Mazeyar Parvinzadeh Gashti

List of Publications by Year
in descending order

86 papers	3,290 citations	87888 38 h-index	168389 53 g-index
88 all docs	88 docs citations	88 times ranked	2554 citing authors

#	Article	IF	Citations
1	Surface characterization of polyethylene terephthalate/silica nanocomposites. Applied Surface Science, 2010, 256, 2792-2802.	6.1	148
2	A novel method for coating of carbon nanotube on cellulose fiber using 1,2,3,4-butanetetracarboxylic acid as a cross-linking agent. Progress in Organic Coatings, 2012, 74, 470-478.	3.9	119
3	Atmospheric air-plasma treatment of polyester fiber to improve the performance of nanoemulsion silicone. Applied Surface Science, 2011, 257, 4062-4068.	6.1	109
4	Effect of proteolytic enzyme on dyeing of wool with madder. Enzyme and Microbial Technology, 2007, 40, 1719-1722.	3.2	102
5	Functional cellulose fibers via polycarboxylic acid/carbon nanotube composite coating. Journal of Coatings Technology Research, 2013, 10, 123-132.	2.5	95
6	Preparation of water-repellent cellulose fibers using a polycarboxylic acid/hydrophobic silica nanocomposite coating. Surface and Coatings Technology, 2012, 206, 3208-3215.	4.8	89
7	UV radiation induced flame retardant cellulose fiber by using polyvinylphosphonic acid/carbon nanotube composite coating. Composites Part B: Engineering, 2013, 45, 282-289.	12.0	87
8	Fabrication of a multifunctional graphene/polyvinylphosphonic acid/cotton nanocomposite via facile spray layer-by-layer assembly. RSC Advances, 2016, 6, 23288-23299.	3.6	77
9	Biohydrolysis of nylon 6,6 fiber with different proteolytic enzymes. Polymer Degradation and Stability, 2009, 94, 1197-1205.	5.8	75
10	Deposition of silver nanoparticles on carbon nanotube by chemical reduction method: Evaluation of surface, thermal and optical properties. Superlattices and Microstructures, 2012, 52, 50-62.	3.1	69
11	Extraction of polyphenolic dyes from henna, pomegranate rind, and Pterocarya fraxinifolia for nylon 6 dyeing. Coloration Technology, 2016, 132, 162-176.	1.5	69
12	Extraction of juglone from Pterocarya fraxinifolia leaves for dyeing, antiâ€fungal finishing, and solar <scp>UV</scp> protection of wool. Coloration Technology, 2015, 131, 451-457.	1.5	64
13	Influence of atmospheric-air plasma on the coating of a nonionic lubricating agent on polyester fiber. Radiation Effects and Defects in Solids, 2011, 166, 408-416.	1.2	60
14	Preparation of electromagnetic reflective wool using nano-ZrO2/citric acid as inorganic/organic hybrid coating. Sensors and Actuators A: Physical, 2012, 187, 1-9.	4.1	59
15	Polypyrrole-MWCNT-Ag composites for electromagnetic shielding: Comparison between chemical deposition and UV-reduction approaches. Journal of Physics and Chemistry of Solids, 2018, 118, 80-87.	4.0	57
16	Colorimetric properties of wool dyed with natural dyes after treatment with ammonia. Coloration Technology, 2004, 120, 161-166.	1.5	55
17	Electromagnetic shielding response of UV-induced polypyrrole/silver coated wool. Fibers and Polymers, 2015, 16, 585-592.	2.1	53
18	A microfluidic platform with pH imaging for chemical and hydrodynamic stimulation of intact oral biofilms. Lab on A Chip, 2016, 16, 1412-1419.	6.0	51

