

Ning Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1042497/publications.pdf>

Version: 2024-02-01

158
papers

6,430
citations

81839

39
h-index

76872

74
g-index

162
all docs

162
docs citations

162
times ranked

7616
citing authors

#	ARTICLE	IF	CITATIONS
1	Multisensor-integrated organs-on-chips platform for automated and continual in situ monitoring of organoid behaviors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2293-E2302.	3.3	570
2	Extrusion Bioprinting of Shear-Thinning Gelatin Methacryloyl Bioinks. Advanced Healthcare Materials, 2017, 6, 1601451.	3.9	352
3	Cell-Based Biosensors and Their Application in Biomedicine. Chemical Reviews, 2014, 114, 6423-6461.	23.0	294
4	Gold Nanocomposite Bioink for Printing 3D Cardiac Constructs. Advanced Functional Materials, 2017, 27, 1605352.	7.8	278
5	3D Bioprinting: from Benches to Translational Applications. Small, 2019, 15, e1805510.	5.2	235
6	Coaxial extrusion bioprinting of 3D microfibrinous constructs with cell-favorable gelatin methacryloyl microenvironments. Biofabrication, 2018, 10, 024102.	3.7	219
7	Digitally Tunable Microfluidic Bioprinting of Multilayered Cannular Tissues. Advanced Materials, 2018, 30, e1706913.	11.1	199
8	Multifunctional Ionic Skin with Sensing, UV-Filtering, Water-Retaining, and Anti-Freezing Capabilities. Advanced Functional Materials, 2021, 31, 2011176.	7.8	198
9	Aptamer-Based Microfluidic Electrochemical Biosensor for Monitoring Cell-Secreted Trace Cardiac Biomarkers. Analytical Chemistry, 2016, 88, 10019-10027.	3.2	181
10	Screen-printed gold electrode with gold nanoparticles modification for simultaneous electrochemical determination of lead and copper. Sensors and Actuators B: Chemical, 2015, 209, 336-342.	4.0	142
11	Recent achievements in electronic tongue and bioelectronic tongue as taste sensors. Sensors and Actuators B: Chemical, 2015, 207, 1136-1146.	4.0	141
12	Label-Free and Regenerative Electrochemical Microfluidic Biosensors for Continual Monitoring of Cell Secretomes. Advanced Science, 2017, 4, 1600522.	5.6	131
13	Heart-on-a-Chip Model with Integrated Extra- and Intracellular Bioelectronics for Monitoring Cardiac Electrophysiology under Acute Hypoxia. Nano Letters, 2020, 20, 2585-2593.	4.5	124
14	Tuning the Bifunctional Oxygen Electrocatalytic Properties of Core-Shell $\text{Co}_3\text{O}_4/\text{NiFe LDH}$ Catalysts for Zn -Air Batteries: Effects of Interfacial Cation Valences. ACS Applied Materials & Interfaces, 2019, 11, 21506-21514.	4.0	114
15	Tumor-on-a-chip: from bioinspired design to biomedical application. Microsystems and Nanoengineering, 2021, 7, 50.	3.4	103
16	The Features and Progress of Electrolyte for Potassium Ion Batteries. Small, 2020, 16, e2004096.	5.2	98
17	A Fully Integrated Closed-Loop System Based on Mesoporous Microneedles-Iontophoresis for Diabetes Treatment. Advanced Science, 2021, 8, e2100827.	5.6	91
18	3D cell-based biosensor for cell viability and drug assessment by 3D electric cell/matrigel-substrate impedance sensing. Biosensors and Bioelectronics, 2019, 130, 344-351.	5.3	87

