

Junzi Wu

List of Publications by Year in descending order

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99
papers

3,508
citations

101384

36
h-index

155451

55
g-index

100
all docs

100
docs citations

100
times ranked

4622
citing authors

#	ARTICLE	IF	CITATIONS
1	Oral fast-dissolving drug delivery membranes prepared from electrospun polyvinylpyrrolidone ultrafine fibers. <i>Nanotechnology</i> , 2009, 20, 055104.	1.3	239
2	Electrospun gelatin nanofibers loaded with vitamins A and E as antibacterial wound dressing materials. <i>RSC Advances</i> , 2016, 6, 50267-50277.	1.7	127
3	Platelet-membrane-biomimetic nanoparticles for targeted antitumor drug delivery. <i>Journal of Nanobiotechnology</i> , 2019, 17, 60.	4.2	122
4	Thermosensitive nanofibers loaded with ciprofloxacin as antibacterial wound dressing materials. <i>International Journal of Pharmaceutics</i> , 2017, 517, 135-147.	2.6	96
5	Platelet membrane biomimetic bufalin-loaded hollow MnO ₂ nanoparticles for MRI-guided chemo-chemodynamic combined therapy of cancer. <i>Chemical Engineering Journal</i> , 2020, 382, 122848.	6.6	94
6	Novel oral fast-disintegrating drug delivery devices with predefined inner structure fabricated by Three-Dimensional Printing. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 323-329.	1.2	92
7	Electrospun Poly(N-isopropylacrylamide)/Ethyl Cellulose Nanofibers as Thermo-responsive Drug Delivery Systems. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1104-1112.	1.6	87
8	Functionalized MoS ₂ nanosheet-capped periodic mesoporous organosilicas as a multifunctional platform for synergistic targeted chemo-photothermal therapy. <i>Chemical Engineering Journal</i> , 2018, 342, 90-102.	6.6	82
9	Functionalized MoS ₂ -nanosheets for targeted drug delivery and chemo-photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 101-108.	2.5	82
10	Electrospinning for healthcare: recent advancements. <i>Journal of Materials Chemistry B</i> , 2021, 9, 939-951.	2.9	81
11	Solid dispersions in the form of electrospun core-sheath nanofibers. <i>International Journal of Nanomedicine</i> , 2011, 6, 3271.	3.3	80
12	Chemodrug-Gated Biodegradable Hollow Mesoporous Organosilica Nanotheranostics for Multimodal Imaging-Guided Low-Temperature Photothermal Therapy/Chemotherapy of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42115-42126.	4.0	80
13	Regenerated chitin fibers reinforced with bacterial cellulose nanocrystals as suture biomaterials. <i>Carbohydrate Polymers</i> , 2018, 180, 304-313.	5.1	79
14	Time-engineered biphasic drug release by electrospun nanofiber meshes. <i>International Journal of Pharmaceutics</i> , 2012, 436, 88-96.	2.6	78
15	Ultrafine ibuprofen-loaded polyvinylpyrrolidone fiber mats using electrospinning. <i>Polymer International</i> , 2009, 58, 1010-1013.	1.6	74
16	A Multifunctional Biodegradable Nanocomposite for Cancer Theranostics. <i>Advanced Science</i> , 2019, 6, 1802001.	5.6	72
17	Self-assembled liposomes from amphiphilic electrospun nanofibers. <i>Soft Matter</i> , 2011, 7, 8239.	1.2	67
18	Coaxial electrospinning with organic solvent for controlling the size of self-assembled nanoparticles. <i>Chemical Communications</i> , 2011, 47, 1216-1218.	2.2	64

