

Wujin Sun

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

9,143
citations

57681

46
h-index

58552

86
g-index

90
all docs

90
docs citations

90
times ranked

12800
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-Responsive doxorubicin delivery using shear-thinning biomaterials for localized melanoma treatment. <i>Nanoscale</i> , 2022, 14, 350-360.	2.8	15
2	A Dual-Cross-Linked Hydrogel Patch for Promoting Diabetic Wound Healing. <i>Small</i> , 2022, 18, e2106172.	5.2	98
3	Flexible patch with printable and antibacterial conductive hydrogel electrodes for accelerated wound healing. <i>Biomaterials</i> , 2022, 285, 121479.	5.7	68
4	Co-Electrospun Silk Fibroin and Gelatin Methacryloyl Sheet Seeded with Mesenchymal Stem Cells for Tendon Regeneration. <i>Small</i> , 2022, 18, e2107714.	5.2	23
5	Biofabrication of endothelial cell, dermal fibroblast, and multilayered keratinocyte layers for skin tissue engineering. <i>Biofabrication</i> , 2021, 13, 035030.	3.7	54
6	Multi-Dimensional Printing for Bone Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001986.	3.9	41
7	Injectable open-porous PLGA microspheres as cell carriers for cartilage regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2091-2100.	2.1	26
8	Reconstructing the tumor architecture into organoids. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113839.	6.6	20
9	Cancer-on-a-Chip for Modeling Immune Checkpoint Inhibitor and Tumor Interactions. <i>Small</i> , 2021, 17, e2004282.	5.2	30
10	Electrochemical cytosensors for detection of breast cancer cells. <i>Biosensors and Bioelectronics</i> , 2020, 151, 111984.	5.3	69
11	Non-transdermal microneedles for advanced drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2020, 165-166, 41-59.	6.6	80
12	Hydrogel-Enabled Transfer Printing of Conducting Polymer Films for Soft Organic Bioelectronics. <i>Advanced Functional Materials</i> , 2020, 30, 1906016.	7.8	55
13	Engineering Antiviral Vaccines. <i>ACS Nano</i> , 2020, 14, 12370-12389.	7.3	50
14	Engineered Microneedle Patches for Controlled Release of Active Compounds: Recent Advances in Release Profile Tuning. <i>Advanced Therapeutics</i> , 2020, 3, 2000171.	1.6	52
15	Wearable Tactile Sensors: Gelatin Methacryloyl-Based Tactile Sensors for Medical Wearables (Adv.) <i>TJ ETQq1 1 0.784314 rgBT / Over</i>	7.8	96
16	Microneedle-based bioassays. <i>Nanoscale Advances</i> , 2020, 2, 4295-4304.	2.2	16
17	Combined Effects of Electric Stimulation and Microgrooves in Cardiac Tissue-on-a-Chip for Drug Screening. <i>Small Methods</i> , 2020, 4, 2000438.	4.6	15
18	Gelatin Methacryloyl-Based Tactile Sensors for Medical Wearables. <i>Advanced Functional Materials</i> , 2020, 30, 2003601.	7.8	112

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19	Biodegradable Cyclodextrin Conjugated Gelatin Methacryloyl Microneedle for Delivery of Water-insoluble Drug. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000527.	3.9	91
20	Mechanical Cues Regulating Proangiogenic Potential of Human Mesenchymal Stem Cells through YAP-Mediated Mechanosensing. <i>Small</i> , 2020, 16, e2001837.	5.2	25
21	CRISPR-Cas12a delivery by DNA-mediated bioresponsive editing for cholesterol regulation. <i>Science Advances</i> , 2020, 6, eaba2983.	4.7	77
22	Stimuli-Responsive Delivery of Growth Factors for Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901714.	3.9	86
23	Angiogenesis: Mechanical Cues Regulating Proangiogenic Potential of Human Mesenchymal Stem Cells through YAP-Mediated Mechanosensing (Small 25/2020). <i>Small</i> , 2020, 16, 2070142.	5.2	0
24	Hydrogel-Enabled Transfer Printing: Hydrogel-Enabled Transfer Printing of Conducting Polymer Films for Soft Organic Bioelectronics (Adv. Funct. Mater. 6/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070038.	7.8	2
25	Gelatin Methacryloyl Microneedle Patches for Minimally Invasive Extraction of Skin Interstitial Fluid. <i>Small</i> , 2020, 16, e1905910.	5.2	104
26	Synthesis of Injectable Shear-Thinning Biomaterials of Various Compositions of Gelatin and Synthetic Silicate Nanoplatelet. <i>Biotechnology Journal</i> , 2020, 15, e1900456.	1.8	25
27	Engineering Biomaterials with Micro/Nanotechnologies for Cell Reprogramming. <i>ACS Nano</i> , 2020, 14, 1296-1318.	7.3	39
28	A Patch of Detachable Hybrid Microneedle Depot for Localized Delivery of Mesenchymal Stem Cells in Regeneration Therapy. <i>Advanced Functional Materials</i> , 2020, 30, 2000086.	7.8	91
29	Microneedle Patches: Gelatin Methacryloyl Microneedle Patches for Minimally Invasive Extraction of Skin Interstitial Fluid (Small 16/2020). <i>Small</i> , 2020, 16, 2070086.	5.2	4
30	Rhodamine Conjugated Gelatin Methacryloyl Nanoparticles for Stable Cell Imaging. <i>ACS Applied Bio Materials</i> , 2020, 3, 6908-6918.	2.3	12
31	Combinatorial screening of biochemical and physical signals for phenotypic regulation of stem cell-based cartilage tissue engineering. <i>Science Advances</i> , 2020, 6, eaaz5913.	4.7	42
32	Charge-switchable polymeric complex for glucose-responsive insulin delivery in mice and pigs. <i>Science Advances</i> , 2019, 5, eaaw4357.	4.7	104
33	A Human Liver-on-a-Chip Platform for Modeling Nonalcoholic Fatty Liver Disease. <i>Advanced Biology</i> , 2019, 3, e1900104.	3.0	50
34	A Microfabricated Sandwiching Assay for Nanoliter and High-Throughput Biomarker Screening. <i>Small</i> , 2019, 15, e1900300.	5.2	18
35	High-Throughput Drug Screening: A Microfabricated Sandwiching Assay for Nanoliter and High-Throughput Biomarker Screening (Small 15/2019). <i>Small</i> , 2019, 15, 1970078.	5.2	1
36	A 3D-printed microfluidic-enabled hollow microneedle architecture for transdermal drug delivery. <i>Biomicrofluidics</i> , 2019, 13, 064125.	1.2	118