#	ARTICLE	IF	CITATIONS
19	A cardiomyocyte-based biosensor for antiarrhythmic drug evaluation by simultaneously monitoring cell growth and beating. <i>Biosensors and Bioelectronics</i> , 2013, 49, 9-13.	5.3	85
20	Bioprinting: 3D Bioprinting: from Benches to Translational Applications (Small 23/2019). <i>Small</i> , 2019, 15, 1970126.	5.2	84
21	An ultrasensitive electrochemical immunosensor for carcinoembryonic antigen detection based on staphylococcal protein A@Au nanoparticle modified gold electrode. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 220-227.	4.0	77
22	Extracellular potentials recording in intact olfactory epithelium by microelectrode array for a bioelectronic nose. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2212-2217.	5.3	74
23	Environmentally-Friendly and Multifunctional Graphene-Silk Fabric Strain Sensor for Human Motion Detection. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901507.	1.9	65
24	Pt and Te codoped ultrathin MoS2 nanosheets for enhanced hydrogen evolution reaction with wide pH range. <i>Rare Metals</i> , 2022, 41, 378-384.	3.6	65
25	Multifunctional Branched Nanostraw-Electroporation Platform for Intracellular Regulation and Monitoring of Circulating Tumor Cells. <i>Nano Letters</i> , 2019, 19, 7201-7209.	4.5	61
26	A novel microphysiometer based on high sensitivity LAPS and microfluidic system for cellular metabolism study and rapid drug screening. <i>Biosensors and Bioelectronics</i> , 2013, 40, 167-173.	5.3	59
27	Nanoneedle Platforms: The Many Ways to Pierce the Cell Membrane. <i>Advanced Functional Materials</i> , 2020, 30, 1909890.	7.8	58
28	Intracellular Delivery and Sensing System Based on Electroplated Conductive Nanostraw Arrays. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43936-43948.	4.0	56
29	High-sensitive and high-efficient biochemical analysis method using a bionic electronic eye in combination with a smartphone-based colorimetric reader system. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 134-140.	4.0	54
30	An improved functional assay for rapid detection of marine toxins, saxitoxin and brevetoxin using a portable cardiomyocyte-based potential biosensor. <i>Biosensors and Bioelectronics</i> , 2015, 72, 10-17.	5.3	51
31	An improved sensitive assay for the detection of PSP toxins with neuroblastoma cell-based impedance biosensor. <i>Biosensors and Bioelectronics</i> , 2015, 67, 458-464.	5.3	51
32	Microfabricated Electrochemical Cell-Based Biosensors for Analysis of Living Cells In Vitro. <i>Biosensors</i> , 2012, 2, 127-170.	2.3	49
33	Copper Sulfide Nanoparticle/Cellulose Composite Paper: Room-Temperature Green Fabrication for NIR Laser-Inducible Ablation of Pathogenic Microorganisms. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2648-2655.	3.2	48
34	High-performance beating pattern function of human induced pluripotent stem cell-derived cardiomyocyte-based biosensors for hERG inhibition recognition. <i>Biosensors and Bioelectronics</i> , 2015, 67, 146-153.	5.3	45
35	Emerging Roles of 1D Vertical Nanostructures in Orchestrating Immune Cell Functions. <i>Advanced Materials</i> , 2020, 32, e2001668.	11.1	45
36	Design of Ultrawideband Energy-Selective Surface for High-Power Microwave Protection. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 669-673.	2.4	44