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19	Surface modification of electrospun PAN nanofibers by amine compounds for adsorption of anionic dyes. Desalination and Water Treatment, 2016, 57, 10333-10348.	1.0	50
20	Glutamic acid inducing kidney stone biomimicry by a brushite/gelatin composite. Journal of Materials Chemistry B, 2013, 1, 1501.	5.8	49
21	Citric acid/ZrO2 nanocomposite inducing thermal barrier and self-cleaning properties on protein fibers. Composites Part B: Engineering, 2013, 52, 340-349.	12.0	49
22	Surface oxidation of cellulose by ozone-gas in a vacuum cylinder to improve the functionality of fluoromonomer. Vacuum, 2013, 91, 7-13.	3.5	48
23	UV radiation inducing succinic acid/silicaâ€“kaolinite network on cellulose fiber to improve the functionality. Composites Part B: Engineering, 2013, 48, 158-166.	12.0	48
24	Fluorinated-PAN nanofibers: Preparation, optimization, characterization and fog harvesting property. Journal of Industrial and Engineering Chemistry, 2018, 62, 146-155.	5.8	48
25	Synthesis of bone-like micro-porous calcium phosphate/iota-carrageenan composites by gel diffusion. Colloids and Surfaces B: Biointerfaces, 2013, 110, 426-433.	5.0	47
26	Optical and electromagnetic characteristics of clayâ€“iron oxide nanocomposites. Research on Chemical Intermediates, 2011, 37, 771-784.	2.7	46
27	Clay nanoadsorbent as an environmentally friendly substitute for mordants in the natural dyeing of carpet piles. Coloration Technology, 2014, 130, 54-61.	1.5	46
28	The Effects of Softeners on the Properties of Sulfur-Dyed Cotton Fibers. Journal of Surfactants and Detergents, 2007, 10, 219-223.	2.1	45
29	A new approach to improve dyeability of nylonâ€ƒ6 fibre using a subtilisin enzyme. Coloration Technology, 2009, 125, 228-233.	1.5	45
30	Structural, optical and electromagnetic properties of aluminumâ€“clay nanocomposites. Superlattices and Microstructures, 2012, 51, 135-148.	3.1	45
31	Effect of ammonia on madder-dyed natural protein fiber. Journal of Applied Polymer Science, 2004, 93, 2704-2710.	2.6	44
32	Dyeing of wool with Marigold and its properties. Fibers and Polymers, 2007, 8, 181-185.	2.1	44
33	Macroâ€•and Microemulsion Silicone Softeners on Polyester Fibers: Evaluation of Different Physical Properties. Journal of Surfactants and Detergents, 2008, 11, 269-273.	2.1	44
34	Mineralization of Calcium Phosphate Crystals in Starch Template Inducing a Brushite Kidney Stone Biomimetic Composite. Crystal Growth and Design, 2013, 13, 2166-2173.	3.0	44
35	Preparation of polybutylene terephthalate/silica nanocomposites by melt compounding: Evaluation of surface properties. Applied Surface Science, 2011, 257, 8443-8450.	6.1	43
36	A novel method for colouration of cotton using clay nanoâ€adsorbent treatment. Pigment and Resin Technology, 2013, 42, 175-185.	0.9	40

