

Hongjie Jiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5629193/publications.pdf>

Version: 2024-02-01

17
papers

419
citations

840776

11
h-index

1125743

13
g-index

17
all docs

17
docs citations

17
times ranked

445
citing authors

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