

# Hongbo Wang

## List of Publications by Year in descending order

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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	A self-healing fluorine-free superhydrophobic cotton fabric under heat stimulation. <i>Textile Research Journal</i> , 2022, 92, 3049-3059.	1.1	1
2	Interaction of N-methylformanilide with high-performance polyimide fibre and its effect on dyeing. <i>Coloration Technology</i> , 2022, 138, 407-416.	0.7	4
3	Electromagnetic Shielding Triboelectric Yarns for Human-Machine Interacting. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	16
4	Eco-friendly approach for preparation of hybrid silica aerogel via freeze drying method. <i>Journal of Materials Science</i> , 2022, 57, 7491-7502.	1.7	8
5	Preparation of Nano-silica with Radial Wrinkle Structures for Self-cleaning and Superhydrophobic Coatings. <i>Fibers and Polymers</i> , 2022, 23, 1293-1299.	1.1	9
6	Hybrid aerogel composites reinforced with aramid fiber fabric for thermal protection. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 103, 416-424.	1.1	2
7	A new method for determining relative colour strength of dye based on new colour depth formulas. Part I: For different dyes with approximate hue. <i>Coloration Technology</i> , 2022, 138, 474-484.	0.7	2
8	Polypyrrole-Coated Graphene Oxide-Doped Polyacrylonitrile Nanofibers for Stretchable Strain Sensors. <i>ACS Applied Nano Materials</i> , 2022, 5, 8224-8231.	2.4	9
9	Highly efficient and durable antibacterial cotton fabrics finished with zwitterionic polysulfobetaine by one-step eco-friendly strategy. <i>Cellulose</i> , 2021, 28, 1139-1152.	2.4	19
10	Carbon Dot-Doped Titanium Dioxide Sheets for the Efficient Photocatalytic Performance of Refractory Pollutants. <i>Frontiers in Chemistry</i> , 2021, 9, 706343.	1.8	8
11	High-Efficiency Wastewater Purification System Based on Coupled Photoelectric-Catalytic Action Provided by Triboelectric Nanogenerator. <i>Nano-Micro Letters</i> , 2021, 13, 194.	14.4	26
12	A nanoporous Three-dimensional graphene aerogel doped with a carbon quantum Dot-TiO <sub>2</sub> composite that exhibits superior activity for the catalytic photodegradation of organic pollutants. <i>Applied Surface Science</i> , 2021, 569, 151116.	3.1	12
13	Core-sheath nanofiber yarn for textile pressure sensor with high pressure sensitivity and spatial tactile acuity. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 93-103.	5.0	56
14	Weavable and stretchable piezoresistive carbon nanotubes-embedded nanofiber sensing yarns for highly sensitive and multimodal wearable textile sensor. <i>Carbon</i> , 2020, 170, 464-476.	5.4	94
15	Trichromatic Dyeing of Polyimide Fiber Using Its Inherent Color as a Yellow Component. <i>Fibers and Polymers</i> , 2020, 21, 1783-1789.	1.1	9
16	Enhancing the Dyeability of Polyimide Fibers with the Assistance of Swelling Agents. <i>Materials</i> , 2019, 12, 347.	1.3	13
17	Superhydrophobic and oleophobic textiles with hierarchical micro-nano structure constructed by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 820-829.	1.1	8
18	A Facile, Effective Synthesis of Excellent Fluorescent Carbon Dots with Optical Properties. <i>ChemistrySelect</i> , 2019, 4, 12762-12767.	0.7	1

