

# Jicheng Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

5,542  
citations

109264

35  
h-index

168321

53  
g-index

55  
all docs

55  
docs citations

55  
times ranked

5933  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy. <i>Advanced Materials</i> , 2016, 28, 3313-3320.	11.1	421
3	Glucose-responsive insulin patch for the regulation of blood glucose in mice and minipigs. <i>Nature Biomedical Engineering</i> , 2020, 4, 499-506.	11.6	353
4	H <sub>2</sub> O <sub>2</sub> -Responsive Vesicles Integrated with Transcutaneous Patches for Glucose-Mediated Insulin Delivery. <i>ACS Nano</i> , 2017, 11, 613-620.	7.3	255
5	Mechanical Force-Triggered Drug Delivery. <i>Chemical Reviews</i> , 2016, 116, 12536-12563.	23.0	247
6	Polymeric microneedles for transdermal protein delivery. <i>Advanced Drug Delivery Reviews</i> , 2018, 127, 106-118.	6.6	242
7	Injectable Bioresponsive Gel Depot for Enhanced Immune Checkpoint Blockade. <i>Advanced Materials</i> , 2018, 30, e1801527.	11.1	233
8	Hypoxia and H <sub>2</sub> O <sub>2</sub> Dual-Sensitive Vesicles for Enhanced Glucose-Responsive Insulin Delivery. <i>Nano Letters</i> , 2017, 17, 733-739.	4.5	220
9	Core-Shell Microneedle Gel for Self-Regulated Insulin Delivery. <i>ACS Nano</i> , 2018, 12, 2466-2473.	7.3	207
10	Advances in transdermal insulin delivery. <i>Advanced Drug Delivery Reviews</i> , 2019, 139, 51-70.	6.6	202
11	Stretch-Triggered Drug Delivery from Wearable Elastomer Films Containing Therapeutic Depots. <i>ACS Nano</i> , 2015, 9, 9407-9415.	7.3	196
12	Microneedles Integrated with Pancreatic Cells and Synthetic Glucose Signal Amplifiers for Smart Insulin Delivery. <i>Advanced Materials</i> , 2016, 28, 3115-3121.	11.1	193
13	Locally Induced Adipose Tissue Browning by Microneedle Patch for Obesity Treatment. <i>ACS Nano</i> , 2017, 11, 9223-9230.	7.3	157
14	Glucose-Responsive Insulin and Delivery Systems: Innovation and Translation. <i>Advanced Materials</i> , 2020, 32, e1902004.	11.1	138
15	Red Blood Cells for Glucose-Responsive Insulin Delivery. <i>Advanced Materials</i> , 2017, 29, 1606617.	11.1	126
16	Anaerobe-Inspired Anticancer Nanovesicles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2588-2593.	7.2	124
17	Bioresponsive Microneedles with a Sheath Structure for H <sub>2</sub> O <sub>2</sub> and pH Cascade-Triggered Insulin Delivery. <i>Small</i> , 2018, 14, e1704181.	5.2	113
18	Charge-switchable polymeric complex for glucose-responsive insulin delivery in mice and pigs. <i>Science Advances</i> , 2019, 5, eaaw4357.	4.7	104