#	ARTICLE	IF	CITATIONS
37	Olfactory mucosa tissue-based biosensor: A bioelectronic nose with receptor cells in intact olfactory epithelium. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 527-533.	4.0	43
38	Bioelectronic tongue of taste buds on microelectrode array for salt sensing. <i>Biosensors and Bioelectronics</i> , 2013, 40, 115-120.	5.3	42
39	High-Throughput Assessment of Drug Cardiac Safety Using a High-Speed Impedance Detection Technology-Based Heart-on-a-Chip. <i>Micromachines</i> , 2016, 7, 122.	1.4	40
40	A novel sensitive cell-based Love Wave biosensor for marine toxin detection. <i>Biosensors and Bioelectronics</i> , 2016, 77, 573-579.	5.3	40
41	MnO ₂ nanosheets as the biomimetic oxidase for rapid and sensitive oxalate detection combining with bionic E-eye. <i>Biosensors and Bioelectronics</i> , 2019, 130, 254-261.	5.3	40
42	Olfactory receptor cells respond to odors in a tissue and semiconductor hybrid neuron chip. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1672-1678.	5.3	39
43	Spider-Inspired Ultrasensitive Flexible Vibration Sensor for Multifunctional Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30871-30881.	4.0	39
44	Synthesis and properties of poly(1,3-dioxolane) <i>in situ</i> quasi-solid-state electrolytes <i>via</i> a rare-earth triflate catalyst. <i>Chemical Communications</i> , 2021, 57, 7934-7937.	2.2	39
45	Synchronized electromechanical integration recording of cardiomyocytes. <i>Biosensors and Bioelectronics</i> , 2018, 117, 354-365.	5.3	38
46	ZrB ₂ -Based "Brick-and-Mortar" Composites Achieving the Synergy of Superior Damage Tolerance and Ablation Resistance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33246-33255.	4.0	38
47	Extracellular potentials recording in intact taste epithelium by microelectrode array for a taste sensor. <i>Biosensors and Bioelectronics</i> , 2013, 43, 186-192.	5.3	36
48	Detection of diarrhetic shellfish poisoning toxins using high-sensitivity human cancer cell-based impedance biosensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 205-212.	4.0	36
49	A sensing smartphone and its portable accessory for on-site rapid biochemical detection of marine toxins. <i>Analytical Methods</i> , 2016, 8, 6895-6902.	1.3	34
50	Preparation of Nanocomposite Polymer Electrolyte via In Situ Synthesis of SiO ₂ Nanoparticles in PEO. <i>Nanomaterials</i> , 2020, 10, 157.	1.9	32
51	Flexible, non-contact and multifunctional humidity sensors based on two-dimensional phytic acid doped co-metal organic frameworks nanosheets. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 2010-2018.	5.0	32
52	A novel and functional assay for pharmacological effects of marine toxins, saxitoxin and tetrodotoxin by cardiomyocyte-based impedance biosensor. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 828-837.	4.0	31
53	Detection and classification of natural odors with an <i>in vivo</i> bioelectronic nose. <i>Biosensors and Bioelectronics</i> , 2015, 67, 694-699.	5.3	31
54	Bioinspired Color-Changeable Organogel Tactile Sensor with Excellent Overall Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49866-49875.	4.0	31

#	ARTICLE	IF	CITATIONS
55	A novel bioelectronic tongue in vivo for highly sensitive bitterness detection with brain-machine interface. <i>Biosensors and Bioelectronics</i> , 2016, 78, 374-380.	5.3	30
56	Composite Hybrid Quasi-Solid Electrolyte for High-Energy Lithium Metal Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 7973-7982.	2.5	30
57	A competitive love wave immunosensor for detection of okadaic acid based on immunogold staining method. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1173-1180.	4.0	29
58	Activating the hydrogen evolution activity of Pt electrode via synergistic interaction with NiS ₂ . <i>Journal of Colloid and Interface Science</i> , 2021, 582, 591-597.	5.0	29
59	4D Printing of Glass Fiber-Regulated Shape Shifting Structures with High Stiffness. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12797-12804.	4.0	28
60	Wearable and Implantable Intraocular Pressure Biosensors: Recent Progress and Future Prospects. <i>Advanced Science</i> , 2021, 8, 2002971.	5.6	28
61	Multifunctional Polypropylene Separator via Cooperative Modification and Its Application in the Lithium-Sulfur Battery. <i>Langmuir</i> , 2020, 36, 11147-11153.	1.6	27
62	Photo-cross-linkable, insulating silk fibroin for bioelectronics with enhanced cell affinity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15482-15489.	3.3	27
63	Intracellular recording of cardiomyocyte action potentials by nanobranched microelectrode array. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112588.	5.3	26
64	A facile method for the synthesis of a sintering dense nano-grained Na ₃ Zr ₂ Si ₂ PO ₁₂ Na ⁺ -ion solid-state electrolyte. <i>Chemical Communications</i> , 2021, 57, 4023-4026.	2.2	26
65	Multifunctional Slippery Polydimethylsiloxane/Carbon Nanotube Composite Strain Sensor with Excellent Liquid Repellence and Anti-Icing/Deicing Performance. <i>Polymers</i> , 2022, 14, 409.	2.0	26
66	Bionic 3D spheroids biosensor chips for high-throughput and dynamic drug screening. <i>Biomedical Microdevices</i> , 2018, 20, 82.	1.4	25
67	Liquid-like polymer-based self-cleaning coating for effective prevention of liquid foods contaminations. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 327-335.	5.0	25
68	Efficacy and cardiotoxicity integrated assessment of anticancer drugs by a dual functional cell-based biosensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 881-889.	4.0	23
69	Specific recognition of ion channel blocker by high-content cardiomyocyte electromechanical integrated correlation. <i>Biosensors and Bioelectronics</i> , 2020, 162, 112273.	5.3	23
70	A LAPS array with low cross-talk for non-invasive measurement of cellular metabolism. <i>Sensors and Actuators A: Physical</i> , 2012, 187, 50-56.	2.0	22
71	Detection of bitterness in vitro by a novel male mouse germ cell-based biosensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 461-469.	4.0	22
72	Vertical nanowire array-based biosensors: device design strategies and biomedical applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7609-7632.	2.9	21