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37	Biodegradable Gelatin Methacryloyl Microneedles for Transdermal Drug Delivery. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801054.	3.9	177
38	Organ-on-a-Chip for Cancer and Immune Organs Modeling. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801363.	3.9	111
39	Engineering Precision Medicine. <i>Advanced Science</i> , 2019, 6, 1801039.	5.6	55
40	PD-1 Blockade Cellular Vesicles for Cancer Immunotherapy. <i>Advanced Materials</i> , 2018, 30, e1707112.	11.1	196
41	Core-Shell Microneedle Gel for Self-Regulated Insulin Delivery. <i>ACS Nano</i> , 2018, 12, 2466-2473.	7.3	207
42	Synthetic beta cells for fusion-mediated dynamic insulin secretion. <i>Nature Chemical Biology</i> , 2018, 14, 86-93.	3.9	184
43	Cancer Immunotherapy: PD-1 Blockade Cellular Vesicles for Cancer Immunotherapy (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	11.1	21
44	A peptide delivery system sneaks CRISPR into cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 17306-17307.	1.6	12
45	Conjugation of haematopoietic stem cells and platelets decorated with anti-PD-1 antibodies augments anti-leukaemia efficacy. <i>Nature Biomedical Engineering</i> , 2018, 2, 831-840.	11.6	220
46	Injectable Bioresponsive Gel Depot for Enhanced Immune Checkpoint Blockade. <i>Advanced Materials</i> , 2018, 30, e1801527.	11.1	233
47	In situ activation of platelets with checkpoint inhibitors for post-surgical cancer immunotherapy. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	390
48	Anaerobe-Inspired Anticancer Nanovesicles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2588-2593.	7.2	124
49	Relay Drug Delivery for Amplifying Targeting Signal and Enhancing Anticancer Efficacy. <i>Advanced Materials</i> , 2017, 29, 1605803.	11.1	56
50	Anaerobe-Inspired Anticancer Nanovesicles. <i>Angewandte Chemie</i> , 2017, 129, 2632-2637.	1.6	20
51	Innentitelbild: Anaerobe-Inspired Anticancer Nanovesicles (<i>Angew. Chem.</i> 10/2017). <i>Angewandte Chemie</i> , 2017, 129, 2558-2558.	1.6	3
52	Red Blood Cells for Glucose-Responsive Insulin Delivery. <i>Advanced Materials</i> , 2017, 29, 1606617.	11.1	126
53	Drug Delivery Devices: Insulin-Responsive Glucagon Delivery for Prevention of Hypoglycemia (Small) Tj ETQq1 1 0.784314 rgBT /Overlo	5.2	6
54	Insulin-Responsive Glucagon Delivery for Prevention of Hypoglycemia. <i>Small</i> , 2017, 13, 1603028.	5.2	36

