

Jinfeng Wang

List of Publications by Year in descending order

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90
papers

3,302
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126708

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docs citations

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times ranked

4780
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#	ARTICLE	IF	CITATIONS
1	Facile and Scalable Fabrication of Conductive Ceramic Composite for Energy Conversion and Electromagnetic Interference Shielding. <i>Engineering</i> , 2023, 21, 143-151.	3.2	4
2	Mechanical and Thermal Properties Enhancement and Swelling Behavior of Bacterial Cellulose/Collagen/Polyvinyl Alcohol Nanofiber Hydrogel Film. <i>Fibers and Polymers</i> , 2022, 23, 305-314.	1.1	7
3	Superhydrophobic natural melanin-coated cotton with excellent UV protection and personal thermal management functionality. <i>Chemical Engineering Journal</i> , 2022, 433, 133688.	6.6	30
4	An Ultralight Self-Powered Fire Alarm e-Textile Based on Conductive Aerogel Fiber with Repeatable Temperature Monitoring Performance Used in Firefighting Clothing. <i>ACS Nano</i> , 2022, 16, 2953-2967.	7.3	117
5	Fine powders from dyed waste wool as odor adsorbent and coloration pigment. <i>Powder Technology</i> , 2022, 400, 117261.	2.1	7
6	Boron nitride-Au (Ag) loaded eggshell membrane with enhanced photothermal property. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128726.	2.3	5
7	Porous, colorful and gas-adsorption powder from wool waste for textile functionalization. <i>Journal of Cleaner Production</i> , 2022, 366, 132805.	4.6	9
8	Characterization and Scalable Production of Industrial Hemp Fiber Filled PLA bio-composites. <i>Journal of Natural Fibers</i> , 2022, 19, 13426-13437.	1.7	3
9	Kinetic and thermodynamic studies on gas adsorption behaviour of natural fibres. <i>Journal of the Textile Institute</i> , 2021, 112, 1390-1402.	1.0	5
10	Hierarchically carbonized silk/ceramic composites for electro-thermal conversion. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 141, 106237.	3.8	14
11	Superhydrophobic and photocatalytic self-cleaning cotton fabric using flower-like N-doped TiO ₂ /PDMS coating. <i>Cellulose</i> , 2021, 28, 8807-8820.	2.4	46
12	Adsorption Force of Fibronectin: A Balance Regulator to Transmission of Cell Traction Force and Fluid Shear Stress. <i>Biomacromolecules</i> , 2021, 22, 3264-3273.	2.6	5
13	Rice husk-based adsorbents for removing ammonia: Kinetics, thermodynamics and adsorption mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105793.	3.3	29
14	Recycled carbon fiber nonwoven functionalized with fluorine-free superhydrophobic PDMS/ZIF-8 coating for efficient oil-water separation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106329.	3.3	28
15	Universal endogenous antibody recruiting nanobodies capable of triggering immune effectors for targeted cancer immunotherapy. <i>Chemical Science</i> , 2021, 12, 4623-4630.	3.7	18
16	Fabrication of kapok fibers and natural rubber composites for pressure sensor applications. <i>Cellulose</i> , 2021, 28, 2287-2301.	2.4	12
17	Scalable Fabrication of Ti ₃ C ₂ T _x MXene/RGO/Carbon Hybrid Aerogel for Organics Absorption and Energy Conversion. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51333-51342.	4.0	20
18	Wet-spinning of fluorescent fibers based on gold nanoclusters-loaded alginate for sensing of heavy metal ions and anti-counterfeiting. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118031.	2.0	40

