Hongbo Wang

List of Publications by Year
in descending order

48 papers	1,579 citations	471061 17 h-index	301761 39 g-index
48 all docs	48 docs citations	48 times ranked	2653 citing authors

#	Article	IF	Citations
1	Significance of Nanomaterials in Wearables: A Review on Wearable Actuators and Sensors. Advanced Materials, 2019, 31, e1805921.	11.1	438
2	A Highly Stretchable Nanofiber-Based Electronic Skin with Pressure-, Strain-, and Flexion-Sensitive Properties for Health and Motion Monitoring. ACS Applied Materials & Interfaces, 2017, 9, 42951-42960.	4.0	147
3	Highly sensitive, self-powered and wearable electronic skin based on pressure-sensitive nanofiber woven fabric sensor. Scientific Reports, 2017, 7, 12949.	1.6	144
4	Weavable and stretchable piezoresistive carbon nanotubes-embedded nanofiber sensing yarns for highly sensitive and multimodal wearable textile sensor. Carbon, 2020, 170, 464-476.	5.4	94
5	Preparation and characterization of electrospinning PLA/curcumin composite membranes. Fibers and Polymers, 2010, 11, 1128-1131.	1.1	69
6	Preparation and characterization of silver nanocomposite textile. Journal of Coatings Technology Research, 2007, 4, 101-106.	1.2	57
7	Core-sheath nanofiber yarn for textile pressure sensor with high pressure sensitivity and spatial tactile acuity. Journal of Colloid and Interface Science, 2020, 561, 93-103.	5.0	56
8	A new electrospun graphene-silk fibroin composite scaffolds for guiding Schwann cells. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 2171-2185.	1.9	48
9	Cellulose nanocrystals functionalized with amino-silane and epoxy-poly(ethylene glycol) for reinforcement and flexibilization of poly(lactic acid): material preparation and compatibility mechanism. Cellulose, 2018, 25, 6447-6463.	2.4	44
10	Evaluation of drug release property and blood compatibility of aspirin-loaded electrospun PLA/RSF composite nanofibers. Iranian Polymer Journal (English Edition), 2013, 22, 729-737.	1.3	37
11	Carbon nanofiber yarns fabricated from co-electrospun nanofibers. Materials and Design, 2016, 95, 591-598.	3.3	34
12	Poly(lactic acid)-based biocomposites reinforced with modified cellulose nanocrystals. Cellulose, 2017, 24, 4773-4784.	2.4	34
13	Preparation and blood compatibility of electrospun PLA/curcumin composite membranes. Fibers and Polymers, 2012, 13, 1254-1258.	1.1	28
14	High-Efficiency Wastewater Purification System Based on Coupled Photoelectricâ€“Catalytic Action Provided by Triboelectric Nanogenerator. Nano-Micro Letters, 2021, 13, 194.	14.4	26
15	Cellulose nanocrystals modified with a triazine derivative and their reinforcement of poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	23
16	Cellulose nanocrystals modified with quaternary ammonium salts and its reinforcement of polystyrene. Polymer Bulletin, 2018, 75, 2151-2166.	1.7	22
17	The electromagnetic interference shielding performance of continuous carbon fiber composites with different arrangements. Journal of Industrial Textiles, 2016, 46, 45-58.	1.1	19
18	Highly efficient and durable antibacterial cotton fabrics finished with zwitterionic polysulfobetaine by one-step eco-friendly strategy. Cellulose, 2021, 28, 1139-1152.	2.4	19