#	ARTICLE	IF	CITATIONS
73	In-Cell Nanoelectronics: Opening the Door to Intracellular Electrophysiology. <i>Nano-Micro Letters</i> , 2021, 13, 127.	14.4	21
74	Extracellular recording of spatiotemporal patterning in response to odors in the olfactory epithelium by microelectrode arrays. <i>Biosensors and Bioelectronics</i> , 2011, 27, 12-17.	5.3	19
75	Cellular impedance sensing combined with LAPS as a new means for real-time monitoring cell growth and metabolism. <i>Sensors and Actuators A: Physical</i> , 2013, 199, 136-142.	2.0	19
76	A bioinspired in vitro bioelectronic tongue with human T2R38 receptor for high-specificity detection of N-C=S-containing compounds. <i>Talanta</i> , 2019, 199, 131-139.	2.9	19
77	Anti-biofouling NH ₃ gas sensor based on reentrant thorny ZnO/graphene hybrid nanowalls. <i>Microsystems and Nanoengineering</i> , 2020, 6, 41.	3.4	19
78	High-Performance Energy Selective Surface Based on Equivalent Circuit Design Approach. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 4526-4538.	3.1	19
79	Assessment of cadmium-induced hepatotoxicity and protective effects of zinc against it using an improved cell-based biosensor. <i>Sensors and Actuators A: Physical</i> , 2013, 199, 156-164.	2.0	18
80	Integrated multifunctional cell-based biosensor system for monitoring extracellular acidification and cellular growth. <i>Sensors and Actuators A: Physical</i> , 2014, 220, 144-152.	2.0	18
81	Olfactory epithelium biosensor: odor discrimination of receptor neurons from a bio-hybrid sensing system. <i>Biomedical Microdevices</i> , 2012, 14, 1055-1061.	1.4	17
82	Design of a miniaturized multisensor chip with nanoband electrode array and light addressable potentiometric sensor for ion sensing. <i>Analytical Methods</i> , 2015, 7, 9190-9197.	1.3	17
83	The zero-frequency component of bulk waves in solids with randomly distributed micro-cracks. <i>Ultrasonics</i> , 2020, 107, 106172.	2.1	17
84	Comparison between ECIS and LAPS for establishing a cardiomyocyte-based biosensor. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 238-244.	4.0	16
85	A Novel Quantum Dot Fluorescence Immunosensor Based on Magnetic Beads and Portable Flow Cytometry for Detection of Okadaic Acid. <i>Procedia Technology</i> , 2017, 27, 214-216.	1.1	16
86	A whole animal-based biosensor for fast detection of bitter compounds using extracellular potentials in rat gustatory cortex. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 746-753.	4.0	16
87	Design of a Multilayer Broadband Switchable Absorber Based on Semiconductor Switch. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 373-377.	2.4	16
88	Advances in Multidimensional Cardiac Biosensing Technologies: From Electrophysiology to Mechanical Motion and Contractile Force. <i>Small</i> , 2020, 16, e2005828.	5.2	16
89	Liquid-like Polymer Coating as a Promising Candidate for Reducing Electrode Contamination and Noise in Complex Biofluids. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4450-4462.	4.0	15
90	Synchronized intracellular and extracellular recording of action potentials by three-dimensional nanoroded electroporation. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113501.	5.3	15