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19	Titanium dioxide coated carbon foam as microreactor for improved sunlight driven treatment of cotton dyeing wastewater. <i>Journal of Cleaner Production</i> , 2020, 246, 118949.	4.6	28
20	Deodorizing for fiber and fabric: Adsorption, catalysis, source control and masking. <i>Advances in Colloid and Interface Science</i> , 2020, 283, 102243.	7.0	17
21	Electron transport enhancement in perovskite solar cell <i>via</i> the polarized BaTiO ₃ thin film. <i>Journal of Materials Research</i> , 2020, 35, 2158-2165.	1.2	12
22	Fabrication of PANI@TiO ₂ nanocomposite and its sunlight-driven photocatalytic effect on cotton fabrics. <i>Journal of the Textile Institute</i> , 2020, , 1-9.	1.0	8
23	Hollow Au/Polypyrrole Capsules to Form Porous and Neural Network-Like Nanofibrous Film for Wearable, Super-Rapid, and Ultrasensitive NH ₃ Sensor at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55056-55063.	4.0	25
24	Palladium nanoparticle colored cotton fabric as a highly efficient catalyst for colorimetric sensing of H ₂ O ₂ . <i>Cellulose</i> , 2020, 27, 7791-7803.	2.4	9
25	A flexible and capsular polypyrrole nanotubular film-based pseudo-capacitive electrode with enhanced capacitive properties enabled by Au nanoparticle doping. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3807-3813.	2.7	7
26	Advances in photocatalytic self-cleaning, superhydrophobic and electromagnetic interference shielding textile treatments. <i>Advances in Colloid and Interface Science</i> , 2020, 277, 102116.	7.0	98
27	Coal Tar Electrode Pitch Modified Rice Husk Ash as Anode for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2425-A2430.	1.3	13
28	One-step firing of cellulose fiber and ceramic precursors for functional electro-thermal composites. <i>Materials and Design</i> , 2019, 181, 107941.	3.3	11
29	Sunlight-Driven Photothermal Effect of Composite Eggshell Membrane Coated with Graphene Oxide and Gold Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4384.	1.3	3
30	Surface Treatment Effects on the Mechanical Properties of Silica Carbon Black Reinforced Natural Rubber/Butadiene Rubber Composites. <i>Polymers</i> , 2019, 11, 1763.	2.0	17
31	Kinetic investigation into pH-dependent color of anthocyanin and its sensing performance. <i>Dyes and Pigments</i> , 2019, 170, 107643.	2.0	68
32	Investigation of Closed-Loop Manufacturing with Acrylonitrile Butadiene Styrene over Multiple Generations Using Additive Manufacturing. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13955-13969.	3.2	67
33	Environmentally Friendly Flexible Strain Sensor from Waste Cotton Fabrics and Natural Rubber Latex. <i>Polymers</i> , 2019, 11, 404.	2.0	41
34	Oriented collagen fiber membranes formed through counter-rotating extrusion and their application in tendon regeneration. <i>Biomaterials</i> , 2019, 207, 61-75.	5.7	93
35	La ³⁺ doped SnO ₂ nanofibers for rapid and selective H ₂ sensor with long range linearity. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 8659-8668.	3.8	25
36	Shape recovery strain and nanostructures on recovered polyurethane films and their regulation to osteoblasts morphology. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 92, 128-136.	1.5	2

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37	Simultaneous PAN Carbonization and Ceramic Sintering for Fabricating Carbon Fiber-Ceramic Composite Heaters. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4945.	1.3	5
38	Quantitative and sensory evaluation of odor retention on polyester/wool blends. <i>Textile Research Journal</i> , 2019, 89, 2729-2738.	1.1	18
39	Yolk-porous shell nanospheres from silver-decorated titanium dioxide and silicon dioxide as an enhanced visible-light photocatalyst with guaranteed shielding for organic carrier. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 480-489.	5.0	23
40	Hydrogeochemistry and human health risks of groundwater fluoride in Jinhuiqu irrigation district of Wei river basin, China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 230-249.	1.7	21
41	Vertically aligned TiO_2 nanosheets on Al foils as flexible and reusable substrates for NH_3 adsorption. <i>Frontiers of Physics</i> , 2018, 13, 1.	2.4	3
42	A biomimetic approach towards the synthesis of TiO_2 /carbon-clay as a highly recoverable photocatalyst. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 351, 131-138.	2.0	10
43	A convenient oil-water separator from polybutylmethacrylate/graphene-deposited polyethylene terephthalate nonwoven fabricated by a facile coating method. <i>Progress in Organic Coatings</i> , 2018, 115, 181-187.	1.9	10
44	Functionalization of Silk with In-Situ Synthesized Platinum Nanoparticles. <i>Materials</i> , 2018, 11, 1929.	1.3	21
45	One-step template-free synthesis of 3D functionalized flower-like boron nitride nanosheets for NH_3 and CO_2 adsorption. <i>Nanoscale</i> , 2018, 10, 10979-10985.	2.8	45
46	Tunable photocatalytic selectivity of $\text{TiO}_2/\text{SiO}_2$ nanocomposites: Effect of silica and isolation approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 552, 130-141.	2.3	42
47	Adsorption force of fibronectin controls transmission of cell traction force and subsequent stem cell fate. <i>Biomaterials</i> , 2018, 162, 170-182.	5.7	17
48	Easy-handling bamboo-like polypyrrole nanofibrous mats with high adsorption capacity for hexavalent chromium removal. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 385-395.	5.0	47
49	Conductive Cotton Fabrics for Motion Sensing and Heating Applications. <i>Polymers</i> , 2018, 10, 568.	2.0	76
50	Hydrophilic PAN based carbon nanofibres with improved graphitic structure and enhanced mechanical performance using ethylenediamine functionalized graphene. <i>RSC Advances</i> , 2017, 7, 2621-2628.	1.7	32
51	Wet-spinning of highly conductive nanocellulose-silver fibers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9673-9679.	2.7	33
52	Improved thermal and mechanical properties of bacterial cellulose with the introduction of collagen. <i>Cellulose</i> , 2017, 24, 3777-3787.	2.4	23
53	Immobilization of titanium dioxide on PAN fiber as a recyclable photocatalyst via co-dispersion solvent dip coating. <i>Textile Research Journal</i> , 2017, 87, 570-581.	1.1	12
54	Application of Green and Physico-Chemical Technologies in Treating Water Polluted by Heavy Metals. , 2016, , 579-614.		3