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19	Biodegradable, pH-Sensitive Hollow Mesoporous Organosilica Nanoparticle (HMON) with Controlled Release of Pirfenidone and Ultrasound-Target-Microbubble-Destruction (UTMD) for Pancreatic Cancer Treatment. <i>Theranostics</i> , 2019, 9, 6002-6018.	4.6	61
20	A novel chitosan-based nanomedicine for multi-drug resistant breast cancer therapy. <i>Chemical Engineering Journal</i> , 2019, 369, 134-149.	6.6	61
21	A chitosan-based cascade-responsive drug delivery system for triple-negative breast cancer therapy. <i>Journal of Nanobiotechnology</i> , 2019, 17, 95.	4.2	58
22	Electrospinning of Concentrated Polymer Solutions. <i>Macromolecules</i> , 2010, 43, 10743-10746.	2.2	57
23	Hollow Mesoporous Silica Nanoparticles Gated by Chitosan-Copper Sulfide Composites as Theranostic Agents for the Treatment of Breast Cancer. <i>Acta Biomaterialia</i> , 2021, 126, 408-420.	4.1	57
24	Tunable drug release from blend poly(vinyl pyrrolidone)-ethyl cellulose nanofibers. <i>International Journal of Pharmaceutics</i> , 2019, 562, 172-179.	2.6	54
25	Lipase-catalyzed transesterification of soybean oil for biodiesel production in tert-amyl alcohol. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 41-46.	1.7	53
26	Poly(N-isopropylacrylamide)/poly(L-lactic acid-co-ε-caprolactone) fibers loaded with ciprofloxacin as wound dressing materials. <i>Materials Science and Engineering C</i> , 2017, 79, 245-254.	3.8	53
27	Pluronic F127-based micelles for tumor-targeted bufalin delivery. <i>International Journal of Pharmaceutics</i> , 2019, 559, 289-298.	2.6	51
28	Biomaterialized Bimetallic Oxide Nanotheranostics for Multimodal Imaging-Guided Combination Therapy. <i>Theranostics</i> , 2020, 10, 841-855.	4.6	50
29	Insulin-loaded PLGA microspheres for glucose-responsive release. <i>Drug Delivery</i> , 2017, 24, 1513-1525.	2.5	49
30	The effect of collection substrate on electrospun ciprofloxacin-loaded poly(vinylpyrrolidone) and ethyl cellulose nanofibers as potential wound dressing materials. <i>Materials Science and Engineering C</i> , 2019, 104, 109917.	3.8	49
31	Functionalized boron nanosheets as an intelligent nanoplatform for synergistic low-temperature photothermal therapy and chemotherapy. <i>Nanoscale</i> , 2020, 12, 14739-14750.	2.8	49
32	Solid Dispersions of Ketoprofen in Drug-Loaded Electrospun Nanofibers. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 902-908.	1.3	48
33	Dual-responsive nanoparticles based on chitosan for enhanced breast cancer therapy. <i>Carbohydrate Polymers</i> , 2019, 221, 84-93.	5.1	45
34	Dual temperature and pH responsive nanofiber formulations prepared by electrospinning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 142-149.	2.5	44
35	Sustained release of ethyl cellulose micro-particulate drug delivery systems prepared using electrospinning. <i>Journal of Materials Science</i> , 2012, 47, 1372-1377.	1.7	41
36	A thermosensitive drug delivery system prepared by blend electrospinning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 277-283.	2.5	37

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37	A multifunctional nanoplatform based on MoS ₂ -nanosheets for targeted drug delivery and chemo-photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110585.	2.5	37
38	Dual-responsive molybdenum disulfide/copper sulfide-based delivery systems for enhanced chemo-photothermal therapy. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 433-441.	5.0	35
39	Dual-responsive drug delivery systems prepared by blend electrospinning. <i>International Journal of Pharmaceutics</i> , 2018, 543, 1-7.	2.6	34
40	Erythrocyte Membrane Cloaked Curcumin-Loaded Nanoparticles for Enhanced Chemotherapy. <i>Pharmaceutics</i> , 2019, 11, 429.	2.0	34
41	Electrospun gelatin/sodium bicarbonate and poly(lactide-co- ϵ -caprolactone)/sodium bicarbonate nanofibers as drug delivery systems. <i>Materials Science and Engineering C</i> , 2017, 81, 359-365.	3.8	33
42	A Tumor Microenvironment-Responsive Biodegradable Mesoporous Nanosystem for Anti-Inflammation and Cancer Theranostics. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901307.	3.9	33
43	Synthesis and evaluation of temperature- and glucose-sensitive nanoparticles based on phenylboronic acid and N-vinylcaprolactam for insulin delivery. <i>Materials Science and Engineering C</i> , 2016, 69, 1026-1035.	3.8	29
44	Core-Sheath Nanofibers as Drug Delivery System for Thermo-responsive Controlled Release. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1258-1265.	1.6	29
45	A novel multifunctional biomedical material based on polyacrylonitrile: Preparation and characterization. <i>Materials Science and Engineering C</i> , 2016, 62, 702-709.	3.8	27
46	Core-shell poly(lactide-co- ϵ -caprolactone)-gelatin fiber scaffolds as pH-sensitive drug delivery systems. <i>Journal of Biomaterials Applications</i> , 2018, 32, 1105-1118.	1.2	27
47	Peptide functionalized dual-responsive nanoparticles for controlled paclitaxel release and enhanced apoptosis in breast cancer cells. <i>Drug Delivery</i> , 2018, 25, 1275-1288.	2.5	26
48	Stealth Polydopamine-Based Nanoparticles with Red Blood Cell Membrane for the Chemo-Photothermal Therapy of Cancer. <i>ACS Applied Bio Materials</i> , 2020, 3, 2350-2359.	2.3	26
49	Glucose- and temperature-sensitive nanoparticles for insulin delivery. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4037-4057.	3.3	25
50	Liraglutide-loaded poly(lactic-co-glycolic acid) microspheres: Preparation and in vivo evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 92, 28-38.	1.9	23
51	pH-responsive liposomes self-assembled from electrospayed microparticles, and their drug release properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 537, 20-27.	2.3	23
52	Co-delivery of doxorubicin and oleanolic acid by triple-sensitive nanocomposite based on chitosan for effective promoting tumor apoptosis. <i>Carbohydrate Polymers</i> , 2020, 247, 116672.	5.1	23
53	Bioresponsive Functional Phenylboronic Acid-Based Delivery System as an Emerging Platform for Diabetic Therapy. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 297-314.	3.3	23
54	The compatibility of acyclovir with polyacrylonitrile in the electrospun drug-loaded nanofibers. <i>Journal of Applied Polymer Science</i> , 2010, 117, 1509-1515.	1.3	22

