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List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,036
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361413

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times ranked

2267
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Hydrogen Peroxide on Disinfection and Soil Removal during Low-Temperature Household Laundry. <i>Molecules</i> , 2022, 27, 195.	3.8	2
2	Sustainable and cost-effective functionalization of textile surfaces with Ag-doped TiO ₂ /polysiloxane hybrid nanocomposite for UV protection, antibacterial and self-cleaning properties. <i>Applied Surface Science</i> , 2022, 595, 153521.	6.1	19
3	Recent advances in TiO ₂ -functionalized textile surfaces. <i>Surfaces and Interfaces</i> , 2021, 22, 100890.	3.0	64
4	New Insights into Antibacterial and Antifungal Properties, Cytotoxicity and Aquatic Ecotoxicity of Flame Retardant PA6/DOPO-Derivative Nanocomposite Textile Fibers. <i>Polymers</i> , 2021, 13, 905.	4.5	5
5	Influence of Titanium Dioxide Nanoparticles on Human Health and the Environment. <i>Nanomaterials</i> , 2021, 11, 2354.	4.1	65
6	Multifunctional antibacterial and ultraviolet protective cotton cellulose developed by in situ biosynthesis of silver nanoparticles into a polysiloxane matrix mediated by sumac leaf extract. <i>Applied Surface Science</i> , 2021, 563, 150361.	6.1	25
7	The influence of coating with aminopropyl triethoxysilane and CuO/Cu ₂ O nanoparticles on antimicrobial activity of cotton fabrics under dark conditions. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49194.	2.6	18
8	Antibacterial Activity and Biodegradation of Cellulose Fiber Blends with Incorporated ZnO. <i>Materials</i> , 2019, 12, 3399.	2.9	29
9	Smart Stimuli-Responsive Polylactic Acid-Hydrogel Fibers Produced via Electrospinning. <i>Fibers and Polymers</i> , 2019, 20, 1857-1868.	2.1	11
10	Proactive Release of Antimicrobial Essential Oil from a "Smart" Cotton Fabric. <i>Coatings</i> , 2019, 9, 242.	2.6	5
11	Biodegradation of cotton fabric impregnated with TiO ₂ nanoparticles. <i>Journal of the Serbian Chemical Society</i> , 2019, 84, 743-755.	0.8	5
12	Influence of non-thermal plasma treatment on the adsorption of a stimuli-responsive nanogel onto polyethylene terephthalate fabric. <i>Progress in Organic Coatings</i> , 2018, 120, 198-207.	3.9	9
13	Comparison of responsive behaviour of smart PLA fabrics applied with temperature and pH responsive microgel and nanogel. <i>Progress in Organic Coatings</i> , 2018, 124, 213-223.	3.9	6
14	Influence of the structure of a bio-barrier forming agent on the stimuli-response and antimicrobial activity of a "smart" non-cytotoxic cotton fabric. <i>Cellulose</i> , 2018, 25, 6231-6245.	4.9	5
15	Structural optimisation of a multifunctional water- and oil-repellent, antibacterial, and flame-retardant sol-gel coating on cellulose fibres. <i>Cellulose</i> , 2017, 24, 1511-1528.	4.9	22
16	Combining polyNiPAAm/chitosan microgel and bio-barrier polysiloxane matrix to create smart cotton fabric with responsive moisture management and antibacterial properties: influence of the application process. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 83, 19-34.	2.4	12
17	Embedment of silver into temperature- and pH-responsive microgel for the development of smart textiles with simultaneous moisture management and controlled antimicrobial activities. <i>Carbohydrate Polymers</i> , 2017, 159, 161-170.	10.2	31
18	The influence of corona treatment and impregnation with colloidal TiO ₂ nanoparticles on biodegradability of cotton fabric. <i>Cellulose</i> , 2017, 24, 4533-4545.	4.9	8

