

Chen Huang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1026743/chen-huang-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

2,851
citations

30
h-index

49
g-index

109
ext. papers

3,389
ext. citations

5.5
avg, IF

5.31
L-index

#	Paper	IF	Citations
105	Electrospun collagen-chitosan-TPU nanofibrous scaffolds for tissue engineered tubular grafts. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 82, 307-15	6	179
104	Preparation and characterization of coaxial electrospun thermoplastic polyurethane/collagen compound nanofibers for tissue engineering applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 79, 315-25	6	147
103	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 , 100, 1556-65	3.5	142
102	Electrospinning collagen/chitosan/poly(L-lactic acid-co-ε-caprolactone) to form a vascular graft: mechanical and biological characterization. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 1292-301	5.4	95
101	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, 7189-96	9.5	92
100	Genipin-crosslinked silk fibroin/hydroxybutyl chitosan nanofibrous scaffolds for tissue-engineering application. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 95, 870-81	5.4	88
99	Hierarchically structured TiO/PAN nanofibrous membranes for high-efficiency air filtration and toluene degradation. <i>Journal of Colloid and Interface Science</i> , 2017 , 507, 386-396	9.3	83
98	Baicalein: A review of its anti-cancer effects and mechanisms in Hepatocellular Carcinoma. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 93, 1285-1291	7.5	81
97	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	3.7	80
96	Poly(l-lactide-co-ε-caprolactone) electrospun nanofibers for encapsulating and sustained releasing proteins. <i>Polymer</i> , 2009 , 50, 4212-4219	3.9	78
95	Improved performances of lithium-ion batteries with a separator based on inorganic fibers. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 311-318	13	69
94	Three-dimensional polycaprolactone scaffold via needleless electrospinning promotes cell proliferation and infiltration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 121, 432-43	6	69
93	Cell infiltration and vascularization in porous nanoyarn scaffolds prepared by dynamic liquid electrospinning. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 603-14	4	53
92	Electrospinning of nanofibres with parallel line surface texture for improvement of nerve cell growth. <i>Soft Matter</i> , 2011 , 7, 10812	3.6	51
91	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, 2220-6	9.5	49
90	Fabrication of silk fibroin blended P(LLA-CL) nanofibrous scaffolds for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 93, 984-93	5.4	49
89	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	47

88	A multi-layered vascular scaffold with symmetrical structure by bi-directional gradient electrospinning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 133, 179-88	6	46
87	Nerve conduits constructed by electrospun P(LLA-CL) nanofibers and PLLA nanofiber yarns. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8823-8831	7.3	40
86	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, 931-43	4	40
85	Electrospinning of Grooved Polystyrene Fibers: Effect of Solvent Systems. <i>Nanoscale Research Letters</i> , 2015 , 10, 949	5	39
84	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	12.8	38
83	Degradation of electrospun SF/P(LLA-CL) blended nanofibrous scaffolds in vitro. <i>Polymer Degradation and Stability</i> , 2011 , 96, 2266-2275	4.7	38
82	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	13	38
81	Nanocrystalline MnO ₂ on an activated carbon fiber for catalytic formaldehyde removal. <i>RSC Advances</i> , 2016 , 6, 97022-97029	3.7	37
80	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	9.5	35
79	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	4.9	34
78	Low resistance bicomponent spunbond materials for fresh air filtration with ultra-high dust holding capacity. <i>RSC Advances</i> , 2017 , 7, 43879-43887	3.7	34
77	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	7.3	33
76	Fabrication of a polyvinylidene fluoride cactus-like nanofiber through one-step electrospinning.. <i>RSC Advances</i> , 2018 , 8, 42353-42360	3.7	32
75	A comparison of nanoscale and multiscale PCL/gelatin scaffolds prepared by disc-electrospinning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 146, 632-41	6	30
74	Maneuvering surface structures of polyvinylidene fluoride nanofibers by controlling solvent systems and polymer concentration. <i>Textile Reseach Journal</i> , 2019 , 89, 2406-2422	1.7	28
73	Double-grooved nanofibre surfaces with enhanced anisotropic hydrophobicity. <i>Nanoscale</i> , 2017 , 9, 16214-16227	4.1	27
72	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	26
71	Direct Electrospinning of Ultrafine Fibers with Interconnected Macropores Enabled by in Situ Mixing Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34870-34878	9.5	26

