell Transplantation on Rat Acute Wound Model. <i>Iranian Red Crescent Medical Journal</i> , 2014, 16, e16323.	0.5	10
32	Biologically active PET/polysaccharide-based nanofibers post-treated with selenium/Tragacanth Gum nanobiocomposites. <i>Carbohydrate Polymers</i> , 2021, 251, 117125.	10.2	8
33	In-situ Synthesis of SiO ₂ Nanoparticles on Polyester Fabric as Benign Multi-purpose Catalysts. <i>Fibers and Polymers</i> , 2018, 19, 2564-2573.	2.1	7
34	Dual metal oxide loaded cotton/polyester fabric with photo, bio and magnetic properties. <i>Journal of Industrial Textiles</i> , 2020, 50, 170-186.	2.4	5
35	Application of Allogeneic Fibroblast Cultured on Acellular Amniotic Membrane for Full-thickness Wound Healing in Rats. <i>Wounds</i> , 2016, 28, 14-9.	0.5	4
36	Expression of TGF- β 3 in isolated fibroblasts from foreskin. <i>Reports of Biochemistry and Molecular Biology</i> , 2015, 3, 76-81.	1.4	3

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