

Songmin Shang

List of Publications by Year in descending order

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154
papers

6,455
citations

57719

44
h-index

76872

74
g-index

155
all docs

155
docs citations

155
times ranked

8898
citing authors

#	ARTICLE	IF	CITATIONS
1	Well-Dispersed Chitosan/Graphene Oxide Nanocomposites. ACS Applied Materials & Interfaces, 2010, 2, 1707-1713.	4.0	681
2	Synthesis and characterization of layer-aligned poly(vinyl alcohol)/graphene nanocomposites. Polymer, 2010, 51, 3431-3435.	1.8	338
3	Highly durable all-fiber nanogenerator for mechanical energy harvesting. Energy and Environmental Science, 2013, 6, 2631.	15.6	317
4	Protic Ionic Liquid-Based Hybrid Proton-Conducting Membranes for Anhydrous Proton Exchange Membrane Application. Chemistry of Materials, 2010, 22, 1807-1813.	3.2	192
5	Konjac glucomannan/graphene oxide hydrogel with enhanced dyes adsorption capability for methyl blue and methyl orange. Applied Surface Science, 2015, 357, 866-872.	3.1	172
6	Catalytic ozonation of simulated textile dyeing wastewater using mesoporous carbon aerogel supported copper oxide catalyst. Journal of Cleaner Production, 2016, 112, 4710-4718.	4.6	160
7	High stretchable MWNTs/polyurethane conductive nanocomposites. Journal of Materials Chemistry, 2011, 21, 7274.	6.7	143
8	Facile preparation of graphene nanoribbon filled silicone rubber nanocomposite with improved thermal and mechanical properties. Composites Part B: Engineering, 2015, 69, 237-242.	5.9	114
9	Wearable strain sensing textile based on one-dimensional stretchable and weavable yarn sensors. Nano Research, 2018, 11, 5799-5811.	5.8	99
10	Regeneration and reuse of highly polluting textile dyeing effluents through catalytic ozonation with carbon aerogel catalysts. Journal of Cleaner Production, 2016, 137, 1055-1065.	4.6	97
11	Highly transparent and infrared reflective AZO/Ag/AZO multilayer film prepared on PET substrate by RF magnetron sputtering. Vacuum, 2014, 106, 1-4.	1.6	93
12	Synthesis of polypyrrole nanocomposites decorated with silver nanoparticles with electrocatalysis and antibacterial property. Composites Part B: Engineering, 2015, 69, 232-236.	5.9	93
13	Hydrothermal synthesis of magnetic CoFe ₂ O ₄ /graphene nanocomposites with improved photocatalytic activity. Applied Surface Science, 2015, 351, 140-147.	3.1	89
14	Carbon nanotubes based high temperature vulcanized silicone rubber nanocomposite with excellent elasticity and electrical properties. Composites Part A: Applied Science and Manufacturing, 2014, 66, 135-141.	3.8	88
15	Easy synthesis of carbon nanotubes with polypyrrole nanotubes as the carbon precursor. Polymer, 2009, 50, 2815-2818.	1.8	86
16	Physical properties of silk fibroin/cellulose blend films regenerated from the hydrophilic ionic liquid. Carbohydrate Polymers, 2011, 86, 462-468.	5.1	84
17	Visible light induced methylene blue dye degradation photo-catalyzed by WO ₃ /graphene nanocomposites and the mechanism. Ceramics International, 2016, 42, 15235-15241.	2.3	84
18	Microwave-assisted deposition of silver nanoparticles on bamboo pulp fabric through dopamine functionalization. Applied Surface Science, 2016, 386, 151-159.	3.1	83

