

Chen Huang

List of Publications by Year in descending order

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105
papers

3,995
citations

101543

36
h-index

138484

58
g-index

109
all docs

109
docs citations

109
times ranked

5293
citing authors

#	ARTICLE	IF	CITATIONS
1	Grooved Fibers: Preparation Principles Through Electrospinning and Potential Applications. <i>Advanced Fiber Materials</i> , 2022, 4, 203-213.	16.1	48
2	Enhanced air filtration performances by coating aramid nanofibres on a melt-blown nonwoven. <i>Nanoscale</i> , 2022, 14, 419-427.	5.6	10
3	Analysis of Competing Endogenous RNAs and MicroRNAs in Tea (<i>Camellia sinensis</i>) Leaves During Infection by the Leaf Spot Pathogen <i>Pestalotiopsis trachicarpicola</i> . <i>Molecular Plant-Microbe Interactions</i> , 2022, 35, 432-438.	2.6	2
4	Downy feather-like para-aramid fibers and nonwovens with enhanced absorbency, air filtration and thermal insulation performances. <i>Nano Research</i> , 2022, 15, 5695-5704.	10.4	16
5	A review on piezoelectric fibers and nanowires for energy harvesting. <i>Journal of Industrial Textiles</i> , 2021, 51, 297-340.	2.4	46
6	Multi-Layered, Corona Charged Melt Blown Nonwovens as High Performance PM0.3 Air Filters. <i>Polymers</i> , 2021, 13, 485.	4.5	36
7	Comparative Transcriptomic Analyses of <i>Haemophilus parasuis</i> Reveal Differently Expressed Genes among Strains with Different Virulence Degrees. <i>Current Microbiology</i> , 2021, 78, 1566-1576.	2.2	1
8	Low-Cost, Unsinkable, and Highly Efficient Solar Evaporators Based on Coating MWCNTs on Nonwovens with Unidirectional Water Transfer. <i>Advanced Science</i> , 2021, 8, e2101727.	11.2	65
9	Coating of multi-wall carbon nanotubes (MWCNTs) on three-dimensional, bicomponent nonwovens as wearable and high-performance piezoresistive sensors. <i>Chemical Engineering Journal</i> , 2021, 425, 130682.	12.7	24
10	Fabrication and characterization of a novel facial mask substrates based on thermoplastic polyester elastomer fibers. <i>Journal of the Textile Institute</i> , 2020, 111, 1231-1237.	1.9	9
11	Surface fibrillation of para-aramid nonwoven as a multi-functional air filter with ultralow pressure drop. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22269-22279.	10.3	15
12	Unrevealing model compounds of soil conditioners impacts on the wheat straw autohydrolysis efficiency and enzymatic hydrolysis. <i>Biotechnology for Biofuels</i> , 2020, 13, 122.	6.2	8
13	A comparative study of electrospun polyvinylidene fluoride and poly(vinylidene fluoride-co-trifluoroethylene) fiber webs: Mechanical properties, crystallinity, and piezoelectric properties. <i>Journal of Engineered Fibers and Fabrics</i> , 2020, 15, 155892502093929.	1.0	10
14	A mini review on the generation of crimped ultrathin fibers via electrospinning: Materials, strategies, and applications. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1449-1462.	3.2	47
15	Humic acid-assisted autohydrolysis of waste wheat straw to sustainably improve enzymatic hydrolysis. <i>Bioresource Technology</i> , 2020, 306, 123103.	9.6	31
16	One-step treatment of periodontitis based on a core-shell micelle-in-nanofiber membrane with time-programmed drug release. <i>Journal of Controlled Release</i> , 2020, 320, 201-213.	9.9	38
17	Maneuvering surface structures of polyvinylidene fluoride nanofibers by controlling solvent systems and polymer concentration. <i>Textile Research Journal</i> , 2019, 89, 2406-2422.	2.2	43
18	Combining polymeric membranes with inorganic woven fabric: Towards the continuous and affordable fabrication of a multifunctional separator for lithium-ion battery. <i>Journal of Membrane Science</i> , 2019, 592, 117364.	8.2	32