#	ARTICLE	IF	CITATIONS
91	An Inverse Approach of Damage Identification Using Lamb Wave Tomography. <i>Sensors</i> , 2019, 19, 2180.	2.1	13
92	LLZO@EmimFSI@PEO derived hybrid solid electrolyte for high-energy lithium metal batteries. <i>Materials Technology</i> , 2020, 35, 618-624.	1.5	13
93	An integrated label-free cell-based biosensor for simultaneously monitoring of cellular physiology multiparameter in vitro. <i>Biomedical Microdevices</i> , 2013, 15, 473-480.	1.4	12
94	A Dual Functional Cardioinoyocyte-based Hybrid-biosensor for the Detection of Diarrhetic Shellfish Poisoning and Paralytic Shellfish Poisoning Toxins. <i>Analytical Sciences</i> , 2018, 34, 893-900.	0.8	12
95	A phase linearisation-based modulation signal bispectrum for analysing cyclostationary bearing signals. <i>Structural Health Monitoring</i> , 2021, 20, 1231-1246.	4.3	12
96	High-sensitive and high-efficient biochemical analysis method using a bionic electronic eye in combination with a smartphone-based colorimetric reader system. , 2015, 2015, 7720-3.		11
97	A magnetic beads-based portable flow cytometry immunosensor for in-situ detection of marine biotoxin. <i>Biomedical Microdevices</i> , 2018, 20, 60.	1.4	11
98	Sensor-free and Sensor-based Heart-on-a-chip Platform: A Review of Design and Applications. <i>Current Pharmaceutical Design</i> , 2019, 24, 5375-5385.	0.9	11
99	Cardiomyocyte electrical-mechanical synchronized model for high-content, dose-quantitative and time-dependent drug assessment. <i>Microsystems and Nanoengineering</i> , 2021, 7, 26.	3.4	11
100	Experimental observation of static component generation by Lamb wave propagation in an elastic plate. <i>Ultrasonics</i> , 2021, 117, 106537.	2.1	11
101	A high sensitive in vivo biosensing detection for odors by multiunit in rat olfactory bulb. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 308-314.	4.0	10
102	Detection of 5-hydroxytryptamine (5-HT) in vitro using a hippocampal neuronal network-based biosensor with extracellular potential analysis of neurons. <i>Biosensors and Bioelectronics</i> , 2015, 66, 572-578.	5.3	10
103	Recent Achievements in Cellular Behavior Investigation Using Cell-Based Impedance Biosensors. <i>Sensor Letters</i> , 2015, 13, 1-12.	0.4	10
104	A hybrid solid electrolyte for high-energy solid-state sodium metal batteries. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	10
105	Neurosecretory cell-based biosensor: Monitoring secretion of adrenal chromaffin cells by local extracellular acidification using light-addressable potentiometric sensor. <i>Biosensors and Bioelectronics</i> , 2012, 35, 421-424.	5.3	9
106	Detection of cardiovascular drugs and marine toxins using a multifunctional cell-based impedance biosensor system. <i>Analytical Methods</i> , 2015, 7, 7715-7723.	1.3	9
107	Porous Polyethylene Terephthalate Nanotemplate Electrodes for Sensitive Intracellular Recording of Action Potentials. <i>Nano Letters</i> , 2022, 22, 2479-2489.	4.5	9
108	Multi-odor discrimination by a novel bio-hybrid sensing preserving rat's intact smell perception in vivo. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 34-41.	4.0	8