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19	Fabrication of superhydrophobic nanofiber fabric with hierarchical nanofiber structure. E-Polymers, 2017, 17, 249-254.	1.3	17
20	Continuous nanofiber coated hybrid yarn produced by multi-nozzle air jet electrospinning. Journal of the Textile Institute, 2017, 108, 783-787.	1.0	16
21	Electromagnetic Shielding Triboelectric Yarns for Humanâ€“Machine Interacting. Advanced Electronic Materials, 2022, 8, .	2.6	16
22	Effect of sonication treatment on electrospinnability of high-viscosity PAN solution and mechanical performance of microfiber mat. Iranian Polymer Journal (English Edition), 2014, 23, 947-953.	1.3	15
23	Novel method for preparation of continuously twisted nanofiber yarn based on a combination of stepped airflow electrospinning and friction twisting. Journal of Materials Science, 2018, 53, 15735-15745.	1.7	14
24	Preparation, characterization of antibacterial PLA/TP nanofibers. Fibers and Polymers, 2011, 12, 340-344.	1.1	13
25	Enhancing the Dyeability of Polyimide Fibers with the Assistance of Swelling Agents. Materials, 2019, 12, 347.	1.3	13
26	Preparation of silica micro spheres via a semibatch solâ€“gel method. Journal of Sol-Gel Science and Technology, 2017, 81, 669-677.	1.1	12
27	A nanoporous Three-dimensional graphene aerogel doped with a carbon quantum Dot-TiO2 composite that exhibits superior activity for the catalytic photodegradation of organic pollutants. Applied Surface Science, 2021, 569, 151116.	3.1	12
28	Highly stretchable nanofiber-coated hybrid yarn with wavy structure fabricated by novel airflow-electrospinning method. Materials Letters, 2019, 239, 1-4.	1.3	11
29	Antimicrobial activity and mechanism of PLA/TP composite nanofibrous films. Journal of the Textile Institute, 2014, 105, 196-202.	1.0	9
30	Eco-friendly and Durable Antibacterial Cotton Fabrics Prepared with Polysulfopropylbetaine. Fibers and Polymers, 2018, 19, 1228-1236.	1.1	9
31	Trichromatic Dyeing of Polyimide Fiber Using Its Inherent Color as a Yellow Component. Fibers and Polymers, 2020, 21, 1783-1789.	1.1	9
32	Preparation of Nano-silica with Radial Wrinkle Structures for Self-cleaning and Superhydrophobic Coatings. Fibers and Polymers, 2022, 23, 1293-1299.	1.1	9
33	Polypyrrole-Coated Graphene Oxide-Doped Polyacrylonitrile Nanofibers for Stretchable Strain Sensors. ACS Applied Nano Materials, 2022, 5, 8224-8231.	2.4	9
34	Superhydrophobic and oleophobic textiles with hierarchical micro-nano structure constructed by solâ€“gel method. Journal of Sol-Gel Science and Technology, 2019, 89, 820-829.	1.1	8
35	Carbon Dotâ€“Doped Titanium Dioxide Sheets for the Efficient Photocatalytic Performance of Refractory Pollutants. Frontiers in Chemistry, 2021, 9, 706343.	1.8	8
36	Eco-friendly approach for preparation of hybrid silica aerogel via freeze drying method. Journal of Materials Science, 2022, 57, 7491-7502.	1.7	8

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37	Effects of coagulation conditions on structure and properties of cellulose-based fibers from aqueous NaOH solvent. Carbohydrate Polymers, 2017, 164, 118-126.	5.1	5
38	Finite element modelling of Chinese male office workersâ€™ necks using 3D body measurements. Journal of the Textile Institute, 2017, 108, 766-775.	1.0	4
39	Coagulation studies for hydroxyethyl cellulose (HEC) in NaOH/H2O solvent. Fibers and Polymers, 2017, 18, 1091-1097.	1.1	4
40	Investigation of Parameters for Preparing Nanofiber Yarn via a Stepped Airflow-assisted Electrospinning. Fibers and Polymers, 2018, 19, 2169-2177.	1.1	4
41	Interaction of <scp>N</scp>â€methylformanilide with highâ€performance polyimide fibre and its effect on dyeing. Coloration Technology, 2022, 138, 407-416.	0.7	4
42	Synergy of Silane and Polyacrylate Treatments to Prepare Thermally Stable and Hydrophobic Cellulose Nanocrystals. Chemistry Letters, 2018, 47, 1272-1275.	0.7	2
43	Investigation for the color samples with equiâ€depth in Natural Color System. Color Research and Application, 0, , .	0.8	2
44	Hybrid aerogel composites reinforced with aramid fiber fabric for thermal protection. Journal of Sol-Gel Science and Technology, 2022, 103, 416-424.	1.1	2
45	A new method for determining relative colour strength of dye based on new colour depth formulas. Part I: For different dyes with approximate hue. Coloration Technology, 2022, 138, 474-484.	0.7	2
46	Characterisation and classification of Chinese male office workersâ€™ necks using 3-D body measurements. International Journal of Fashion Design, Technology and Education, 2017, 10, 101-109.	0.9	1
47	A Facile, Effective Synthesis of Excellent Fluorescent Carbon Dots with Optical Properties. ChemistrySelect, 2019, 4, 12762-12767.	0.7	1
48	A self-healing fluorine-free superhydrophobic cotton fabric under heat stimulation. Textile Reseach Journal, 2022, 92, 3049-3059.	1.1	1