

Franco Ferrero

List of Publications by Year in descending order

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58
papers

2,725
citations

186209

28
h-index

182361

51
g-index

60
all docs

60
docs citations

60
times ranked

2948
citing authors

#	ARTICLE	IF	CITATIONS
1	Dye removal by low cost adsorbents: Hazelnut shells in comparison with wood sawdust. <i>Journal of Hazardous Materials</i> , 2007, 142, 144-152.	6.5	380
2	Study on the structure and properties of wool keratin regenerated from formic acid. <i>International Journal of Biological Macromolecules</i> , 2007, 41, 266-273.	3.6	220
3	Performances and properties of intrinsic conductive cellulose- <i>polypyrrole</i> textiles. <i>Synthetic Metals</i> , 2004, 146, 213-221.	2.1	161
4	Structure and properties of keratin/PEO blend nanofibres. <i>European Polymer Journal</i> , 2008, 44, 2465-2475.	2.6	159
5	Wettability measurements on plasma treated synthetic fabrics by capillary rise method. <i>Polymer Testing</i> , 2003, 22, 571-578.	2.3	127
6	Electrospinning of keratin/poly(ethylene oxide)blend nanofibers. <i>Journal of Applied Polymer Science</i> , 2007, 104, 863-870.	1.3	126
7	Thermal and structural characterization of poly(ethylene-oxide)/keratin blend films. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 89, 601-608.	2.0	103
8	Study on Cast Membranes and Electrospun Nanofibers Made from Keratin/Fibroin Blends. <i>Biomacromolecules</i> , 2008, 9, 2819-2825.	2.6	93
9	Ultrasound for low temperature dyeing of wool with acid dye. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 601-606.	3.8	87
10	Antimicrobial Finish of Textiles by Chitosan UV-Curing. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4803-4810.	0.9	77
11	Application of fluorinated compounds to cotton fabrics via sol-gel. <i>Applied Surface Science</i> , 2013, 275, 201-207.	3.1	66
12	Adsorption of chromate and cupric ions onto chitosan-coated cotton gauze. <i>Carbohydrate Polymers</i> , 2014, 110, 367-373.	5.1	63
13	Polyurethane resin-based adhesives: curing reaction and properties of cured systems. <i>International Journal of Adhesion and Adhesives</i> , 2005, 25, 87-91.	1.4	61
14	Pyrrrole chemical polymerization on textiles: Kinetics and operating conditions. <i>Journal of Applied Polymer Science</i> , 2006, 102, 4121-4126.	1.3	61
15	Adsorption of Methylene Blue on magnesium silicate: Kinetics, equilibria and comparison with other adsorbents. <i>Journal of Environmental Sciences</i> , 2010, 22, 467-473.	3.2	58
16	Antimicrobial chitosan finish of cotton and silk fabrics by UV-curing with 2-hydroxy-2-methylphenylpropane-1-one. <i>Carbohydrate Polymers</i> , 2012, 88, 201-205.	5.1	54
17	Hydrorepellent finishing of cotton fabrics by chemically modified TEOS based nanosol. <i>Cellulose</i> , 2013, 20, 355-364.	2.4	52
18	Multifunctional finishing of wool fabrics by chitosan UV-grafting: An approach. <i>Carbohydrate Polymers</i> , 2013, 98, 624-629.	5.1	50