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19	Controlled growth of polypyrrole hydrogels. <i>Soft Matter</i> , 2013, 9, 2832.	1.2	82
20	Graphene nanoribbon coated flexible and conductive cotton fabric. <i>Composites Science and Technology</i> , 2015, 117, 208-214.	3.8	79
21	High Performance Cross-Linked Poly(2-acrylamido-2-methylpropanesulfonic acid)-Based Proton Exchange Membranes for Fuel Cells. <i>Macromolecules</i> , 2010, 43, 6398-6405.	2.2	78
22	Intermolecular interactions between natural polysaccharides and silk fibroin protein. <i>Carbohydrate Polymers</i> , 2013, 93, 561-573.	5.1	78
23	Preparation of superhydrophobic and UV blocking cotton fabric via sol-gel method and self-assembly. <i>Applied Surface Science</i> , 2012, 259, 110-117.	3.1	74
24	Quantifying Energy Harvested from Contact-Mode Hybrid Nanogenerators with Cascaded Piezoelectric and Triboelectric Units. <i>Advanced Energy Materials</i> , 2017, 7, 1601569.	10.2	69
25	Layer-structured poly(vinyl alcohol)/graphene oxide nanocomposites with improved thermal and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2011, 120, 1355-1360.	1.3	67
26	Self-assembly of polypyrrole/chitosan composite hydrogels. <i>Carbohydrate Polymers</i> , 2013, 95, 72-76.	5.1	67
27	Synthesis of sandwich microstructured expanded graphite/barium ferrite connected with carbon nanotube composite and its electromagnetic wave absorbing properties. <i>Journal of Alloys and Compounds</i> , 2017, 712, 59-68.	2.8	62
28	A self-adapting hydrogel based on chitosan/oxidized konjac glucomannan/AgNPs for repairing irregular wounds. <i>Biomaterials Science</i> , 2020, 8, 1910-1922.	2.6	62
29	Nonvolatile memory devices based on electrical conductance tuning in poly(N-vinylcarbazole)-graphene composites. <i>Organic Electronics</i> , 2012, 13, 1289-1295.	1.4	61
30	Microstructures and electrical conductance of silver nanocrystalline thin films on flexible polymer substrates. <i>Surface and Coatings Technology</i> , 2010, 204, 1206-1210.	2.2	59
31	Infrared reflective properties of AZO/Ag/AZO trilayers prepared by RF magnetron sputtering. <i>Ceramics International</i> , 2014, 40, 12847-12853.	2.3	59
32	Preparation of durable hydrophobic cellulose fabric from water glass and mixed organosilanes. <i>Applied Surface Science</i> , 2010, 257, 1495-1499.	3.1	56
33	Impact of vinyl concentration of a silicone rubber on the properties of the graphene oxide filled silicone rubber composites. <i>Composites Part B: Engineering</i> , 2016, 84, 294-300.	5.9	56
34	Synthesis of polymeric ionic liquid microsphere/Pt nanoparticle hybrids for electrocatalytic oxidation of methanol and catalytic oxidation of benzyl alcohol. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4531-4538.	2.5	55
35	The synthesis of graphene nanoribbon and its reinforcing effect on poly (vinyl alcohol). <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 68, 149-154.	3.8	55
36	Polymethylmethacrylate-carbon nanotubes composites prepared by microemulsion polymerization for gas sensor. <i>Composites Science and Technology</i> , 2009, 69, 1156-1159.	3.8	53