#	ARTICLE	IF	CITATIONS
19	Highly stretchable nanofiber-coated hybrid yarn with wavy structure fabricated by novel airflow-electrospinning method. <i>Materials Letters</i> , 2019, 239, 1-4.	1.3	11
20	Significance of Nanomaterials in Wearables: A Review on Wearable Actuators and Sensors. <i>Advanced Materials</i> , 2019, 31, e1805921.	11.1	438
21	Cellulose nanocrystals modified with a triazine derivative and their reinforcement of poly(lactic acid) fibers. <i>Journal of Materials Science</i> , 2018, 53, 15735-15745.	2.4	23
22	Cellulose nanocrystals modified with quaternary ammonium salts and its reinforcement of polystyrene. <i>Polymer Bulletin</i> , 2018, 75, 2151-2166.	1.7	22
23	Investigation of Parameters for Preparing Nanofiber Yarn via a Stepped Airflow-assisted Electrospinning. <i>Fibers and Polymers</i> , 2018, 19, 2169-2177.	1.1	4
24	Cellulose nanocrystals functionalized with amino-silane and epoxy-poly(ethylene glycol) for reinforcement and flexibilization of poly(lactic acid): material preparation and compatibility mechanism. <i>Cellulose</i> , 2018, 25, 6447-6463.	2.4	44
25	Novel method for preparation of continuously twisted nanofiber yarn based on a combination of stepped airflow electrospinning and friction twisting. <i>Journal of Materials Science</i> , 2018, 53, 15735-15745.	1.7	14
26	Eco-friendly and Durable Antibacterial Cotton Fabrics Prepared with Polysulfopropylbetaine. <i>Fibers and Polymers</i> , 2018, 19, 1228-1236.	1.1	9
27	Synergy of Silane and Polyacrylate Treatments to Prepare Thermally Stable and Hydrophobic Cellulose Nanocrystals. <i>Chemistry Letters</i> , 2018, 47, 1272-1275.	0.7	2
28	Finite element modelling of Chinese male office workers' necks using 3D body measurements. <i>Journal of the Textile Institute</i> , 2017, 108, 766-775.	1.0	4
29	Continuous nanofiber coated hybrid yarn produced by multi-nozzle air jet electrospinning. <i>Journal of the Textile Institute</i> , 2017, 108, 783-787.	1.0	16
30	Effects of coagulation conditions on structure and properties of cellulose-based fibers from aqueous NaOH solvent. <i>Carbohydrate Polymers</i> , 2017, 164, 118-126.	5.1	5
31	Characterisation and classification of Chinese male office workers' necks using 3-D body measurements. <i>International Journal of Fashion Design, Technology and Education</i> , 2017, 10, 101-109.	0.9	1
32	Fabrication of superhydrophobic nanofiber fabric with hierarchical nanofiber structure. <i>E-Polymers</i> , 2017, 17, 249-254.	1.3	17
33	A new electrospun graphene-silk fibroin composite scaffolds for guiding Schwann cells. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 2171-2185.	1.9	48
34	Highly sensitive, self-powered and wearable electronic skin based on pressure-sensitive nanofiber woven fabric sensor. <i>Scientific Reports</i> , 2017, 7, 12949.	1.6	144
35	Poly(lactic acid)-based biocomposites reinforced with modified cellulose nanocrystals. <i>Cellulose</i> , 2017, 24, 4773-4784.	2.4	34
36	A Highly Stretchable Nanofiber-Based Electronic Skin with Pressure-, Strain-, and Flexion-Sensitive Properties for Health and Motion Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 42951-42960.	4.0	147

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37	Coagulation studies for hydroxyethyl cellulose (HEC) in NaOH/H <sub>2</sub> O solvent. <i>Fibers and Polymers</i> , 2017, 18, 1091-1097.	1.1	4
38	Preparation of silica micro spheres via a semibatch sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 669-677.	1.1	12
39	The electromagnetic interference shielding performance of continuous carbon fiber composites with different arrangements. <i>Journal of Industrial Textiles</i> , 2016, 46, 45-58.	1.1	19
40	Carbon nanofiber yarns fabricated from co-electrospun nanofibers. <i>Materials and Design</i> , 2016, 95, 591-598.	3.3	34
41	Effect of sonication treatment on electrospinnability of high-viscosity PAN solution and mechanical performance of microfiber mat. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 947-953.	1.3	15
42	Antimicrobial activity and mechanism of PLA/TP composite nanofibrous films. <i>Journal of the Textile Institute</i> , 2014, 105, 196-202.	1.0	9
43	Evaluation of drug release property and blood compatibility of aspirin-loaded electrospun PLA/RSF composite nanofibers. <i>Iranian Polymer Journal (English Edition)</i> , 2013, 22, 729-737.	1.3	37
44	Preparation and blood compatibility of electrospun PLA/curcumin composite membranes. <i>Fibers and Polymers</i> , 2012, 13, 1254-1258.	1.1	28
45	Preparation, characterization of antibacterial PLA/TP nanofibers. <i>Fibers and Polymers</i> , 2011, 12, 340-344.	1.1	13
46	Preparation and characterization of electrospinning PLA/curcumin composite membranes. <i>Fibers and Polymers</i> , 2010, 11, 1128-1131.	1.1	69
47	Preparation and characterization of silver nanocomposite textile. <i>Journal of Coatings Technology Research</i> , 2007, 4, 101-106.	1.2	57
48	Investigation for the color samples with equal depth in Natural Color System. <i>Color Research and Application</i> , 0, , .	0.8	2