

Ran Liu

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

377
citations

933447

10
h-index

794594

19
g-index

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all docs

31
docs citations

31
times ranked

620
citing authors

#	ARTICLE	IF	CITATIONS
1	Multilayered pyramidal dissolving microneedle patches with flexible pedestals for improving effective drug delivery. <i>Journal of Controlled Release</i> , 2017, 265, 113-119.	9.9	85
2	The construction of an interfacial valve-based microfluidic chip for thermotaxis evaluation of human sperm. <i>Biomicrofluidics</i> , 2014, 8, 024102.	2.4	39
3	Drug-laden 3D biodegradable label using QR code for anti-counterfeiting of drugs. <i>Materials Science and Engineering C</i> , 2016, 63, 657-662.	7.3	35
4	A sheath-less electric impedance micro-flow cytometry device for rapid label-free cell classification and viability testing. <i>Analytical Methods</i> , 2017, 9, 1201-1212.	2.7	28
5	An adaptive singular spectrum analysis method for extracting brain rhythms of electroencephalography. <i>PeerJ</i> , 2017, 5, e3474.	2.0	27
6	A fully integrated biomimetic microfluidic device for evaluation of sperm response to thermotaxis and chemotaxis. <i>Lab on A Chip</i> , 2021, 21, 310-318.	6.0	20
7	Hybrid 3D Printing All-in-One Heterogeneous Rigidity Assemblies for Soft Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1900614.	5.8	17
8	Development of three-dimension microelectrode array for bioelectric measurement using the liquidmetal-micromolding technique. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	15
9	In vitro hyperthermia studied in a continuous manner using electric impedance sensing. <i>RSC Advances</i> , 2015, 5, 62007-62016.	3.6	15
10	<i>In vivo</i> and <i>in situ</i> imaging of controlled-release dissolving silk microneedles into the skin by optical coherence tomography. <i>Journal of Biophotonics</i> , 2017, 10, 870-877.	2.3	15
11	Low melting point metal-based flexible 3D biomedical microelectrode array by phase transition method. <i>Materials Science and Engineering C</i> , 2019, 99, 735-739.	7.3	12
12	Current applications of platelet gels in wound healing—A review. <i>Wound Repair and Regeneration</i> , 2021, 29, 370-379.	3.0	10
13	Nanoparticle-enhanced electrical impedance detection and its potential significance in image tomography. <i>International Journal of Nanomedicine</i> , 2013, 8, 33.	6.7	7
14	Assessment of the efficacy of laser hyperthermia and nanoparticle-enhanced therapies by heat shock protein analysis. <i>AIP Advances</i> , 2014, 4, 031334.	1.3	7
15	Nano Foldaway Skin-like E-interface for Detecting Human Bioelectrical Signals. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 148-154.	8.0	7
16	Massive production of nanoparticles via mist reaction. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1197-1200.	2.7	5
17	Thermal infrared images to quantify thermal ablation effects of acid and base on target tissues. <i>AIP Advances</i> , 2015, 5, .	1.3	5
18	A two-compartment microfluidic device for long-term live cell detection based on surface plasmon resonance. <i>Biomicrofluidics</i> , 2016, 10, 044109.	2.4	5

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19	Introducing Temperature-Controlled Phase Transition Elastin-like Polypeptides to Transient Electronics: Realization of Proactive Biotriggered Electronics with Local Transience. ACS Applied Materials & Interfaces, 2019, 11, 46490-46496.	8.0	5
20	A portable sperm cell purification instrument based on continuous flow acoustophoretic separation of sperm cells for on-site forensic sample pretreatment. Lab on A Chip, 2021, 21, 933-941.	6.0	4
21	PLGA-PLL-Peg-Tf-Based Targeted Nanoparticles Drug Delivery System Enhance Antitumor Efficacy Via Intrinsic Apoptosis Pathway. Blood, 2015, 126, 5558-5558.	1.4	4
22	Minimally Invasive Electrical Impedance Tomography - Promising Way to Decrease Diagnostics Uncertainty. , 2006, , .		3
23	Screening of angiogenesis inhibitors using a 3D vascular microfluidic chip to achieve contraception. Biochemical and Biophysical Research Communications, 2019, 515, 92-98.	2.1	3
24	Theoretical Analytical Flow Model in Hollow Microneedles for Non-forced Fluid Extraction. , 2006, , .		1
25	Minimally Invasive Electrical Impedance Measurements of Ovum Exemplified Using Microelectrodes. , 2007, , .		1
26	Thermal Infrared Images to Quantify Nanoparticlesâ€™ Enhanced Laser Thermal Effects on Oocyte Cells. Journal of Nanoscience and Nanotechnology, 2016, 16, 12145-12153.	0.9	1
27	Soft Electronics: Hybrid 3D Printing All-in-One Heterogenous Rigidity Assemblies for Soft Electronics (Adv. Mater. Technol. 12/2019). Advanced Materials Technologies, 2019, 4, 1970065.	5.8	1
28	Quantification and controllability study of minimally invasive exothermic chemo-ablation therapy for tumor ablation. , 2009, 2009, 3397-400.		0
29	On-chip manipulating and impedance spectroscopy sensing of single mouse embryo. , 2014, , .		0
30	In-vitro hyperthermia studied by cellular impedance sensors. , 2015, , .		0
31	Printable Strain Sensors with Viscosity-Adjustable Ionic Liquids for Motion Monitoring. , 2021, 2021, 6806-6809.		0