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37	Thin Film Plasma Functionalization of Polyethylene Terephthalate to Induce Bone-Like Hydroxyapatite Nanocrystals. Plasma Processes and Polymers, 2014, 11, 37-43.	3.0	40
38	Effect of nanoclay type on dyeability of polyethylene terephthalate/clay nanocomposites. Journal of Applied Polymer Science, 2012, 125, 4109-4120.	2.6	39
39	Chemically reduced versus photo-reduced clay-Ag-polypyrrole ternary nanocomposites: Comparing thermal, optical, electrical and electromagnetic shielding properties. Materials Research Bulletin, 2016, 83, 96-107.	5.2	39
40	Synthesizing tertiary silver/silica/kaolinite nanocomposite using photo-reduction method: Characterization of morphology and electromagnetic properties. Composites Part B: Engineering, 2012, 43, 3374-3383.	12.0	38
41	Influence of Ultrasonic Waves on the Processing of Cotton with Cationic Softener. Journal of Surfactants and Detergents, 2010, 13, 135-141.	2.1	37
42	ENZYMATIC SURFACE HYDROLYSIS OF POLYAMIDE 6,6 WITH MIXTURES OF PROTEOLYTIC AND LIPOLYTIC ENZYMES. Preparative Biochemistry and Biotechnology, 2013, 43, 798-814.	1.9	36
43	Growth of strontium hydrogen phosphate/gelatin composites: a biomimetic approach. New Journal of Chemistry, 2016, 40, 5495-5500.	2.8	35
44	Atmospheric-air plasma enhances coating of different lubricating agents on polyester fiber. EPJ Applied Physics, 2011, 56, 10801.	0.7	34
45	Thermal Characterization and Flammability of Polyester Fiber Coated with Nonionic and Cationic Softeners. Journal of Surfactants and Detergents, 2011, 14, 595-603.	2.1	34
46	Argon and Argonâ€“Oxygen Plasma Surface Modification of Gelatin Nanofibers for Tissue Engineering Applications. Membranes, 2021, 11, 31.	3.0	34
47	Textile Softeners on Cotton Dyed with Direct Dyes: Reflectance and Fastness Assessments. Tenside, Surfactants, Detergents, 2008, 45, 13-16.	1.2	33
48	Effect of Colloidal Dispersion of Clay on Some Properties of Wool Fiber. Journal of Dispersion Science and Technology, 2013, 34, 853-858.	2.4	33
49	Effect of Nano and Micro Emulsion Silicone Softeners on Properties of Polyester Fibers. Tenside, Surfactants, Detergents, 2008, 45, 254-257.	1.2	32
50	Extraction of dyes fromDelphinium Zalilflowers and dyeing silk yarns. Journal of the Textile Institute, 2017, 108, 66-70.	1.9	32
51	Ultrasonically developed silver/iota-carrageenan/cotton bionanocomposite as an efficient material for biomedical applications. International Journal of Biological Macromolecules, 2021, 180, 439-457.	7.5	30
52	Zwitter ionic modification of cobalt-ferrite nanofiber for the removal of anionic and cationic dyes. Journal of the Taiwan Institute of Chemical Engineers, 2016, 67, 306-317.	5.3	29
53	New insights into corona discharge surface ionization of polyethylene terephthalate via a combined computational and experimental assessment. Current Applied Physics, 2015, 15, 1075-1083.	2.4	25
54	Coating of macroemulsion and microemulsion silicones on poly(ethylene terephthalate) fibers: Evaluation of the thermal properties and flammability. Journal of Applied Polymer Science, 2012, 125, 1430-1438.	2.6	24