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19	Sustainable antimicrobial finishing of cotton fabrics by chitosan UV-grafting: from laboratory experiments to semi industrial scale-up. <i>Journal of Cleaner Production</i> , 2015, 96, 244-252.	4.6	42
20	Thermal stability and flame resistance of polypyrrole-coated PET fibres. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 94, 559-565.	2.0	41
21	Alcohol-assisted dyeing processes: a chemical substitution study. <i>Journal of Cleaner Production</i> , 2011, 19, 1377-1384.	4.6	41
22	Water-repellent finishing of cotton fabrics by ultraviolet curing. <i>Journal of Applied Polymer Science</i> , 2008, 107, 810-818.	1.3	40
23	Hydrophobic sol-gel finishing for textiles: Improvement by plasma pre-treatment. <i>Textile Research Journal</i> , 2013, 83, 1190-1200.	1.1	39
24	Ultrasound-assisted dyeing of cellulose acetate. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1477-1481.	3.8	39
25	Chitosan coated cotton gauze for antibacterial water filtration. <i>Carbohydrate Polymers</i> , 2014, 103, 207-212.	5.1	37
26	Water and oil-repellent coatings of perfluoro-polyacrylate resins on cotton fibers: UV curing in comparison with thermal polymerization. <i>Fibers and Polymers</i> , 2012, 13, 191-198.	1.1	35
27	Glycerol in comparison with ethanol in alcohol-assisted dyeing. <i>Journal of Cleaner Production</i> , 2012, 33, 127-131.	4.6	34
28	FT-IR study of dopant-wool interactions during PPy deposition. <i>Fibers and Polymers</i> , 2006, 7, 105-111.	1.1	28
29	Cotton and polyester surface modification by methacrylic silane and fluorinated alkoxy silane via sol-gel and UV-curing coupled process. <i>Surface and Coatings Technology</i> , 2015, 271, 165-173.	2.2	28
30	Low temperature dyeing of wool fabric by acid dye after UV irradiation. <i>Journal of the Textile Institute</i> , 2014, 105, 1058-1064.	1.0	27
31	Enzyme-aided wool dyeing with a neutral protease at reduced temperatures. <i>Engineering in Life Sciences</i> , 2010, 10, 474-479.	2.0	23
32	Ultraviolet Curing for Surface Modification of Textile Fabrics. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8663-8669.	0.9	23
33	Wool Keratin Nanofibres for Copper(II) Adsorption. <i>Journal of Biobased Materials and Bioenergy</i> , 2012, 6, .	0.1	21
34	Dye removal from aqueous solution using coal fly ash for continuous flow adsorption. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 1907-1915.	2.1	21
35	Process Optimization and Industrial Scale-Up of Chitosan Based Anti-Felting Treatments of Wool. <i>Journal of Natural Fibers</i> , 2007, 4, 77-90.	1.7	19
36	Silk grafting with chitosan and crosslinking agents. <i>Fibers and Polymers</i> , 2010, 11, 185-192.	1.1	16

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37	Improving the surface properties of cellophane by air plasma treatment. <i>Surface and Coatings Technology</i> , 2006, 200, 4770-4776.	2.2	15
38	Functionalized fibrous materials for the removal of dyes. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 487-494.	2.1	15
39	Atmospheric continuous cold plasma treatment: Thermal and hydrodynamical diagnostics of a plasma jet pilot unit. <i>Chemical Engineering and Processing: Process Intensification</i> , 2010, 49, 65-69.	1.8	14
40	Differential dyeing of wool fabric with metal-complex dyes after ultraviolet irradiation. <i>Coloration Technology</i> , 2014, 130, 327-333.	0.7	14
41	Enzyme-aided wool dyeing: Influence of internal lipids. <i>Fibers and Polymers</i> , 2015, 16, 363-369.	1.1	14
42	Silk grafting with methacrylic and epoxy monomers: Thermal process in comparison with ultraviolet curing. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1019-1027.	1.3	13
43	Silk grafting with methacrylic monomers: Process optimization and comparison. <i>Journal of Applied Polymer Science</i> , 2007, 103, 4039-4046.	1.3	11
44	Modification of Surface Energy and Wetting of Textile Fibers. , 0, , .		10
45	Water and Oil Repellent Finishing of Textiles by UV Curing: Evaluation of the Influence of Scaled-Up Process Parameters. <i>Coatings</i> , 2017, 7, 60.	1.2	10
46	Novel Antimicrobial Agents and Processes for Textile Applications. , 0, , .		9
47	Influence of protease on dyeing of wool with acid dyes. <i>Open Chemistry</i> , 2011, 9, 157-164.	1.0	8
48	Cationic oligomerization of 3-methyl-1-butene catalyzed by BF ₃ -protonic donor complexes. <i>Polymer Bulletin</i> , 1985, 13, 245.	1.7	7
49	Synthesis of polybutadiene-acrylates and properties of the photocured films. <i>Progress in Organic Coatings</i> , 2005, 54, 337-343.	1.9	6
50	Calorimetric analysis of the cross-linking reaction of epoxidized polybutadienes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 83, 373-378.	2.0	6
51	Calorimetric analysis of the graft polymerization of maleic anhydride onto liquid polybutadienes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2004, 76, 1057-1067.	2.0	5
52	Solvent effect in grafting of liquid polybutadienes with maleic anhydride. <i>Progress in Organic Coatings</i> , 2005, 53, 50-55.	1.9	4
53	Xanthoproteic reaction for the evaluation of wool antifelting treatments. <i>Coloration Technology</i> , 2014, 130, 319-326.	0.7	4
54	Particle Size Analysis of Inorganic Dirt in Raw Wool. <i>Textile Research Journal</i> , 1988, 58, 526-530.	1.1	3

#	ARTICLE	IF	CITATIONS
55	UV Treatments on Cotton Fibers. , 0, , .		2
56	TOC removal from Methylene Blue aqueous solutions by adsorption and oxidation in the presence of coal fly ash. Desalination and Water Treatment, 2016, 57, 15843-15847.	1.0	1
57	Fibroin Grafting Onto Wool Fibers. , 2018, , 391-429.		1
58	Sol-Gel Process for Surface Modification of Leather. , 2017, , .		0