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19	Enhancing enzymatic digestibility of waste wheat straw by presoaking to reduce the ash-influencing effect on autohydrolysis. <i>Biotechnology for Biofuels</i> , 2019, 12, 222.	6.2	23
20	Facile Strategy for Fabrication of Flexible, Breathable, and Washable Piezoelectric Sensors via Welding of Nanofibers with Multiwalled Carbon Nanotubes (MWCNTs). <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38023-38030.	8.0	52
21	Chronic restraint stress promotes hepatocellular carcinoma growth by mobilizing splenic myeloid cells through activating I ² -adrenergic signaling. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 825-838.	4.1	34
22	Design of three-dimensional gradient nonwoven composites with robust dust holding capacity for air filtration. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47827.	2.6	31
23	The effects of exogenous ash on the autohydrolysis and enzymatic hydrolysis of wheat straw. <i>Bioresource Technology</i> , 2019, 286, 121411.	9.6	18
24	Enhanced efficacy of baicalin-loaded TPGS polymeric micelles against periodontitis. <i>Materials Science and Engineering C</i> , 2019, 101, 387-395.	7.3	25
25	Online fabrication of ultralight, three-dimensional, and structurally stable ultrafine fibre assemblies with a double-porous feature. <i>Nanoscale</i> , 2019, 11, 8185-8195.	5.6	28
26	<p>Dual micelles-loaded gelatin nanofibers and their application in lipopolysaccharide-induced periodontal disease</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 963-976.	6.7	20
27	Fabrication of Polypropylene-g-(Diallylamino Triazine) Bifunctional Nonwovens with Antibacterial and Air Filtration Activities by Reactive Extrusion and Melt-Blown Technology. <i>Journal of Chemistry</i> , 2019, 2019, 1-11.	1.9	15
28	Green and Scalable Fabrication of Nonwoven Composites Featured with Anisotropic Water Penetration. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19679-19685.	6.7	11
29	Polytetrafluoroethylene/Polyphenylene Sulfide Needle-Punched Triboelectric Air Filter for Efficient Particulate Matter Removal. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48437-48449.	8.0	47
30	Tensile Strength and Dispersibility of Pulp/Danufil Wet-Laid Hydroentangled Nonwovens. <i>Materials</i> , 2019, 12, 3931.	2.9	5
31	Effects of short-cut fiber type and water-jet pressure sum on wet strength and dispersibility of wood pulp-based wetlaid/spunlace wipes. <i>European Journal of Wood and Wood Products</i> , 2019, 77, 33-43.	2.9	10
32	Toxic effects of ammonia on the embryonic development of the cuttlefish <i>Sepia pharaonis</i> . <i>Aquaculture Research</i> , 2019, 50, 505-512.	1.8	2
33	A new dispersible moist wipe from wetlaid/spunlace nonwoven: Development and characterization. <i>Journal of Industrial Textiles</i> , 2019, 48, 1136-1150.	2.4	20
34	Comparing accuracy of the methods of polytetrafluoroethylene fiber linear density measurement. <i>Textile Research Journal</i> , 2019, 89, 675-687.	2.2	0
35	Environmentally friendly and breathable wet-laid hydroentangled nonwovens for personal hygiene care with excellent water absorbency and flushability. <i>Royal Society Open Science</i> , 2018, 5, 171486.	2.4	26
36	Honeycomb-like polysulphone/polyurethane nanofiber filter for the removal of organic/inorganic species from air streams. <i>Journal of Hazardous Materials</i> , 2018, 347, 325-333.	12.4	67