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55	A simple route to form magnetic chitosan nanoparticles from coaxial-electrospun composite nanofibers. <i>Journal of Materials Science</i> , 2013, 48, 3991-3998.	1.7	22
56	Lectin recognizing thermoresponsive double hydrophilic glycopolymer micelles by RAFT polymerization. <i>RSC Advances</i> , 2014, 4, 34912-34921.	1.7	22
57	Fabrication and investigation of a biocompatible microfilament with high mechanical performance based on regenerated bacterial cellulose and bacterial cellulose. <i>Materials Science and Engineering C</i> , 2017, 79, 516-524.	3.8	20
58	Dimeric Her2-specific affibody mediated cisplatin-loaded nanoparticles for tumor enhanced chemo-radiotherapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 138.	4.2	20
59	Eupafolin Suppresses Esophagus Cancer Growth by Targeting T-LAK Cell-Originated Protein Kinase. <i>Frontiers in Pharmacology</i> , 2019, 10, 1248.	1.6	18
60	Nanoparticles prepared from pterostilbene reduce blood glucose and improve diabetes complications. <i>Journal of Nanobiotechnology</i> , 2021, 19, 191.	4.2	18
61	Phenylboronic acid-diol crosslinked 6-O-vinylazelaoyl-d-galactose nanocarriers for insulin delivery. <i>Materials Science and Engineering C</i> , 2017, 76, 845-855.	3.8	17
62	Electrospun oral formulations for combined photo-chemotherapy of colon cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110411.	2.5	17
63	Galactose-based polymer-containing phenylboronic acid as carriers for insulin delivery. <i>Nanotechnology</i> , 2020, 31, 395601.	1.3	17
64	Electrospun glycopolymer fibers for lectin recognition. <i>Polymer Chemistry</i> , 2014, 5, 3009-3017.	1.9	16
65	Synergistic Chemo-Photothermal Suppression of Cancer by Melanin Decorated MoO ₃ Nanosheets. <i>ACS Applied Bio Materials</i> , 2019, 2, 4356-4366.	2.3	16
66	Enzymatic Synthesis of Novel Feruloylated Lipids and Their Evaluation as Antioxidants. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2010, 87, 305-311.	0.8	14
67	Enzymatic Synthesis of Feruloylated Lipids: Comparison of the Efficiency of Vinyl Ferulate and Ethyl Ferulate as Substrates. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2010, 87, 1443-1449.	0.8	14
68	SH-Methylation of SH-Containing Heterocycles with Dimethyl Carbonate via Phase-Transfer Catalytic Reaction. <i>Synthetic Communications</i> , 2011, 41, 871-878.	1.1	13
69	Functionalized layered double hydroxide nanoparticles as an intelligent nanoplatform for synergistic photothermal therapy and chemotherapy of tumors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 210, 112261.	2.5	13
70	Mesoporous Doxorubicin-Loaded Polydopamine Nanoparticles Coated with a Platelet Membrane Suppress Tumor Growth in a Murine Model of Human Breast Cancer. <i>ACS Applied Bio Materials</i> , 2022, 5, 123-133.	2.3	13
71	Affinity Adsorption of Bromelain on Reactive Red 120 Immobilized Magnetic Composite Particles. <i>Separation Science and Technology</i> , 2011, 46, 473-482.	1.3	12
72	Facile fabrication of P(OVNG-co-NVCL) thermoresponsive double-hydrophilic glycopolymer nanofibers for sustained drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 209-216.	2.5	12