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37	Microwave-assisted synthesis of Mn ₃ O ₄ nanoparticles@reduced graphene oxide nanocomposites for high performance supercapacitors. <i>Materials Research Bulletin</i> , 2015, 70, 945-950.	2.7	53
38	In situ synthesis of interlinked three-dimensional graphene foam/polyaniline nanorod supercapacitor. <i>Electrochimica Acta</i> , 2017, 230, 342-349.	2.6	53
39	Synthesis and electromagnetic wave absorption property of amorphous carbon nanotube networks on a 3D graphene aerogel/BaFe ₁₂ O ₁₉ nanocomposite. <i>Journal of Alloys and Compounds</i> , 2017, 708, 115-122.	2.8	50
40	Graphene oxide incorporated alginate hydrogel beads for the removal of various organic dyes and bisphenol A in water. <i>Colloid and Polymer Science</i> , 2018, 296, 607-615.	1.0	49
41	Fabrication and characterization of free-standing polypyrrole/graphene oxide nanocomposite paper. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	46
42	Assembly of polypyrrole nanotube@MnO ₂ composites with an improved electrochemical capacitance. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 198, 51-56.	1.7	46
43	Improvement of carbon nanotubes dispersion by chitosan salt and its application in silicone rubber. <i>Composites Science and Technology</i> , 2013, 86, 129-134.	3.8	45
44	Biodegradable Microporous Starch with Assembled Thrombin for Rapid Induction of Hemostasis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9121-9132.	3.2	45
45	Investigation on the electrical response behaviors of multiwalled carbon nanotube/polyurethane composite in organic solvent vapors. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 330-337.	4.0	43
46	Rapid and highly sensitive SERS detection of fungicide based on flexible "wash free" metallic textile. <i>Applied Surface Science</i> , 2020, 512, 144693.	3.1	43
47	Enhanced washing durability of hydrophobic coating on cellulose fabric using polycarboxylic acids. <i>Applied Surface Science</i> , 2011, 257, 4443-4448.	3.1	42
48	Effect of heat treatment on infrared reflection property of Al-doped ZnO films. <i>Solar Energy Materials and Solar Cells</i> , 2014, 127, 163-168.	3.0	42
49	Characterization of AZO and Ag based films prepared by RF magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2014, 616, 26-31.	2.8	41
50	In-situ growth amorphous carbon nanotube on silicon particles as lithium-ion battery anode materials. <i>Journal of Alloys and Compounds</i> , 2017, 708, 500-507.	2.8	41
51	Fabrication of conductive and flame-retardant bifunctional cotton fabric by polymerizing pyrrole and doping phytic acid. <i>Polymer Degradation and Stability</i> , 2019, 167, 277-282.	2.7	41
52	Flexible, Reusable SERS Substrate Derived from ZIF-67 by Adjusting LUMO and HOMO and Its Application in Identification of Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49452-49463.	4.0	41
53	Electromagnetic wave absorbing properties of aligned amorphous carbon nanotube/BaFe ₁₂ O ₁₉ nanorod composite. <i>Journal of Alloys and Compounds</i> , 2017, 703, 424-430.	2.8	40
54	Removal of Reactive Dyes in Textile Effluents by Catalytic Ozonation Pursuing on-Site Effluent Recycling. <i>Molecules</i> , 2019, 24, 2755.	1.7	40

