

Giuseppe Rosace

List of Publications by Year in descending order

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73
papers

2,295
citations

172457

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223800

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docs citations

76
times ranked

1720
citing authors

#	ARTICLE	IF	CITATIONS
1	A Time-Course Study on a Food Contact Material (FCM)-Certified Coating Based on Titanium Oxide Deposited onto Aluminum. <i>Biology</i> , 2022, 11, 97.	2.8	0
2	Surface Modification of Polyester/Viscose Fabric with Silica Hydrosol and Amino-Functionalized Polydimethylsiloxane for the Preparation of a Fluorine-Free Superhydrophobic and Breathable Textile. <i>Coatings</i> , 2022, 12, 398.	2.6	13
3	Alizarin-functionalized organic-inorganic silane coatings for the development of wearable textile sensors. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 463-477.	9.4	11
4	Preparation and Characterization of 3D-Printed Biobased Composites Containing Micro- or Nanocrystalline Cellulose. <i>Polymers</i> , 2022, 14, 1886.	4.5	14
5	Sol-Gel Assisted Immobilization of Alizarin Red S on Polyester Fabrics for Developing Stimuli-Responsive Wearable Sensors. <i>Polymers</i> , 2022, 14, 2788.	4.5	10
6	Electrically conductive cotton fabric coatings developed by silica sol-gel precursors doped with surfactant-aided dispersion of vertically aligned carbon nanotubes fillers in organic solvent-free aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 120-134.	9.4	24
7	Enhancement of acid dyestuff salt-free fixation by a cationizing sol-gel based coating for cotton fabric. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125984.	4.7	5
8	Antibacterial Effect of Stainless Steel Surfaces Treated with a Nanotechnological Coating Approved for Food Contact. <i>Microorganisms</i> , 2021, 9, 248.	3.6	12
9	Development of a Nitrazine Yellow-glycidyl methacrylate coating onto cotton fabric through thermal-induced radical polymerization reactions: a simple approach towards wearable pH sensors applications. <i>Cellulose</i> , 2021, 28, 3847-3868.	4.9	10
10	Gold Derivatives Development as Prospective Anticancer Drugs for Breast Cancer Treatment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2089.	2.5	10
11	Nanostructured Surface Finishing and Coatings: Functional Properties and Applications. <i>Materials</i> , 2021, 14, 2733.	2.9	23
12	The Different Facets of Triclocarban: A Review. <i>Molecules</i> , 2021, 26, 2811.	3.8	40
13	Photosensitive acrylates containing bio-based epoxy-acrylate soybean oil for 3D printing application. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51292.	2.6	13
14	Nanomaterials for 3D Printing of Polymers via Stereolithography: Concept, Technologies, and Applications. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100345.	3.6	21
15	Time-Course Study of the Antibacterial Activity of an Amorphous SiO _x CyHz Coating Certified for Food Contact. <i>Antibiotics</i> , 2021, 10, 901.	3.7	3
16	Synthesis, Chemical-Physical Characterization, and Biomedical Applications of Functional Gold Nanoparticles: A Review. <i>Molecules</i> , 2021, 26, 5823.	3.8	54
17	Sol-gel approach to incorporate millimeter-long carbon nanotubes into fabrics for the development of electrical-conductive textiles. <i>Materials Chemistry and Physics</i> , 2020, 240, 122218.	4.0	23
18	Sol-Gel Treatment of Textiles for the Entrapping of an Antioxidant/Anti-Inflammatory Molecule: Functional Coating Morphological Characterization and Drug Release Evaluation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2287.	2.5	20