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37	Baicalein sensitizes hepatocellular carcinoma cells to 5-FU and Epirubicin by activating apoptosis and ameliorating P-glycoprotein activity. <i>Biomedicine and Pharmacotherapy</i> , 2018, 98, 806-812.	5.6	38
38	Design of electret polypropylene melt blown air filtration material containing nucleating agent for effective PM2.5 capture. <i>RSC Advances</i> , 2018, 8, 7932-7941.	3.6	112
39	Online prediction of the filtration performance of polypropylene melt blown nonwovens by blue-colored glow. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45948.	2.6	15
40	Repetitive restraint stress changes spleen immune cell subsets through glucocorticoid receptor or β -adrenergic receptor in a stage dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1108-1114.	2.1	36
41	Controlling the Secondary Surface Morphology of Electrospun PVDF Nanofibers by Regulating the Solvent and Relative Humidity. <i>Nanoscale Research Letters</i> , 2018, 13, 285.	5.7	76
42	Triboelectric Effect of Polytetrafluoroethylene Fibers to Improve the Filtration Performance of Air-Purified Materials. <i>Journal of Engineered Fibers and Fabrics</i> , 2018, 13, 155892501801300.	1.0	2
43	Fabrication of a polyvinylidene fluoride cactus-like nanofiber through one-step electrospinning. <i>RSC Advances</i> , 2018, 8, 42353-42360.	3.6	49
44	Histone-lysine N-methyltransferase SETD7 is a potential serum biomarker for colorectal cancer patients. <i>EBioMedicine</i> , 2018, 37, 134-143.	6.1	23
45	Poly(butylene terephthalate) Fiber Assembly with Controllable Pore Size and Gradient Wettability: Potential in Simplifying Cell Culture Procedure. <i>ACS Macro Letters</i> , 2018, 7, 1192-1197.	4.8	5
46	Multifunctional polyethylene (PE)/polypropylene (PP) bicomponent fiber filter with anchored nanocrystalline MnO ₂ for effective air purification. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14856-14866.	10.3	58
47	An electrospun poly(μ -caprolactone) nanocomposite fibrous mat with a high content of hydroxyapatite to promote cell infiltration. <i>RSC Advances</i> , 2018, 8, 25228-25235.	3.6	27
48	High-efficiency catalytic performance over mesoporous Ni/beta zeolite for the synthesis of quinoline from glycerol and aniline. <i>RSC Advances</i> , 2017, 7, 9551-9561.	3.6	29
49	Ampicillin-incorporated alginate-chitosan fibers from microfluidic spinning and for vitro release. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 1408-1425.	3.5	13
50	Improved performances of lithium-ion batteries with a separator based on inorganic fibers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 311-318.	10.3	96
51	Double-grooved nanofibre surfaces with enhanced anisotropic hydrophobicity. <i>Nanoscale</i> , 2017, 9, 16214-16222.	5.6	30
52	Low resistance bicomponent spunbond materials for fresh air filtration with ultra-high dust holding capacity. <i>RSC Advances</i> , 2017, 7, 43879-43887.	3.6	44
53	Hierarchically structured TiO ₂ /PAN nanofibrous membranes for high-efficiency air filtration and toluene degradation. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 386-396.	9.4	111
54	Design, synthesis and biological evaluation of hesperetin derivatives as potent anti-inflammatory agent. <i>FA-toterap</i> , 2017, 121, 212-222.	2.2	22