70	A review on piezoelectric fibers and nanowires for energy harvesting. <i>Journal of Industrial Textiles</i> , 2019 , 152808371987019	1.6	25
69	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	25
68	Fabrication of Silk Fibroin/P(LLA-CL) Aligned Nanofibrous Scaffolds for Nerve Tissue Engineering. <i>Macromolecular Materials and Engineering</i> , 2013 , 298, 565-574	3.9	25
67	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	3.4	24
66	Potential biomarkers for adult acute myeloid leukemia minimal residual disease assessment searched by serum peptidome profiling. <i>Proteome Science</i> , 2013 , 11, 39	2.6	23
65	Polytetrafluoroethylene/Polyphenylene Sulfide Needle-Punched Triboelectric Air Filter for Efficient Particulate Matter Removal. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 48437-48449	9.5	23
64	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	3.3	22
63	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	7.5	22
62	Electrospun silk fibroin-hydroxybutyl chitosan nanofibrous scaffolds to biomimic extracellular matrix. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011 , 22, 1069-82	3.5	22
61	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	9.6	21
60	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		21
59	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	3.7	20
58	Chronic restraint stress promotes hepatocellular carcinoma growth by mobilizing splenic myeloid cells through activating β adrenergic signaling. <i>Brain, Behavior, and Immunity</i> , 2019 , 80, 825-838	16.6	19
57	Online fabrication of ultralight, three-dimensional, and structurally stable ultrafine fibre assemblies with a double-porous feature. <i>Nanoscale</i> , 2019 , 11, 8185-8195	7.7	19
56	MicroRNA-214 suppresses the proliferation of human hepatocellular carcinoma cells by targeting E2F3. <i>Oncology Letters</i> , 2015 , 10, 3779-3784	2.6	19
55	Electrospun scaffolds from silk fibroin and their cellular compatibility. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 93, 976-83	5.4	19
54	Preparation and characterization of nanoparticle reinforced alginate fibers with high porosity for potential wound dressing application. <i>RSC Advances</i> , 2017 , 7, 39349-39358	3.7	18
53	Dysregulation of miRNAs and their potential as biomarkers for the diagnosis of gastric cancer. <i>Biomedical Reports</i> , 2013 , 1, 907-912	1.8	18

52	An electrospun poly(ϵ -caprolactone) nanocomposite fibrous mat with a high content of hydroxyapatite to promote cell infiltration.. <i>RSC Advances</i> , 2018 , 8, 25228-25235	3.7	17
51	Disc-electrospun cellulose acetate butyrate nanofibers show enhanced cellular growth performances. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 115-22	5.4	17
50	Enhanced efficacy of baicalin-loaded TPGS polymeric micelles against periodontitis. <i>Materials Science and Engineering C</i> , 2019 , 101, 387-395	8.3	16
49	Humic acid-assisted autohydrolysis of waste wheat straw to sustainably improve enzymatic hydrolysis. <i>Bioresource Technology</i> , 2020 , 306, 123103	11	16
48	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	11.7	16
47	A novel heparin loaded poly(l-lactide-co-caprolactone) covered stent for aneurysm therapy. <i>Materials Letters</i> , 2014 , 116, 39-42	3.3	16
46	Preparation of composite tubular grafts for vascular repair via electrospinning. <i>Progress in Natural Science: Materials International</i> , 2012 , 22, 108-114	3.6	16
45	Serum peptidome based biomarkers searching for monitoring minimal residual disease in adult acute lymphocytic leukemia. <i>Proteome Science</i> , 2014 , 12, 49	2.6	16
44	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	13.6	16
43	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	2.9	15
42	Needleless Electrospinning of Polystyrene Fibers with an Oriented Surface Line Texture. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-7	3.2	15
41	A new dispersible moist wipe from wetlaid/spunlace nonwoven: Development and characterization. <i>Journal of Industrial Textiles</i> , 2019 , 48, 1136-1150	1.6	15
40	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	7.8	14
39	Regenerated collagen fibers with grooved surface texture: Physicochemical characterization and cytocompatibility. <i>Materials Science and Engineering C</i> , 2016 , 58, 750-6	8.3	12
38	The effects of exogenous ash on the autohydrolysis and enzymatic hydrolysis of wheat straw. <i>Bioresource Technology</i> , 2019 , 286, 121411	11	12
37	Design, synthesis and biological evaluation of hesperetin derivatives as potent anti-inflammatory agent. <i>Phytotherapy</i> 2017 , 121, 212-222	3.2	12
36	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, 321-7	3	12
35	Grooved Fibers: Preparation Principles Through Electrospinning and Potential Applications. <i>Advanced Fiber Materials</i> , 1	10.9	12