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19	Surface Functionalization of Cotton Fabrics by Photo-Grafting for pH Sensing Applications. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	15
20	Recent trends in smart textiles: Wearable sensors and drug release systems. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	10
21	Synthesis and characterization of a phosphorous/nitrogen based sol-gel coating as a novel halogen- and formaldehyde-free flame retardant finishing for cotton fabric. <i>Polymer Degradation and Stability</i> , 2019, 162, 148-159.	5.8	98
22	Inhibition of Human Topoisomerase II by <i>N,N,N</i> -Trimethylethanammonium Iodide Alkylcarbazole Derivatives. <i>ChemMedChem</i> , 2018, 13, 2635-2643.	3.2	28
23	Thermal and flame retardant behaviour of cotton fabrics treated with a novel nitrogen-containing carboxyl-functionalized organophosphorus system. <i>Carbohydrate Polymers</i> , 2018, 196, 348-358.	10.2	91
24	Carbon nanotubes textile coating for the development of wearable sensors. , 2018, , .		0
25	Design and development of wearable sensing nanomaterials for smart textiles. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	19
26	Vinylphosphonic acid/methacrylamide system as a durable intumescent flame retardant for cotton fabric. <i>Cellulose</i> , 2017, 24, 3095-3108.	4.9	43
27	Structural and morphological characterizations of MWCNTs hybrid coating onto cotton fabric as potential humidity and temperature wearable sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 428-439.	7.8	69
28	Thermal behaviour and flame retardancy of monoethanolamine-doped sol-gel coatings of cotton fabric. <i>Progress in Organic Coatings</i> , 2017, 103, 174-181.	3.9	91
29	Sol-gel 3-glycidoxypropyltriethoxysilane finishing on different fabrics: The role of precursor concentration and catalyst on the textile performances and cytotoxic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 504-517.	9.4	35
30	Effect of GPTMS functionalization on the improvement of the pH-sensitive methyl red photostability. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 281-291.	7.8	44
31	Halochromic resorufin-GPTMS hybrid sol-gel: Chemical-physical properties and use as pH sensor fabric coating. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 85-95.	7.8	55
32	Intumescent flame retardant properties of graft copolymerized vinyl monomers onto cotton fabric. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 254, 122009.	0.6	2
33	Ceramic coatings for water-repellent textiles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 254, 122002.	0.6	5
34	Phosphorus-Silica Sol-Gel Hybrid Coatings for Flame Retardant Cotton Fabrics. <i>Tekstilec</i> , 2017, 60, 29-35.	0.6	4
35	Influence of Textile Structure and Silica Based Finishing on Thermal Insulation Properties of Cotton Fabrics. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-10.	2.7	21
36	Delayed luminescence induced by complex domains in water and in TEOS aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 772-780.	2.8	5

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37	Optical monitoring of sweat pH by a textile fabric wearable sensor based on covalently bonded litmus-3-glycidoxypropyltrimethoxysilane coating. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 213-220.	7.8	142
38	Flame Retardant Finishing for Textiles. <i>Engineering Materials</i> , 2015, , 209-246.	0.6	18
39	Hydrophobic behaviour of non-fluorinated sol-gel based cotton and polyester fabric coatings. <i>Journal of Industrial Textiles</i> , 2015, 44, 815-834.	2.4	37
40	Innovative sol-gel route in neutral hydroalcoholic condition to obtain antibacterial cotton finishing by zinc precursor. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 151-160.	2.4	37
41	Radiation protection finishes for textiles. , 2015, , 487-512.		4
42	A Comparative Analysis of Nanoparticle Adsorption as Fire-Protection Approach for Fabrics. <i>Polymers</i> , 2015, 7, 47-68.	4.5	42
43	A Wearable Sweat pH and Body Temperature Sensor Platform for Health, Fitness, and Wellness Applications. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 431-434.	0.4	9
44	Sol-gel derived architectures for enhancing cotton flame retardancy: Effect of pure and phosphorus-doped silica phases. <i>Polymer Degradation and Stability</i> , 2014, 99, 92-98.	5.8	67
45	Influence of catalyst in the synthesis of a cellulose-based sensor: Kinetic study of 3-glycidoxypropyltrimethoxysilane epoxy ring opening by Lewis acid. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 213-222.	7.8	44
46	Thermal stability and flame retardancy of polyester fabrics sol-gel treated in the presence of boehmite nanoparticles. <i>Polymer Degradation and Stability</i> , 2013, 98, 1609-1616.	5.8	51
47	A novel sol-gel multi-layer approach for cotton fabric finishing by tetraethoxysilane precursor. <i>Surface and Coatings Technology</i> , 2013, 235, 192-203.	4.8	59
48	A wearable sensor platform to monitor sweat pH and skin temperature. , 2013, , .		7
49	High sensitivity measurements of thermal properties of textile fabrics. <i>Polymer Testing</i> , 2013, 32, 1029-1036.	4.8	20
50	Phosphorus- and nitrogen-doped silica coatings for enhancing the flame retardancy of cotton: Synergisms or additive effects?. <i>Polymer Degradation and Stability</i> , 2013, 98, 579-589.	5.8	87
51	The role of pre-hydrolysis on multi step sol-gel processes for enhancing the flame retardancy of cotton. <i>Cellulose</i> , 2013, 20, 525-535.	4.9	44
52	Thermal and fire stability of cotton fabrics coated with hybrid phosphorus-doped silica films. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 1207-1216.	3.6	78
53	Hybrid phosphorus-doped silica architectures derived from a multistep sol-gel process for improving thermal stability and flame retardancy of cotton fabrics. <i>Polymer Degradation and Stability</i> , 2012, 97, 1334-1344.	5.8	80
54	Development of a textile-optoelectronic pH meter based on hybrid xerogel doped with Methyl Red. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 1013-1021.	7.8	50