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55	Dual micelles loaded gelatin nanofibers and their application in lipopolysaccharide-induced periodontal disease. <i>Journal of Controlled Release</i> , 2017, 259, e163.	9.9	0
56	Baicalein: A review of its anti-cancer effects and mechanisms in Hepatocellular Carcinoma. <i>Biomedicine and Pharmacotherapy</i> , 2017, 93, 1285-1291.	5.6	126
57	Preparation and characterization of nanoparticle reinforced alginate fibers with high porosity for potential wound dressing application. <i>RSC Advances</i> , 2017, 7, 39349-39358.	3.6	27
58	Influence of K^+ and NH_4^+ ions on the degradation of wet-spun alginate fibers for tissue engineering. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	8
59	Direct Electrospinning of Ultrafine Fibers with Interconnected Macropores Enabled by in Situ Mixing Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34870-34878.	8.0	31
60	Nanocrystalline MnO_2 on an activated carbon fiber for catalytic formaldehyde removal. <i>RSC Advances</i> , 2016, 6, 97022-97029.	3.6	59
61	A comparison of nanoscale and multiscale PCL/gelatin scaffolds prepared by disc-electrospinning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 632-641.	5.0	40
62	Evaluation of in vitro and in vivo biocompatibility of a myo-inositol hexakisphosphate gelled polyaniline hydrogel in a rat model. <i>Scientific Reports</i> , 2016, 6, 23931.	3.3	42
63	A comparative study of characteristics of polytetrafluoroethylene fibers manufactured by various processes. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	4
64	Regenerated collagen fibers with grooved surface texture: Physicochemical characterization and cytocompatibility. <i>Materials Science and Engineering C</i> , 2016, 58, 750-756.	7.3	14
65	A directional liquid-transfer nonwoven for skin tissue engineering. <i>Journal of Controlled Release</i> , 2015, 213, e18-e19.	9.9	1
66	Electrospinning of Grooved Polystyrene Fibers: Effect of Solvent Systems. <i>Nanoscale Research Letters</i> , 2015, 10, 949.	5.7	52
67	MicroRNA-214 suppresses the proliferation of human hepatocellular carcinoma cells by targeting E2F3. <i>Oncology Letters</i> , 2015, 10, 3779-3784.	1.8	21
68	Proteomic Profiling of Invasive Ductal Carcinoma (IDC) using Magnetic Beads-based Serum Fractionation and MALDI-TOF MS. <i>Journal of Clinical Laboratory Analysis</i> , 2015, 29, 321-327.	2.1	12
69	A multi-layered vascular scaffold with symmetrical structure by bi-directional gradient electrospinning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 179-188.	5.0	52
70	Electrospun poly(l -lactide-co-caprolactone)-collagen-chitosan vascular graft in a canine femoral artery model. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5760-5768.	5.8	36
71	Nerve Guidance Conduits from Aligned Nanofibers: Improvement of Nerve Regeneration through Longitudinal Nanogrooves on a Fiber Surface. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7189-7196.	8.0	118
72	Electronic structure and optical properties of boron-sulfur symmetric codoping in 4 Å ² 4 graphene systems. <i>European Physical Journal B</i> , 2015, 88, 1.	1.5	11

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73	Nerve conduits constructed by electrospun P(LLA-CL) nanofibers and PLLA nanofiber yarns. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8823-8831.	5.8	50
74	Serum peptidome based biomarkers searching for monitoring minimal residual disease in adult acute lymphocytic leukemia. <i>Proteome Science</i> , 2014, 12, 49.	1.7	22
75	Wettability Improvement of Poly (Butylene Terephthalate) Nanofibrous Mats Prepared via Electrospinning by Blending With Regenerated Silk Fibroin. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 1629-1641.	1.0	2
76	Needle-punched nonwoven matrix from regenerated collagen fiber for cartilage tissue engineering. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	8
77	Additional noradrenergic depletion aggravates forelimb akinesia and abnormal subthalamic nucleus activity in a rat model of Parkinson's disease. <i>Life Sciences</i> , 2014, 119, 18-27.	4.3	1
78	Disc-Electrospun Nano/Macro-Scale PCL Fibers with Nanoporous Structure. <i>Advanced Materials Research</i> , 2014, 893, 124-127.	0.3	0
79	A terrified-sound stress induced proteomic changes in adult male rat hippocampus. <i>Physiology and Behavior</i> , 2014, 128, 32-38.	2.1	7
80	A novel heparin loaded poly(L-lactide-co-caprolactone) covered stent for aneurysm therapy. <i>Materials Letters</i> , 2014, 116, 39-42.	2.6	16
81	Tailoring the grooved texture of electrospun polystyrene nanofibers by controlling the solvent system and relative humidity. <i>Nanoscale Research Letters</i> , 2014, 9, 350.	5.7	28
82	Three-dimensional polycaprolactone scaffold via needleless electrospinning promotes cell proliferation and infiltration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 432-443.	5.0	78
83	Cell Infiltration and Vascularization in Porous Nanoyarn Scaffolds Prepared by Dynamic Liquid Electrospinning. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 603-614.	1.1	66
84	Disc-electrospun cellulose acetate butyrate nanofibers show enhanced cellular growth performances. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 115-122.	4.0	23
85	Potential biomarkers for adult acute myeloid leukemia minimal residual disease assessment searched by serum peptidome profiling. <i>Proteome Science</i> , 2013, 11, 39.	1.7	27
86	Study on Needle and Needleless Electrospinning for Nanofibers. <i>Advanced Materials Research</i> , 2013, 750-752, 276-279.	0.3	5
87	Heparin Loading and Pre-endothelialization in Enhancing the Patency Rate of Electrospun Small-Diameter Vascular Grafts in a Canine Model. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2220-2226.	8.0	65
88	Fabrication of Silk Fibroin/P(LLA-CL) Aligned Nanofibrous Scaffolds for Nerve Tissue Engineering. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 565-574.	3.6	29
89	Electrospinning collagen/chitosan/poly(L-lactide-co- ϵ -caprolactone) to form a vascular graft: Mechanical and biological characterization. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1292-1301.	4.0	106
90	Dysregulation of miRNAs and their potential as biomarkers for the diagnosis of gastric cancer. <i>Biomedical Reports</i> , 2013, 1, 907-912.	2.0	18