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55	Flexible and reusable cap-like thin Fe ₂ O ₃ film for SERS applications. <i>Nano Research</i> , 2019, 12, 381-388.	5.8	39
56	Minimizing antibiotic dosage through in situ formation of gold nanoparticles across antibacterial wound dressings: A facile approach using silk fabric as the base substrate. <i>Journal of Cleaner Production</i> , 2020, 243, 118604.	4.6	38
57	Stress-memory polymeric filaments for advanced compression therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1905-1916.	2.9	37
58	Novel wound dressing with chitosan gold nanoparticles capped with a small molecule for effective treatment of multiantibiotic-resistant bacterial infections. <i>Nanotechnology</i> , 2018, 29, 425603.	1.3	36
59	Synthesis and characterization of poly(3-methyl thiophene) nanospheres in magnetic ionic liquid. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 415-418.	5.0	34
60	Photo-thermal conversion and thermal insulation properties of ZrC coated polyester fabric. <i>Fibers and Polymers</i> , 2017, 18, 1938-1944.	1.1	34
61	Facile preparation of water dispersible polypyrrole nanotube-supported silver nanoparticles for hydrogen peroxide reduction and surface-enhanced Raman scattering. <i>Electrochimica Acta</i> , 2012, 75, 399-405.	2.6	33
62	Vapor phase polymerization of 3,4-ethylenedioxythiophene on flexible substrate and its application on heat generation. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1049-1055.	1.6	32
63	Fabrication of Ag and AZO/Ag/AZO ceramic films on cotton fabrics for solar control. <i>Ceramics International</i> , 2015, 41, 6312-6317.	2.3	32
64	Piezocatalytic Foam for Highly Efficient Degradation of Aqueous Organics. <i>Small Science</i> , 2021, 1, 2000011.	5.8	32
65	Water-repellency, ultraviolet protection and infrared emissivity properties of AZO film on polyester fabric. <i>Ceramics International</i> , 2017, 43, 2424-2430.	2.3	31
66	AgNps-PVA-coated woven cotton fabric: Preparation, water repellency, shielding properties and antibacterial activity. <i>Journal of Industrial Textiles</i> , 2019, 48, 1545-1565.	1.1	31
67	Covalently functionalized graphene with -glucose and its reinforcement to poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	30
68	Fabrication of high infrared reflective ceramic films on polyester fabrics by RF magnetron sputtering. <i>Ceramics International</i> , 2015, 41, 1595-1601.	2.3	27
69	Magnetron sputtering deposition of Ag/Ag ₂ O bilayer films for highly efficient color generation on fabrics. <i>Ceramics International</i> , 2020, 46, 13342-13349.	2.3	27
70	Crystallization behavior of poly(trimethylene terephthalate)-poly(ethylene glycol) segmented copolyesters/multi-walled carbon nanotube nanocomposites. <i>Polymer Testing</i> , 2010, 29, 1007-1013.	2.3	26
71	Fabrication of copper and titanium coated textiles for sunlight management. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9852-9858.	1.1	24
72	Surface characterization of sputter silver-coated polyester fiber. <i>Fibers and Polymers</i> , 2011, 12, 616-619.	1.1	23

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73	Fabrication of silk fibroin/poly(lactic-co-glycolic acid)/graphene oxide microfiber mat via electrospinning for protective fabric. <i>Materials Science and Engineering C</i> , 2020, 107, 110308.	3.8	23
74	Intermolecular interaction in aqueous solution of binary blends of poly(acrylamide) and poly(ethylene glycol). <i>Journal of Applied Polymer Science</i> , 2010, 118, 2572-2581.	1.3	22
75	Direct in situ synthesis of a 3D interlinked amorphous carbon nanotube/graphene/BaFe ₁₂ O ₁₉ composite and its electromagnetic wave absorbing properties. <i>RSC Advances</i> , 2017, 7, 15903-15910.	1.7	22
76	Transparent conductive and infrared reflective AZO/Cu/AZO multilayer film prepared by RF magnetron sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 5248-5254.	1.1	21
77	Fabrication of 3D Polypyrrole/Graphene Oxide Composite Hydrogels with High Performance Swelling Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 884-889.	1.9	21
78	Enhanced electro-conductivity and multi-shielding performance with copper, stainless steel and titanium coating onto PVA impregnated cotton fabric. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5624-5633.	1.1	21
79	Flexible, stable and sensitive surface-enhanced Raman scattering of graphite/titanium-cotton substrate for conformal rapid food safety detection. <i>Cellulose</i> , 2020, 27, 941-954.	2.4	21
80	Highly Stretchable Conductive Polymer Composited with Carbon Nanotubes and Nanospheres. <i>Advanced Materials Research</i> , 2010, 123-125, 109-112.	0.3	20
81	Assembly of Polypyrrole-Graphene Oxide Hydrogel Nanocomposites and Their Swelling Properties. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 1122-1131.	0.4	20
82	Facial synthesis of polypyrrole/silver nanocomposites at the water/ionic liquid interface and their electrochemical properties. <i>Materials Letters</i> , 2010, 64, 1918-1920.	1.3	19
83	Magnetic ionic liquid-assisted synthesis of polyaniline/AgCl nanocomposites by interface polymerization. <i>Journal of Nanoparticle Research</i> , 2011, 13, 415-421.	0.8	19
84	Fabrication of porous and amorphous TiO ₂ thin films on flexible textile substrates. <i>Ceramics International</i> , 2015, 41, 9177-9182.	2.3	18
85	Designing of advanced smart medical stocking using stress-memory polymeric filaments for pressure control and massaging. <i>Materials Science and Engineering C</i> , 2018, 91, 263-273.	3.8	18
86	Preparation and characterization of shielding textiles to prevent infrared penetration with Ag thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3542-3547.	1.1	17
87	Co ²⁺ /N-Codoped Carbon/Co@Carbon Cloth Hybrid Derived from ZIF-67 for the Oxygen Evolution Reaction and Supercapacitors. <i>Energy & Fuels</i> , 2020, 34, 13023-13031.	2.5	17
88	One-pot synthesis of polypyrrole/AgCl composite nanotubes and their antibacterial properties. <i>Micro and Nano Letters</i> , 2015, 10, 50-53.	0.6	16
89	Microwave-assisted coating of silver nanoparticles on bamboo rayon fabrics modified with poly(diallyldimethylammonium chloride). <i>Cellulose</i> , 2016, 23, 2677-2688.	2.4	16
90	Preparation and characterization of Fe ₂ O ₃ coating on quartz fabric by electron beam evaporation. <i>Ceramics International</i> , 2016, 42, 19386-19392.	2.3	16