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55	Removal of Pb (II) ions using polymer based graphene oxide magnetic nano-sorbent. Chemical Engineering Research and Design, 2016, 104, 472-480.	2.7	46
56	Key role of collagen fibers orientation in casing-meat adhesion. Food Research International, 2016, 89, 439-447.	2.9	15
57	Functionality of nano and 3D-microhierarchical TiO ₂ particles as coagulants for sericin extraction from the silk degumming wastewater. Separation and Purification Technology, 2016, 170, 92-101.	3.9	11
58	Surface chemistry regulates the sensitivity and tolerability of osteoblasts to various magnitudes of fluid shear stress. Journal of Biomedical Materials Research - Part A, 2016, 104, 2978-2991.	2.1	14
59	Transcriptome comparison reveals a genetic network regulating the lower temperature limit in fish. Scientific Reports, 2016, 6, 28952.	1.6	66
60	Improved Performance of Polymer Solar Cells by Thermal Evaporation of AgAl Alloy Nanostructures into the Hole-Transport Layer. ACS Applied Materials & Interfaces, 2016, 8, 26098-26104.	4.0	21
61	Degradation of organic dyes by P25-reduced graphene oxide: Influence of inorganic salts and surfactants. Journal of Environmental Chemical Engineering, 2015, 3, 1437-1443.	3.3	33
62	Peptide-based biosensors. Talanta, 2015, 136, 114-127.	2.9	225
63	Global identification of the genetic networks and cis-regulatory elements of the cold response in zebrafish. Nucleic Acids Research, 2015, 43, 9198-9213.	6.5	38
64	Capsular polypyrrole hollow nanofibers: an efficient recyclable adsorbent for hexavalent chromium removal. Journal of Materials Chemistry A, 2015, 3, 15124-15132.	5.2	77
65	Using a selective cadmium-binding peplipid to create responsive liquid crystalline nanomaterials. Journal of Colloid and Interface Science, 2015, 449, 122-129.	5.0	10
66	A review on the application of photocatalytic materials on textiles. Textile Research Journal, 2015, 85, 1104-1118.	1.1	54
67	RGO/ZnO Nanocomposite: An Efficient, Sustainable, Heterogeneous, Amphiphilic Catalyst for Synthesis of 3-Substituted Indoles in Water. ACS Sustainable Chemistry and Engineering, 2015, 3, 9-18.	3.2	84
68	Ethanol chemiresistor with enhanced discriminative ability from acetone based on Sr-doped SnO ₂ nanofibers. Journal of Colloid and Interface Science, 2015, 437, 252-258.	5.0	32
69	Preparation and dielectric properties of sulfonated poly(aryl ether ketone)/acidified graphite nanosheet composites. Journal of Applied Polymer Science, 2014, 131, .	1.3	2
70	Graphene oxide nanoparticles for enhanced photothermal cancer cell therapy under the irradiation of a femtosecond laser beam. Journal of Biomedical Materials Research - Part A, 2014, 102, 2181-2188.	2.1	54
71	Magnetic and mechanical properties of polyvinyl alcohol (PVA) nanocomposites with hybrid nanofillers " Graphene oxide tethered with magnetic Fe ₃ O ₄ nanoparticles. Chemical Engineering Journal, 2014, 237, 462-468.	6.6	68
72	Numerical Investigation of Influence of the Martensite Volume Fraction on DP Steels Fracture Behavior on the Basis of Digital Material Representation Model. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 5852-5865.	1.1	12

