

# Hongjie Jiang

## List of Publications by Year in descending order

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17  
papers

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citations

840776

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1125743

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docs citations

17  
times ranked

445  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated sensing and delivery of oxygen for next-generation smart wound dressings. <i>Microsystems and Nanoengineering</i> , 2020, 6, 46.	7.0	96
2	A pH-regulated drug delivery dermal patch for targeting infected regions in chronic wounds. <i>Lab on A Chip</i> , 2019, 19, 2265-2274.	6.0	47
3	Smart capsule for non-invasive sampling and studying of the gastrointestinal microbiome. <i>RSC Advances</i> , 2020, 10, 16313-16322.	3.6	45
4	Flexible Microneedle Array Patch for Chronic Wound Oxygenation and Biofilm Eradication. <i>ACS Applied Bio Materials</i> , 2021, 4, 5405-5415.	4.6	41
5	Rapid prototyping of a novel and flexible paper based oxygen sensing patch via additive inkjet printing process. <i>RSC Advances</i> , 2019, 9, 22695-22704.	3.6	30
6	A mass-customizable dermal patch with discrete colorimetric indicators for personalized sweat rate quantification. <i>Microsystems and Nanoengineering</i> , 2019, 5, 29.	7.0	30
7	A Wireless Implantable Strain Sensing Scheme Using Ultrasound Imaging of Highly Stretchable Zinc Oxide/Poly Dimethylacrylamide Nanocomposite Hydrogel. <i>ACS Applied Bio Materials</i> , 2020, 3, 4012-4024.	4.6	29
8	A Smart Capsule With a Hydrogel-Based pH-Triggered Release Switch for GI-Tract Site-Specific Drug Delivery. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2808-2813.	4.2	25
9	A lab-on-chip ultrasonic platform for real-time and nondestructive assessment of extracellular matrix stiffness. <i>Lab on A Chip</i> , 2020, 20, 778-788.	6.0	14
10	A Wireless Implantable Passive Intra-Abdominal Pressure Sensing Scheme via Ultrasonic Imaging of a Microfluidic Device. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 747-758.	4.2	13
11	Wireless Sensor Network Utilizing Flexible Nitrate Sensors for Smart Farming. , 2019, , .		11
12	Steady-State and Transient Performance of Ion-Sensitive Electrodes Suitable for Wearable and Implantable Electro-Chemical Sensing. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 96-107.	4.2	11
13	Inkjet-printed Solid-state Potentiometric Nitrate Ion Selective Electrodes for Agricultural Application. , 2019, , .		11
14	Noninvasive assessment of microbial activity by realtime monitoring degradation of cellulose acetate via electrochemical impedance measurement. <i>Sensors and Actuators A: Physical</i> , 2021, 321, 112543.	4.1	8
15	Laser-treated glass platform for rapid wicking-driven transport and particle separation in bio microfluidics. <i>RSC Advances</i> , 2019, 9, 19531-19538.	3.6	5
16	Real-Time Tracking of a 3D-Printed Smart Capsule Using on-Board Near-Infrared Led Array. , 2019, , .		3
17	In situ Laser-assisted Micromachining of Environmentally-responsive Hydrogel Films. , 2021, , .		0