34	Histone-lysine N-methyltransferase SETD7 is a potential serum biomarker for colorectal cancer patients. <i>EBioMedicine</i> , 2018 , 37, 134-143	8.8	12
33	Dual micelles-loaded gelatin nanofibers and their application in lipopolysaccharide-induced periodontal disease. <i>International Journal of Nanomedicine</i> , 2019 , 14, 963-976	7.3	11
32	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	2.9	11
31	Multi-Layered, Corona Charged Melt Blown Nonwovens as High Performance PM Air Filters. <i>Polymers</i> , 2021 , 13,	4.5	10
30	Electronic structure and optical properties of boron-sulfur symmetric codoping in 4 × 4 graphene systems. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	9
29	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	2.3	9
28	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 ^{2.1}		8
27	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	7
26	Needle-punched nonwoven matrix from regenerated collagen fiber for cartilage tissue engineering. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	6
25	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	13	6
24	Study on Needle and Needleless Electrospinning for Nanofibers. <i>Advanced Materials Research</i> , 2013 , 750-752, 276-279	0.5	4
23	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	0.9	4
22	Green and Scalable Fabrication of Nonwoven Composites Featured with Anisotropic Water Penetration. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19679-19685	8.3	4
21	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 ^{14.7}		4
20	A comparative study of characteristics of polytetrafluoroethylene fibers manufactured by various processes. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	3
19	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	1.5	3
18	Tensile Strength and Dispersibility of Pulp/Danufil Wet-Laid Hydroentangled Nonwovens. <i>Materials</i> , 2019 , 12,	3.5	3
17	A terrified-sound stress induced proteomic changes in adult male rat hippocampus. <i>Physiology and Behavior</i> , 2014 , 128, 32-8	3.5	2

16	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	1.4	2
15	Enhanced air filtration performances by coating aramid nanofibres on a melt-blown nonwoven.. <i>Nanoscale</i> , 2021 ,	7.7	2
14	Toxic effects of ammonia on the embryonic development of the cuttlefish <i>Sepia pharaonis</i> . <i>Aquaculture Research</i> , 2019 , 50, 505-512	1.9	2
13	Influence of K ⁺ and Na ⁺ ions on the degradation of wet-spun alginate fibers for tissue engineering. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	1
12	A directional liquid-transfer nonwoven for skin tissue engineering. <i>Journal of Controlled Release</i> , 2015 , 213, e18-9	11.7	1
11	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	6.8	1
10	Unrevealing model compounds of soil conditioners impacts on the wheat straw autohydrolysis efficiency and enzymatic hydrolysis. <i>Biotechnology for Biofuels</i> , 2020 , 13, 122	7.8	1
9	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	6.6	1
8	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	2.4	0
7	Analysis of Competing Endogenous RNAs and MicroRNAs in Tea () Leaves During Infection by the Leaf Spot Pathogen .. <i>Molecular Plant-Microbe Interactions</i> , 2022 , MPMI10210262A	3.6	0
6	Downy feather-like para-aramid fibers and nonwovens with enhanced absorbency, air filtration and thermal insulation performances. <i>Nano Research</i> , 1	10	0
5	Dual micelles loaded gelatin nanofibers and their application in lipopolysaccharide-induced periodontal disease. <i>Journal of Controlled Release</i> , 2017 , 259, e163	11.7	
4	Disc-Electrospun Nano/Macro-Scale PCL Fibers with Nanoporous Structure. <i>Advanced Materials Research</i> , 2014 , 893, 124-127	0.5	
3	Improvement of Uniformity of Needleless Electrospun Nanofibers. <i>Advanced Materials Research</i> , 2013 , 821-822, 200-203	0.5	
2	Comparing accuracy of the methods of polytetrafluoroethylene fiber linear density measurement. <i>Textile Research Journal</i> , 2019 , 89, 675-687	1.7	
1	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	0.9	