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91	The stability study of copper sputtered polyester fabrics in synthetic perspiration. <i>Vacuum</i> , 2019, 164, 205-211.	1.6	16
92	The influence of metal ions on the aggregation and hydrophobicity of dyes in solutions. <i>Coloration Technology</i> , 1999, 115, 228-232.	0.7	15
93	Stability of two-phase polymerization of acrylamide in aqueous poly(ethylene glycol) solution. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1121-1133.	1.3	15
94	IR protection property and color performance of TiO ₂ /Cu/TiO ₂ coated polyester fabrics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 16188-16198.	1.1	15
95	Solar heat shielding performance of potassium titanate whisker coated polypropylene fabric based on a bionic method. <i>Composites Part B: Engineering</i> , 2019, 177, 107408.	5.9	14
96	Flexible and reusable SERS substrate for rapid conformal detection of residue on irregular surface. <i>Cellulose</i> , 2021, 28, 921-936.	2.4	14
97	Reducing silk fibrillation through MMA graft method. <i>Fibers and Polymers</i> , 2009, 10, 807-812.	1.1	13
98	Vapor-phase polymerization of pyrrole on flexible substrate at low temperature and its application in heat generation. <i>Polymer International</i> , 2010, 59, 204-211.	1.6	13
99	Memory effect in polymer brushes containing pendant carbazole groups. <i>Polymer</i> , 2011, 52, 1385-1390.	1.8	13
100	Fabrication of conducting polypyrrole/ β -cyclodextrin nano- and micro-spheres using molecular templates. <i>RSC Advances</i> , 2012, 2, 4675.	1.7	13
101	Synthesis and Properties of Polypyrrole/Chitosan Composite Hydrogels. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 1225-1229.	1.2	13
102	Process control in dyeing of textiles. , 2013, , 300-338.		13
103	Fabrication of Ag thin film on polyester fabric by roll to roll magnetron sputtering system. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3364-3369.	1.1	13
104	Regulating wound moisture for accelerated healing: A strategy for the continuous drainage of wound exudates by mimicking plant transpiration. <i>Chemical Engineering Journal</i> , 2022, 429, 131964.	6.6	13
105	The potential of cuttlebone as reinforced filler of polyurethane. <i>Composites Science and Technology</i> , 2014, 93, 17-22.	3.8	12
106	Crystallization temperature investigation of Cu ₂ ZnSnS ₄ by using Differential scanning calorimetry (DSC). <i>Ceramics International</i> , 2018, 44, 4256-4261.	2.3	12
107	A stable, ultrasensitive and flexible substrate integrated from 1D Ag/ β -Fe ₂ O ₃ /SiO ₂ fibers for practical surface-enhanced Raman scattering detection. <i>Composites Part B: Engineering</i> , 2019, 177, 107376.	5.9	12
108	Flexible Ag SERS substrate for non-destructive and rapid detection of toxic materials on irregular surface. <i>Surfaces and Interfaces</i> , 2021, 23, 100995.	1.5	12