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55	In Vivo Multienzyme Complex Coconstruction of N-Acetylneuraminic Acid Lyase and N-Acetylglucosamine-2-epimerase for Biosynthesis of N-Acetylneuraminic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7467-7475.	2.4	11
56	Injectable Thermosensitive Polypeptide-Based CDDP-Complexed Hydrogel for Improving Localized Antitumor Efficacy. <i>Biomacromolecules</i> , 2017, 18, 4341-4348.	2.6	33
57	Tailoring non-viral delivery vehicles for transporting genome-editing tools. <i>Science China Materials</i> , 2017, 60, 511-515.	3.5	13
58	Leveraging Physiology for Precision Drug Delivery. <i>Physiological Reviews</i> , 2017, 97, 189-225.	13.1	125
59	Bioengineering of Artificial Antigen Presenting Cells and Lymphoid Organs. <i>Theranostics</i> , 2017, 7, 3504-3516.	4.6	54
60	ATP-Responsive and Near-Infrared-Emissive Nanocarriers for Anticancer Drug Delivery and Real-Time Imaging. <i>Theranostics</i> , 2016, 6, 1053-1064.	4.6	54
61	Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy. <i>Advanced Materials</i> , 2016, 28, 3313-3320.	11.1	421
62	Internalized compartments encapsulated nanogels for targeted drug delivery. <i>Nanoscale</i> , 2016, 8, 9178-9184.	2.8	29
63	Dual targeted nanocarrier for brain ischemic stroke treatment. <i>Journal of Controlled Release</i> , 2016, 233, 64-71.	4.8	124
64	Transformable DNA nanocarriers for plasma membrane targeted delivery of cytokine. <i>Biomaterials</i> , 2016, 96, 1-10.	5.7	46
65	Inflammation-Triggered Cancer Immunotherapy by Programmed Delivery of CpG and Anti-PD1 Antibody. <i>Advanced Materials</i> , 2016, 28, 8912-8920.	11.1	286
66	Engineered Nanoplatelets for Enhanced Treatment of Multiple Myeloma and Thrombus. <i>Advanced Materials</i> , 2016, 28, 9573-9580.	11.1	182
67	Anticancer Therapy: Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy (Adv. Mater. 17/2016). <i>Advanced Materials</i> , 2016, 28, 3226-3226.	11.1	6
68	Tumor Microenvironment-Mediated Construction and Deconstruction of Extracellular Drug-Delivery Depots. <i>Nano Letters</i> , 2016, 16, 1118-1126.	4.5	148
69	ATP-Responsive Drug Delivery Systems. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 311-314.	2.4	45
70	Recent advances of cocktail chemotherapy by combination drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2016, 98, 19-34.	6.6	496
71	Nanomedicine: Anticancer Platelet-Mimicking Nanovehicles (Adv. Mater. 44/2015). <i>Advanced Materials</i> , 2015, 27, 7014-7014.	11.1	8
72	Anticancer Platelet-Mimicking Nanovehicles. <i>Advanced Materials</i> , 2015, 27, 7043-7050.	11.1	497

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73	Self-Assembled DNA Nanoclews for the Efficient Delivery of CRISPR-Cas9 for Genome Editing. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12029-12033.	7.2	517
74	Characterization of a novel N-acetylneuraminic acid lyase favoring industrial N-acetylneuraminic acid synthesis process. <i>Scientific Reports</i> , 2015, 5, 9341.	1.6	16
75	Transformable liquid-metal nanomedicine. <i>Nature Communications</i> , 2015, 6, 10066.	5.8	466
76	ATP-responsive DNA-graphene hybrid nanoaggregates for anticancer drug delivery. <i>Biomaterials</i> , 2015, 50, 67-74.	5.7	159
77	Drug Delivery: Furin-Mediated Sequential Delivery of Anticancer Cytokine and Small-Molecule Drug Shuttled by Graphene (<i>Adv. Mater.</i> 6/2015). <i>Advanced Materials</i> , 2015, 27, 958-958.	11.1	1
78	Engineering DNA scaffolds for delivery of anticancer therapeutics. <i>Biomaterials Science</i> , 2015, 3, 1018-1024.	2.6	57
79	Microneedle-array patches loaded with hypoxia-sensitive vesicles provide fast glucose-responsive insulin delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8260-8265.	3.3	655
80	Titelbild: Self-Assembled DNA Nanoclews for the Efficient Delivery of CRISPR-Cas9 for Genome Editing (<i>Angew. Chem.</i> 41/2015). <i>Angewandte Chemie</i> , 2015, 127, 12045-12045.	1.6	0
81	Rolling circle replication for engineering drug delivery carriers. <i>Therapeutic Delivery</i> , 2015, 6, 765-768.	1.2	13
82	Advances in Anticancer Protein Delivery using Micro-Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 1204-1222.	1.2	30
83	Cocoon-Like Self-Degradable DNA Nanoclew for Anticancer Drug Delivery. <i>Journal of the American Chemical Society</i> , 2014, 136, 14722-14725.	6.6	295
84	Engineered cytidine triphosphate synthetase with reduced product inhibition. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 225-233.	1.0	10
85	Stimuli-responsive nanomaterials for therapeutic protein delivery. <i>Journal of Controlled Release</i> , 2014, 194, 1-19.	4.8	361