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55	Polyvinylpyrrolidone/Carbon Nanotube/Cotton Functional Nanocomposite: Preparation and Characterization of Properties. Fibers and Polymers, 2018, 19, 1940-1947.	2.1	24
56	Ultrasonic Assisted Finishing of Cotton with Nonionic Softener. Tenside, Surfactants, Detergents, 2009, 46, 335-339.	1.2	23
57	A robust method for producing electromagnetic shielding cellulose via iron oxide pillared clay coating under ultraviolet irradiation. Functional Materials Letters, 2015, 08, 1550073.	1.2	23
58	Nanotechnology-based coating techniques for smart textiles. , 2016, , 243-268.		23
59	Dispersibility of Hydrophilic and Hydrophobic Nano-Silica Particles in Polyethylene Terephthalate Films: Evaluation of Morphology and Thermal Properties. Polymers and Polymer Composites, 2015, 23, 285-296.	1.9	22
60	Various nano-silica particles affecting dyeability of poly(ethylene terephthalate)/silica nanocomposite films. Fibers and Polymers, 2013, 14, 743-751.	2.1	21
61	Morphological, optical and electromagnetic characterization of polybutylene terephthalate/silica nanocomposites. Fibers and Polymers, 2013, 14, 1324-1331.	2.1	20
62	Barium hydrogen phosphate/gelatin composites versus gelatin-free barium hydrogen phosphate: Synthesis and characterization of properties. Journal of Colloid and Interface Science, 2014, 431, 149-156.	9.4	20
63	Biomineralizationâ€Inspired Green Synthesis of Zinc Phosphateâ€Based Nanosheets in Gelatin Hydrogel. International Journal of Applied Ceramic Technology, 2016, 13, 1069-1073.	2.1	19
64	Enzymatic hydrolysis of nylon 6 fiber using lipolytic enzyme. Journal of Applied Polymer Science, 2010, 116, 3140-3147.	2.6	18
65	Photocatalytic discoloration of denim using advanced oxidation process with H2O2/UV. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 360, 278-288.	3.9	18
66	Polar Nature of Biomimetic Fluorapatite/Gelatin Composites: A Comparison of Bipolar Objects and the Polar State of Natural Tissue. Biomacromolecules, 2015, 16, 2814-2819.	5.4	16
67	Through thick and thin: a microfluidic approach for continuous measurements of biofilm viscosity and the effect of ionic strength. Lab on A Chip, 2016, 16, 4710-4717.	6.0	16
68	SiO2-kaolinite affecting the surface properties of ternary poly(vinyl chloride)/silica/kaolinite nanocomposites. Fibers and Polymers, 2013, 14, 1870-1876.	2.1	15
69	Effects of coating of nanoâ€•and microemulsion silicones on thermal properties and flammability of polyethylene terephthalate textile. Pigment and Resin Technology, 2013, 42, 34-44.	0.9	14
70	Live-streaming: Time-lapse video evidence of novel streamer formation mechanism and varying viscosity. Biomicrofluidics, 2015, 9, 041101.	2.4	14
71	A microfluidic method and custom model for continuous, non-intrusive biofilm viscosity measurements under different nutrient conditions. Biomicrofluidics, 2016, 10, 064107.	2.4	14
72	Hydrogel-assisted low-temperature synthesis of calcium borate nanoparticles. Journal of the Australian Ceramic Society, 2018, 54, 601-607.	1.9	13

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73	Air Plasma Functionalization of Electrospun Nanofibers for Skin Tissue Engineering. Biomedicines, 2022, 10, 617.	3.2	13
74	Ultrasound for efficient emulsification and uniform coating of an anionic lubricant on cotton. Fibers and Polymers, 2014, 15, 65-70.	2.1	12
75	Surface and Bulk Modification of Synthetic Textiles to Improve Dyeability. , 0, , .		11
76	Poly(acrylic acid)-zeolite nanocomposites for dye removal from single and binary systems. Desalination and Water Treatment, 2015, , 1-19.	1.0	10
77	Gel diffusion-inspired biomimetic calcium iodate/gelatin composite particles: Structural characterization and antibacterial activity. Journal of Solid State Chemistry, 2020, 285, 121262.	2.9	9
78	Chemical grafting of disperse dyes onto polyacrylonitrile: A novel method for coloration of fibers. Fibers and Polymers, 2014, 15, 2307-2312.	2.1	7
79	New insight into compressive shrinkage finishing in a garment company: The effects on physical, mechanical and colorimetric properties of cotton woven fabrics. Fibers and Polymers, 2016, 17, 130-135.	2.1	6
80	Influence of Topical Cross-Linking on Mechanical and Ballistic Performance of a Woven Ultra-High-Molecular-Weight Polyethylene Fabric Used in Soft Body Armor. ACS Applied Polymer Materials, 2021, 3, 6008-6018.	4.4	6
81	Comparison between nano and micro silicon softener on corona discharge-treated cotton fabric. Journal of Industrial Textiles, 2018, 47, 1757-1768.	2.4	5
82	Enzymatic degradation of natural protein fiber. Journal of Biotechnology, 2008, 136, S300.	3.8	2
83	A video imaging method for time-dependent measurements of molecular mass transfer and biofilm dynamics in microchannels. MRS Advances, 2016, 1, 2099-2106.	0.9	1
84	A Microfluidic Platform with Nanoparticle-Based Metal-Enhanced Fluorescence for pH Mapping Acidified Aqueous Solutions by CO2 Microbubbles. MRS Advances, 2016, 1, 2037-2043.	0.9	1
85	Thermal properties of aliphatic polyesters. , 2020, , 151-189.		1
86	Microscopy of Nanomaterials. , 2016, , 105-128.		0