#	ARTICLE	IF	CITATIONS
109	An Ultrasensitive Gold Nanoband Aptasensor for Mercury(II) Detection in Aquatic Environment. <i>Journal of the Electrochemical Society</i> , 2019, 166, B793-B798.	1.3	8
110	Antibody-free isolation and regulation of adherent cancer cells <i>via</i> hybrid branched microtube-sandwiched hydrodynamic system. <i>Nanoscale</i> , 2020, 12, 5103-5113.	2.8	8
111	Degradable porous nanoflower substrate-embedded microfluidic device for capture, release and in situ manipulation of cancer cells. <i>Applied Materials Today</i> , 2020, 19, 100617.	2.3	8
112	Interlaminar mechanical properties of nano- and short-aramid fiber reinforced glass fiber-aluminum laminates: a comparative study. <i>Journal of Materials Science</i> , 2021, 56, 12198-12211.	1.7	8
113	Liquid-like layer coated intraocular lens for posterior capsular opacification prevention. <i>Applied Materials Today</i> , 2021, 23, 100981.	2.3	8
114	Accurate and efficient intracellular delivery biosensing system by nanostrawed electroporation array. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113583.	5.3	8
115	A high-sensitive detection method for carvone odor by implanted electrodes in rat olfactory bulb. <i>Science Bulletin</i> , 2014, 59, 29-37.	1.7	7
116	High-efficient and high-content cytotoxic recording via dynamic and continuous cell-based impedance biosensor technology. <i>Biomedical Microdevices</i> , 2016, 18, 94.	1.4	7
117	Hybrid Integrated Cardiomyocyte Biosensors for Bitter Detection and Cardiotoxicity Assessment. <i>ACS Sensors</i> , 2021, 6, 2593-2604.	4.0	7
118	A biosensing system employing nanowell microelectrode arrays to record the intracellular potential of a single cardiomyocyte. <i>Microsystems and Nanoengineering</i> , 2022, 8, .	3.4	7
119	Characterization of Microcrack Orientation Using the Directivity of Secondary Sound Source Induced by an Incident Ultrasonic Transverse Wave. <i>Materials</i> , 2020, 13, 3318.	1.3	6
120	Integrated Au-Nanoroded Biosensing and Regulating Platform for Photothermal Therapy of Bradyarrhythmia. <i>Research</i> , 2022, 2022, 9854342.	2.8	6
121	Wearable Multifunctional Graphene-Based Aerogel/Spacer Fabric Composites for Sensing and Impact Protection. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	6
122	A universal, multimodal cell-based biosensing platform for optimal intracellular action potential recording. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114122.	5.3	6
123	Microelectrode recording of tissue neural oscillations for a bionic olfactory biosensor. <i>Journal of Bionic Engineering</i> , 2012, 9, 494-500.	2.7	5
124	A wearable wireless system for olfactory neural recording in freely moving rats based on Wi-Fi technology. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 457-464.	4.0	5
125	Asynchronous Synergistic Damage Effect of Atomic Oxygen and Space Micro Debris on Kapton Film. <i>Coatings</i> , 2022, 12, 179.	1.2	5
126	Neurochip based on light-addressable potentiometric sensor with wavelet transform de-noising. <i>Journal of Zhejiang University: Science B</i> , 2010, 11, 323-331.	1.3	4