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73	Ternary graphite nanosheet/copper phthalocyanine/sulfonated poly(aryl ether ketone) dielectric percolative composites: preparation, micromorphologies and dielectric properties. RSC Advances, 2014, 4, 28721-28727.	1.7	6
74	Recyclable Textiles Functionalized with Reduced Graphene Oxide@ZnO for Removal of Oil Spills and Dye Pollutants. Australian Journal of Chemistry, 2014, 67, 71.	0.5	31
75	Synergic effect within n-type inorganic/p-type organic nano-hybrids in gas sensors. Journal of Materials Chemistry C, 2013, 1, 3017.	2.7	70
76	Dielectric percolative composites with high dielectric constant and low dielectric loss based on sulfonated poly(aryl ether ketone) and a-MWCNTs coated with polyaniline. Journal of Materials Chemistry C, 2013, 1, 4035.	2.7	33
77	Reduction of the photocatalytic activity of ZnO nanoparticles for UV protection applications. International Journal of Nanotechnology, 2012, 9, 1017.	0.1	37
78	Synthesis, characterization and adsorption properties of superparamagnetic polystyrene/Fe ₃ O ₄ /graphene oxide. Chemical Engineering Journal, 2012, 204-206, 258-263.	6.6	44
79	Reduced Graphene Oxide/ZnO Composite: Reusable Adsorbent for Pollutant Management. ACS Applied Materials & Interfaces, 2012, 4, 3084-3090.	4.0	264
80	Function improvement of wool fabric based on surface assembly of silica and silver nanoparticles. Chemical Engineering Journal, 2012, 185-186, 366-373.	6.6	69
81	Using hydroxy carboxylate to synthesize gold nanoparticles in heating and photochemical reactions and their application in textile colouration. Chemical Engineering Journal, 2011, 172, 601-607.	6.6	24
82	Application of anisotropic silver nanoparticles: Multifunctionalization of wool fabric. Journal of Colloid and Interface Science, 2011, 356, 513-518.	5.0	154
83	Synthesis of silica-coated ZnO nanocomposite: the resonance structure of polyvinyl pyrrolidone (PVP) as a coupling agent. Colloid and Polymer Science, 2010, 288, 1705-1711.	1.0	48
84	Reverse Microemulsion-Mediated Synthesis of SiO ₂ -Coated ZnO Composite Nanoparticles: Multiple Cores with Tunable Shell Thickness. ACS Applied Materials & Interfaces, 2010, 2, 957-960.	4.0	68
85	Fabrication of ZnO/SiO ₂ composite nanospheres with high core-loading levels. , 2010, , .		0
86	Reducing the Photocatalytic Activity of Zinc Oxide Quantum Dots by Surface Modification. Journal of the American Ceramic Society, 2009, 92, 2083-2088.	1.9	50
87	Effects of alternate partial root-zone irrigation on soil microorganism and maize growth. Plant and Soil, 2008, 302, 45-52.	1.8	49
88	Tuning Mesophase of Ammonium Amphiphile-Encapsulated Polyoxometalate Complexes through Changing Component Structure. Chemistry of Materials, 2008, 20, 514-522.	3.2	64
89	Mesomorphic Structures of Protonated Surfactant-Encapsulated Polyoxometalate Complexes. Journal of Physical Chemistry B, 2008, 112, 3983-3988.	1.2	43
90	<i>catena</i> -Poly[[[diaquacopper(II)-bis[1/4-1,1-(butane-1,4-diyl)diimidazole] ² <i>N</i>] ³ : <i>N</i>] ³ dinitrate]. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m1220-m1220.	0.2	0