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109	Sensing behaviors of polymer/carbon nanotubes composites prepared in reversed microemulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2011, 119, 1842-1847.	1.3	11
110	Infrared reflective property of AZO films prepared by RF magnetron sputtering. <i>Materials Technology</i> , 2014, 29, 321-325.	1.5	11
111	Fabrication of high infrared reflective AZO/Ag/AZO films on polyester fabrics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1198-1204.	1.1	11
112	Minimizing Freshwater Consumption in the Wash-Off Step in Textile Reactive Dyeing by Catalytic Ozonation with Carbon Aerogel Hosted Bimetallic Catalyst. <i>Polymers</i> , 2018, 10, 193.	2.0	11
113	Mimicking Saharan silver antelope's hair: A bionic solar heat shielding architextile with hexagonal ZnO microrods coating. <i>Materials Letters</i> , 2020, 261, 127013.	1.3	11
114	Effect of sodium-doping on the performance of CZTS absorb layer: Single and bifacial sodium-incorporation method. <i>Solar Energy</i> , 2021, 221, 476-482.	2.9	11
115	Alginic acid/graphene oxide hydrogel film coated functional cotton fabric for controlled release of matrine and oxymatrine. <i>RSC Advances</i> , 2016, 6, 76420-76425.	1.7	10
116	Fabrication and characterization of copper coated polyamide-6 fibers with magnetron sputtering technology. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 18936-18943.	1.1	10
117	Effects of element ratio on robustness of CZTS films: Variations in sulfurization temperature. <i>Ceramics International</i> , 2020, 46, 25927-25934.	2.3	10
118	Ag@ZIF-67 decorated cotton fabric as flexible, stable and sensitive SERS substrate for label-free detection of phenol-soluble modulin. <i>Cellulose</i> , 2021, 28, 7389-7404.	2.4	10
119	Cooling performance of a bioinspired micro-crystal-bars coated composite fabric with solar reflectance. <i>Composites Communications</i> , 2021, 27, 100814.	3.3	10
120	Two-stage crystallization kinetics equation and nonisothermal crystallization analyses for PTEG and filled PTEG. <i>Journal of Materials Science</i> , 2011, 46, 4085-4091.	1.7	9
121	Conductive nanofibres and nanocoatings for smart textiles. , 2013, , 92-128.		9
122	Adhesion and durability of Cu film on polyester fabric prepared by finishing treatment with polyester-polyurethane and aqueous acrylate. <i>Fibers and Polymers</i> , 2016, 17, 1397-1402.	1.1	9
123	Constituent analysis of stress memory in semicrystalline polyurethane. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 941-947.	2.4	9
124	Poly(acrylic acid)-silicon Hybrids Prepared via a RAFT-mediated Process and Covalent Immobilization of Glucose Oxidase. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 316-320.	1.2	8
125	Y2O3:Eu3+ luminescent thin film deposited on quartz fiber by electron beam evaporation technology. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 4113-4118.	1.1	8
126	Influence of deposition temperature on luminescent efficiency of Y2O3:Eu3+ thin films deposited on quartz fabric by EBE. <i>Ceramics International</i> , 2016, 42, 8102-8107.	2.3	8