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19	Tailoring of temperature- and pH-responsive cotton fabric with antimicrobial activity: Effect of the concentration of a bio-barrier-forming agent. <i>Carbohydrate Polymers</i> , 2017, 174, 677-687.	10.2	6
20	Influence of the nanotechnological process of chemical modification on the antimicrobial activity and biodegradability of textile fibres. <i>Tekstilec</i> , 2017, 60, 14-24.	0.6	5
21	Influence of oxygen plasma pre-treatment on the water repellency of cotton fibers coated with perfluoroalkyl-functionalized polysilsesquioxane. <i>Fibers and Polymers</i> , 2016, 17, 695-704.	2.1	17
22	Biodegradability of oxygen-plasma treated cellulose textile functionalized with ZnO nanoparticles as antibacterial treatment. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 324002.	2.8	23
23	Fabrication of the hierarchically roughened bumpy-surface topography for the long-lasting highly oleophobic "lotus effect" on cotton fibres. <i>Cellulose</i> , 2016, 23, 3301-3318.	4.9	14
24	Application of Stimuli Responsive Microgel for Creation of Smart Cotton Fabric with Antibacterial Properties. <i>Tekstilec</i> , 2016, 59, 142-148.	0.6	2
25	Bacteriostatic photocatalytic properties of cotton modified with TiO ₂ and TiO ₂ /aminopropyltriethoxysilane. <i>Cellulose</i> , 2015, 22, 3441-3463.	4.9	20
26	Functionalization of cellulose fibres with DOPO-polysilsesquioxane flame retardant nanocoating. <i>Cellulose</i> , 2015, 22, 1893-1910.	4.9	112
27	Preparation of novel fibre "silica" Ag composites: the influence of fibre structure on sorption capacity and antimicrobial activity. <i>Journal of Materials Science</i> , 2014, 49, 3785-3794.	3.7	16
28	Multifunctional superhydrophobic/oleophobic and flame-retardant cellulose fibres with improved ice-releasing properties and passive antibacterial activity prepared via the sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 70, 385-399.	2.4	33
29	Novel multifunctional water- and oil-repellent, antibacterial, and flame-retardant cellulose fibres created by the sol-gel process. <i>Cellulose</i> , 2014, 21, 2611-2623.	4.9	43
30	Tailoring of multifunctional cellulose fibres with "lotus effect" and flame retardant properties. <i>Cellulose</i> , 2014, 21, 595-605.	4.9	14
31	Characterisation and functional properties of antimicrobial bio-barriers formed by natural fibres. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 72-78.	5.0	13
32	Antimicrobial wool, polyester and a wool/polyester blend created by silver particles embedded in a silica matrix. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 517-522.	5.0	28
33	The surface modification of cellulose fibres to create super-hydrophobic, oleophobic and self-cleaning properties. <i>Cellulose</i> , 2013, 20, 277-289.	4.9	91
34	Antimicrobial cotton fibres prepared by in situ synthesis of AgCl into a silica matrix. <i>Cellulose</i> , 2012, 19, 1715-1729.	4.9	35
35	Functionalization of cotton with poly-NiPAAm/chitosan microgel: Part II. Stimuli-responsive liquid management properties. <i>Cellulose</i> , 2012, 19, 273-287.	4.9	28
36	Multifunctional water and oil repellent and antimicrobial properties of finished cotton: influence of sol-gel finishing procedure. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 61, 340-354.	2.4	56

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37	Sol-gel technology for functional finishing of PES fabric by stimuli-responsive microgel. Journal of Sol-Gel Science and Technology, 2012, 61, 463-476.	2.4	12
38	Biodegradation of silver functionalised cellulose fibres. Carbohydrate Polymers, 2010, 80, 426-435.	10.2	60
39	Antimicrobial activity of AgCl embedded in a silica matrix on cotton fabric. Carbohydrate Polymers, 2009, 75, 618-626.	10.2	134
40	Structural Properties and Antibacterial Effects of Hydrophobic and Oleophobic Sol-Gel Coatings for Cotton Fabrics. Langmuir, 2009, 25, 5869-5880.	3.5	180
41	Surface properties of cellulose modified by imidazolidinone. Cellulose, 2008, 15, 47-58.	4.9	15
42	Sol-gel coating of cellulose fibres with antimicrobial and repellent properties. Journal of Sol-Gel Science and Technology, 2008, 47, 44-57.	2.4	151
43	Biodegradability of cellulose fabric modified by imidazolidinone. Carbohydrate Polymers, 2007, 69, 478-488.	10.2	94
44	Biodegradation of cellulose fibers functionalized with CuO/Cu ₂ O nanoparticles in combination with polycarboxylic acids. Cellulose, 0, , 1.	4.9	6