#	ARTICLE	IF	CITATIONS
127	Bioprinting: Extrusion Bioprinting of Shear-Thinning Gelatin Methacryloyl Bioinks (Adv. Healthcare) Tj ETQq1 1 0.784314 rgBT /Overlock	3.9	4
128	Research progress of organoids-on-chips in biomedical application. Chinese Science Bulletin, 2019, 64, 902-910.	0.4	4
129	A dynamic and quantitative biosensing assessment for electroporated membrane evolution of cardiomyocytes. Biosensors and Bioelectronics, 2022, 202, 114016.	5.3	4
130	Multi-labeled neural network model for automatically processing cardiomyocyte mechanical beating signals in drug assessment. Biosensors and Bioelectronics, 2022, 209, 114261.	5.3	4
131	Novel Self-Adaptive Electrolyte for High-Energy Solid-State Lithium Metal Batteries. ACS Applied Energy Materials, 2022, 5, 862-869.	2.5	4
132	DESIGN OF MICROPHYSIOMETER BASED ON MULTIPARAMETER CELL-BASED BIOSENSORS FOR QUICK DRUG ANALYSIS. Journal of Innovative Optical Health Sciences, 2012, 05, 1150005.	0.5	3
133	Biosensors: Label-Free and Regenerative Electrochemical Microfluidic Biosensors for Continual Monitoring of Cell Secretomes (Adv. Sci. 5/2017). Advanced Science, 2017, 4, .	5.6	3
134	Tissue Engineering: Gold Nanocomposite Bioink for Printing 3D Cardiac Constructs (Adv. Funct.) Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50 4	7.8	3
135	Recognition of high-specificity hERG K+ channel inhibitor-induced arrhythmia in cardiomyocytes by automated template matching. Microsystems and Nanoengineering, 2021, 7, 24.	3.4	3
136	Detection and classification of tastants in vivo using a novel bioelectronic tongue in combination with brain-machine interface. , 2015, 2015, 7550-3.		2
137	High-sensitive detection of okadaic acid using human bronchial epithelial cell-based impedance biosensor. , 2017, , .		2
138	Microfluidic Bioprinting: Digitally Tunable Microfluidic Bioprinting of Multilayered Cannular Tissues (Adv. Mater. 43/2018). Advanced Materials, 2018, 30, 1870322.	11.1	2
139	Human Motion Detection: Environmentally-Friendly and Multifunctional Graphene-Silk Fabric Strain Sensor for Human-Motion Detection (Adv. Mater. Interfaces 1/2020). Advanced Materials Interfaces, 2020, 7, 2070006.	1.9	2
140	Waveform covariance imaging for Lamb wave phased array. Structural Health Monitoring, 2023, 22, 388-397.	4.3	2
141	Electromechanical integrated recording of single cardiomyocyte in situ by multimodal microelectrode biosensing system. Biosensors and Bioelectronics, 2022, 212, 114387.	5.3	2
142	A novel Love Wave biosensor for rapid and sensitive detection of marine toxins. , 2015, 2015, 3181-4.		1
143	Dual-function microelectrode array system for simultaneously monitoring electromechanical integration status of cardiomyocytes. , 2015, , .		1
144	Cardiomyocyte-Based Biosensor Based on Impedance Sensor Technology and CCD Imaging Analysis for Pharmaceutical Assessment. Sensor Letters, 2015, 13, 40-47.	0.4	1

#	ARTICLE	IF	CITATIONS
145	Mechanical Properties Evolution and Damage Mechanism of Kevlar Fiber under Ozone Exposure in Near-Space Simulation. <i>Coatings</i> , 2022, 12, 584.	1.2	1
146	A biosensing system using a multiparameter nonlinear dynamic analysis of cardiomyocyte beating for drug-induced arrhythmia recognition. <i>Microsystems and Nanoengineering</i> , 2022, 8, 49.	3.4	1
147	Olfactory Mucosa Tissue Based Biosensor for Bioelectronic Nose. , 2009, , .		0
148	Odors Discrimination by Olfactory Epithelium Biosensor. , 2011, , .		0
149	Evolution Profile for Assessing Drug-Induced Arrhythmia Using Multifunctional Cardiomyocyte-Based Biosensor. <i>Advanced Materials Research</i> , 0, 1058, 339-343.	0.3	0
150	A multifunctional cell-based impedance biosensor system for cardiovascular drug and marine toxin analysis. , 2015, , .		0
151	Micro/Nano Biosensors for Living Cell and Molecule Analysis. , 2016, , 19-44.		0
152	Micro/Nano Cell Potential Biosensors. , 2016, , 97-123.		0
153	Future Trends of Micro/Nano Cell and Molecule-Based Biosensors. , 2016, , 229-240.		0
154	Multifunctional Cardiomyocyte-Based Biosensor for Electrophysiology-Mechanical Beating-Growth Viability Monitoring. , 2021, , .		0
155	A Method for Natural Odorants Detection Using Implanted Electrodes in Rat Olfactory Bulb. <i>Sensor Letters</i> , 2014, 12, 994-998.	0.4	0
156	Synchronized High-Content Recording of Cardiomyocytes in Vitro by Integrated Cell-Based Biosensor. , 2019, , .		0
157	High-throughput rhythmic regulation of cardiomyocytes by integrated electrical stimulation and video-based automated analysis biosensing platform. <i>Biosensors and Bioelectronics</i> , 2022, 209, 114252.	5.3	0
158	Intracellular Recording of Cardiomyocytes by Integrated Electrical Signal Recording and Electrical Pulse Regulating System. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 799312.	2.0	0