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127	Synthesis of silver nanoparticles on bamboo pulp fabric after plasma pretreatment. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5925-5933.	1.1	8
128	Preparation and electromagnetic wave absorbing properties of 3D graphene/pine needle-like iron nano-acicular whisker composites. <i>RSC Advances</i> , 2017, 7, 16196-16203.	1.7	8
129	Antibiotics-free wound dressing combating bacterial infections: A clean method using silkworm cocoon shell for preparation. <i>Materials Chemistry and Physics</i> , 2022, 277, 125484.	2.0	8
130	Water-based amorphous carbon nanotubes filled polymer nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1986-1992.	1.3	7
131	Surface modification of polythiophene and poly(3-methyl thiophene) films by graft copolymerization. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2582-2587.	1.3	7
132	Electrical and optical properties of polymer-Au nanocomposite films synthesized by magnetron cosputtering. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2800-2804.	1.3	7
133	Synthesis of immobilized poly(vinyl alcohol)/cyclodextrin eco-adsorbent and its application for the removal of ibuprofen from pharmaceutical sewage. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	7
134	Fabrication of highly electrically conductive Ti/Ag/Ti tri-layer and Ti-Ag alloy thin films on PET fabrics by multi-target magnetron sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19578-19587.	1.1	7
135	The Application of Atmospheric Plasma for Cotton Fabric Desizing. <i>Fibers and Polymers</i> , 2019, 20, 2334-2341.	1.1	7
136	Dual-Driven Hemostats Featured with Puncturing Erythrocytes for Severe Bleeding in Complex Wounds. <i>Research</i> , 2022, 2022, .	2.8	7
137	Conductivity switching and memory effect in polymer brushes with carbazole pendant moieties. <i>Synthetic Metals</i> , 2012, 162, 1059-1064.	2.1	6
138	Chestnut-like macro-acanthosphere triggered hemostasis: a featured mechanism based on puncturing red blood cells. <i>Nanoscale</i> , 2021, 13, 9843-9852.	2.8	6
139	Ag-coated cotton fabric as ultrasensitive and flexible SERS substrate. <i>Journal of Industrial Textiles</i> , 2022, 51, 712S-727S.	1.1	6
140	The potential of yeast as eco-filler for waterborne polyurethane and its reinforcing mechanism. <i>European Polymer Journal</i> , 2014, 60, 6-13.	2.6	5
141	A novel template-free wet chemical synthesis method for economical production of zinc oxide microrods under atmospheric pressure. <i>Ceramics International</i> , 2020, 46, 2002-2009.	2.3	5
142	Compositional, structural, morphological, and optical characterization of magnetron sputtered CZTS thin films from various argon flow rate. <i>Physica B: Condensed Matter</i> , 2021, 623, 413375.	1.3	5
143	Process control in printing of textiles. , 2013, , 339-362.		4
144	One-Step Assembly of Polypyrrole-Graphene Oxide Nanocomposite Sponges. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 1102-1106.	0.4	4

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145	Effect of annealing rate on microstructure and luminescence of Y ₂ O ₃ :Eu ³⁺ deposited quartz fiber by electron beam evaporation. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6868-6874.	1.1	4
146	Development of water-based polymeric dye and its application as a colorant for waterborne polyurethane. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	4
147	Wet Functionalization of Carbon Nanotubes and Its Applications in Rubber Composites. , 2019, , 77-108.		4
148	Facial Synthesis of Polyaniline/AgCl Nanocomposites at the Interface of Water and Ionic Liquid. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1188-1192.	0.9	3
149	A novel rapid electropulsing treatment on AZO thin ceramic films. <i>Ceramics International</i> , 2015, 41, 8235-8240.	2.3	3
150	Wet Functionalization of Graphene and Its Applications in Rubber Composites. , 2019, , 285-322.		3
151	NiCo ₂ S ₄ nanosheets and polypyrrole anchored porous micro-3D suede villus for flexible and waterproof energy storage. <i>Electrochimica Acta</i> , 2019, 321, 134650.	2.6	2
152	Development of Nanogenerators in Wearable Electronics. , 2015, , 411-431.		2
153	DYEING AND FINISHING. <i>Journal of the Textile Institute Proceedings</i> , 1961, 52, P674-P676.	0.1	0
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