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19	Thrombin-Responsive Transcutaneous Patch for Auto-Anticoagulant Regulation. <i>Advanced Materials</i> , 2017, 29, 1604043.	11.1	90
20	Shape-controlled synthesis of liquid metal nanodroplets for photothermal therapy. <i>Nano Research</i> , 2019, 12, 1313-1320.	5.8	83
21	Stimuli-Responsive delivery of therapeutics for diabetes treatment. <i>Bioengineering and Translational Medicine</i> , 2016, 1, 323-337.	3.9	80
22	Microneedle-Mediated Vaccination: Innovation and Translation. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 113919.	6.6	76
23	Ultrasound-triggered noninvasive regulation of blood glucose levels using microgels integrated with insulin nanocapsules. <i>Nano Research</i> , 2017, 10, 1393-1402.	5.8	74
24	ROS-Responsive Microneedle Patch for Acne Vulgaris Treatment. <i>Advanced Therapeutics</i> , 2018, 1, 1800035.	1.6	69
25	Colloidal crystal microneedle patch for glucose monitoring. <i>Nano Today</i> , 2020, 35, 100984.	6.2	68
26	Glucose-Responsive Microneedle Patches for Diabetes Treatment. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 41-48.	1.3	67
27	Dual self-regulated delivery of insulin and glucagon by a hybrid patch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29512-29517.	3.3	64
28	Bioresponsive transcutaneous patches. <i>Current Opinion in Biotechnology</i> , 2017, 48, 28-32.	3.3	62
29	Red Blood Cells for Drug Delivery. <i>Small Methods</i> , 2017, 1, 1700270.	4.6	62
30	Glucose-responsive oral insulin delivery for postprandial glycemic regulation. <i>Nano Research</i> , 2019, 12, 1539-1545.	5.8	61
31	Advances in bioresponsive closed-loop drug delivery systems. <i>International Journal of Pharmaceutics</i> , 2018, 544, 350-357.	2.6	59
32	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
33	Transformable DNA nanocarriers for plasma membrane targeted delivery of cytokine. <i>Biomaterials</i> , 2016, 96, 1-10.	5.7	46
34	Glucose transporter inhibitor-conjugated insulin mitigates hypoglycemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10744-10748.	3.3	38
35	Hypoxia-Sensitive Materials for Biomedical Applications. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1931-1945.	1.3	37
36	Insulin-Responsive Glucagon Delivery for Prevention of Hypoglycemia. <i>Small</i> , 2017, 13, 1603028.	5.2	36

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37	Photoacoustic Drug Delivery. <i>Sensors</i> , 2017, 17, 1400.	2.1	33
38	Internalized compartments encapsulated nanogels for targeted drug delivery. <i>Nanoscale</i> , 2016, 8, 9178-9184.	2.8	29
39	Engineering Synthetic Insulin-Secreting Cells Using Hyaluronic Acid Microgels Integrated with Glucose-Responsive Nanoparticles. <i>Cellular and Molecular Bioengineering</i> , 2015, 8, 445-454.	1.0	27
40	Versatile Protein Nanogels Prepared by In Situ Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 333-343.	1.1	26
41	Anaerobe-inspired Anticancer Nanovesicles. <i>Angewandte Chemie</i> , 2017, 129, 2632-2637.	1.6	20
42	Nanomedicine for obesity treatment. <i>Science China Life Sciences</i> , 2018, 61, 373-379.	2.3	20
43	The potential of a microneedle patch for reducing obesity. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 431-433.	2.4	16
44	Glucose-Responsive Insulin Delivery by Microneedle-Array Patches Loaded with Hypoxia-Sensitive Vesicles. <i>Methods in Molecular Biology</i> , 2017, 1570, 251-259.	0.4	13
45	A forskolin-conjugated insulin analog targeting endogenous glucose-transporter for glucose-responsive insulin delivery. <i>Biomaterials Science</i> , 2019, 7, 4508-4513.	2.6	12
46	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
47	Microneedle-mediated therapy for cardiovascular diseases. <i>Drug Delivery and Translational Research</i> , 2022, 12, 472-483.	3.0	6
48	Drug Delivery: Microneedles Integrated with Pancreatic Cells and Synthetic Glucose-Signal Amplifiers for Smart Insulin Delivery (Adv. Mater. 16/2016). <i>Advanced Materials</i> , 2016, 28, 3223-3223.	11.1	5
49	Elastic drug delivery: could treatments be triggered by patient movement?. <i>Nanomedicine</i> , 2016, 11, 323-325.	1.7	4
50	Smart oral insulin therapy. <i>Matter</i> , 2021, 4, 3790-3791.	5.0	4
51	Drug Delivery: Thrombin-Responsive Transcutaneous Patch for Auto-Anticoagulant Regulation (Adv. Tj ETQq1 1 0,784314 rgBT /Ove	11.1	3
52	Innentitelbild: Anaerobe-inspired Anticancer Nanovesicles (Angew. Chem. 10/2017). <i>Angewandte Chemie</i> , 2017, 129, 2558-2558.	1.6	3
53	Recent advances in transdermal sensors for glucose monitoring. <i>Current Opinion in Biomedical Engineering</i> , 2021, 20, 100326.	1.8	3
54	Drug Delivery Devices: Insulin-Responsive Glucagon Delivery for Prevention of Hypoglycemia (Small) Tj ETQq0 0 0,rgBT /Overlock 10 TF	5.2	0