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55	Photocatalytic properties and optical characterization of cotton fabric coated via sol-gel with non-crystalline TiO ₂ modified with poly(ethylene glycol). <i>Surface and Coatings Technology</i> , 2012, 207, 79-88.	4.8	44
56	Low power textile-based wearable sensor platform for pH and temperature monitoring with wireless battery recharge. , 2012, , .		5
57	Textile Based Colorimetric pH Sensing: A Platform for Future Wearable pH Monitoring. , 2012, , .		7
58	Novel cellulose and polyamide halochromic textile sensors based on the encapsulation of Methyl Red into a sol-gel matrix. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 27-34.	7.8	81
59	Thermal properties and combustion behavior of POSS-and bohemite-finished cotton fabrics. <i>Journal of Applied Polymer Science</i> , 2012, 123, 426-436.	2.6	32
60	Dendrimer finishing influence on CO/PES blended fabrics color assessment. <i>Journal of Applied Polymer Science</i> , 2011, 120, 2122-2129.	2.6	8
61	Poly-dimethylsiloxane derivates side chains effect on syntan functionalized Polyamide fabric. <i>Applied Surface Science</i> , 2011, 257, 3904-3912.	6.1	3
62	Effect of hybrid phosphorus-doped silica thin films produced by sol-gel method on the thermal behavior of cotton fabrics. <i>Polymer Degradation and Stability</i> , 2011, 96, 483-490.	5.8	131
63	Plasma enhanced CVD of SiO _x CyHz thin film on different textile fabrics: Influence of exposure time on the abrasion resistance and mechanical properties. <i>Applied Surface Science</i> , 2010, 256, 2509-2516.	6.1	37
64	Influence of low-temperature plasma conditions on wicking properties of PA/PU knitted fabric. <i>Journal of Applied Polymer Science</i> , 2008, 107, 3702-3706.	2.6	6
65	Decomposition of a phthalocyanine dye in various conditions under UV or visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 135-140.	3.9	15
66	5-Phenyl-9H-1,3-dioxolo[4,5-h][2,3]benzodiazepin-8(7H)-one. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o117-o119.	0.4	2
67	4-[4-(Dimethylamino)benzylideneamino]-3,5-bis(2-pyridyl)-4H-1,2,4-triazole. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o390-o391.	0.4	5
68	(η^3 -Allyl-2 η^3 C)(chloro-1 η^3 Cl)($\eta^1/4$ -N,N ϵ^2 -diethyldithioamidato-1:2 η^4 S,S ϵ^2 :N,N ϵ^2)[diphenyl(2-pyridyl)phosphine-1 η^3 P]palladium(II)platinochloroform solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, m316-m318.	0.4	5
69	N,N ϵ^2 -Dibenzylthioamide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, o608-o609.	0.4	0
70	Luminescence Properties of Platinum(II) Dithioamide Compounds. <i>Inorganic Chemistry</i> , 1996, 35, 6816-6822.	4.0	31
71	Organoplatinum(II) complexes containing disubstituted dithioamides: Evidence for an S,S ϵ^2 Pt coordinated neutral dithioamide acting as an anion binding agent. <i>Inorganica Chimica Acta</i> , 1994, 227, 63-69.	2.4	14
72	Evidence for an unexpected chiral axis in tetraethyldithioamide and in its platinum(II) coordination and organometallic complexes.. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 2311-2314.	1.8	8

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73	Platinum(II) complexes of N,N'-di-nbutyldithioamide showing a peculiar $+N\text{---}H\cdots Cl^-$ interaction. The crystal and molecular structure of bis-di-nbutyldithioamidato-platinum(II). <i>Inorganica Chimica Acta</i> , 1993, 208, 59-65.	2.4	21