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91	Fabrication of Seamless Electrospun Collagen/PLGA Conduits Whose Walls Comprise Highly Longitudinal Aligned Nanofibers for Nerve Regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 931-943.	1.1	50
92	Needleless Electrospinning of Polystyrene Fibers with an Oriented Surface Line Texture. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	2.7	20
93	Antimicrobial electrospun nanofibers of cellulose acetate and polyester urethane composite for wound dressing. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1556-1565.	3.4	163
94	Preparation of composite tubular grafts for vascular repair via electrospinning. <i>Progress in Natural Science: Materials International</i> , 2012, 22, 108-114.	4.4	17
95	Electrospinning of nanofibres with parallel line surface texture for improvement of nerve cell growth. <i>Soft Matter</i> , 2011, 7, 10812.	2.7	62
96	Degradation of electrospun SF/P(LLA-CL) blended nanofibrous scaffolds in vitro. <i>Polymer Degradation and Stability</i> , 2011, 96, 2266-2275.	5.8	40
97	Electrospun collagen-chitosan-TPU nanofibrous scaffolds for tissue engineered tubular grafts. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 307-315.	5.0	201
98	Electrospun Silk Fibroin-Hydroxybutyl Chitosan Nanofibrous Scaffolds to Biomimic Extracellular Matrix. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 1069-1082.	3.5	29
99	Electrospun scaffolds from silk fibroin and their cellular compatibility. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 976-983.	4.0	34
100	Fabrication of silk fibroin blended P(LLA-CL) nanofibrous scaffolds for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 984-993.	4.0	75
101	Genipin-crosslinked silk fibroin/hydroxybutyl chitosan nanofibrous scaffolds for tissue engineering application. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 870-881.	4.0	106
102	Preparation and characterization of coaxial electrospun thermoplastic polyurethane/collagen compound nanofibers for tissue engineering applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 315-325.	5.0	179
103	Poly(L-lactide-co-ε-caprolactone) electrospun nanofibers for encapsulating and sustained releasing proteins. <i>Polymer</i> , 2009, 50, 4212-4219.	3.8	86
104	Detection of CCND1 amplification using laser capture microdissection coupled with real-time polymerase chain reaction in human esophageal squamous cell carcinoma. <i>Cancer Genetics and Cytogenetics</i> , 2007, 175, 19-25.	1.0	26
105	Improvement of Uniformity of Needleless Electrospun Nanofibers. <i>Advanced Materials Research</i> , 0, 821-822, 200-203.	0.3	0