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73	Development of universal pH sensors based on textiles. Journal of Sol-Gel Science and Technology, 2015, 74, 641-649.	1.1	12
74	Optimization of Selective Lipase-Catalyzed Feruloylated Monoacylglycerols by Response Surface Methodology. JAOCS, Journal of the American Oil Chemists' Society, 2008, 85, 635-639.	0.8	10
75	Comparison of two electrospinning processes in obtaining finer polymer nanofibers. Fibers and Polymers, 2012, 13, 450-455.	1.1	10
76	Papain Adsorption on Chitosan-Coated Nylon-Based Immobilized Metal Ion (Cu ²⁺), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Technology, 2010, 45, 525-534.	1.3	7
77	Electrospun polyvinyl alcohol/carbon dioxide modified polyethyleneimine composite nanofiber scaffolds. Journal of Biomaterials Applications, 2015, 29, 1407-1417.	1.2	7
78	Novel glucose-responsive nanoparticles based on p-hydroxyphenethyl anisate and 3-acrylamidophenylboronic acid reduce blood glucose and ameliorate diabetic nephropathy. Materials Today Bio, 2022, 13, 100181.	2.6	7
79	Promotion of fibroblasts growth and collagen secretion by CA-nAg/Gelatin-FGF electrospun nanofibers as antibacterial wound dressing materials. Journal of Controlled Release, 2015, 213, e40.	4.8	6
80	Optimization of Mixed Cultivation of the Moderate Thermophilic Bioleaching Microorganisms for High Cell Density Using Statistical Methodology. Geomicrobiology Journal, 2019, 36, 224-231.	1.0	6
81	Self-assembled liposomes from electrospayed polymer-based microparticles. Colloid and Polymer Science, 2014, 292, 2325-2334.	1.0	5
82	Drug-loaded microparticles prepared by the one-step deposition of calcium carbonate/alginate onto cotton fabrics. Journal of Applied Polymer Science, 2015, 132, .	1.3	5
83	A new Glucose-Responsive delivery system based on Sulfonamide-phenylboronic acid for subcutaneous insulin injection. European Polymer Journal, 2021, 157, 110648.	2.6	5
84	Herbal Nanoformulations for Asthma Treatment. Current Pharmaceutical Design, 2022, 28, 46-57.	0.9	2
85	Polymers Based on Phenyl Boric Acid in Tumor-Targeted Therapy. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 2288-2296.	0.9	2
86	Cu ²⁺ -Chelating Mesoporous Silica Nanoparticles for Synergistic Chemotherapy/Chemodynamic Therapy. Pharmaceutics, 2022, 14, 1200.	2.0	2
87	Rheological characteristics of drug-loaded microemulsions and their printability in three dimensional printing systems. Central South University, 2008, 15, 88-92.	0.5	1
88	The purification and characterization of deoxycytidine kinase from calf thymus. World Journal of Microbiology and Biotechnology, 2009, 25, 475-480.	1.7	1
89	4-Hydroxyphenylacetic Acid as a Monophenolase Inhibitor and a Diphenolase Activator on Mushroom Tyrosinase. , 2009, , .		1
90	Preparation and Release Dynamic of Ibuprofen Polymeric Prodrug with Glucose Pendant. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1

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91	Cancer Theranostics: A Tumor Microenvironment-Responsive Biodegradable Mesoporous Nanosystem for Anti-Inflammation and Cancer Theranostics (Adv. Healthcare Mater. 2/2020). Advanced Healthcare Materials, 2020, 9, 2070007.	3.9	1
92	Literature Review on the Use of Herbal Extracts in the Treatment of Non- Alcoholic Fatty Liver Disease. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2022, 22, 1123-1145.	0.6	1
93	Kinetic Analysis of Aminoethylisothiourea on Diphenolase of Mushroom Tyrosinase. , 2009, , .		0
94	Degradation of Hemicelluloses of Cottonseed Coat by Xylanase. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
95	Synthesis of Functional Feruloylated Lipids through Enzymatic Irreversible Transesterification Protocols. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
96	Notice of Retraction: The Optimization of the Bio-Panning Process of the Affinity Ligand of Tyrosinase by Phage Display Technology. , 2011, , .		0
97	Lung-targeted thermosensitive double-hydrophilic block glycopolymer micelles by RAFT polymerization. Journal of Controlled Release, 2015, 213, e65.	4.8	0
98	Construction of Nano-Carriers Coated with Platelet Membrane and Its Application in Targeted Therapy of Inflammation. Nano, 2021, 16, .	0.5	0
99	Nanoparticles capable of managing hypoglycemia and preventing myocardial ischemia-reperfusion injury. Journal of Applied Polymer Science, 0, , 51758.	1.3	0