

Kaiqi Su

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

581
citations

623734

14
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

755
citing authors

#	ARTICLE	IF	CITATIONS
1	A cardiomyocyte-based biosensor for antiarrhythmic drug evaluation by simultaneously monitoring cell growth and beating. <i>Biosensors and Bioelectronics</i> , 2013, 49, 9-13.	10.1	85
2	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.	7.8	54
3	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.	10.1	51
4	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.	10.1	51
5	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.	10.1	45
6	A sensing smartphone and its portable accessory for on-site rapid biochemical detection of marine toxins. <i>Analytical Methods</i> , 2016, 8, 6895-6902.	2.7	34
7	Smartphone-based portable biosensing system using cell viability biosensor for okadaic acid detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 134-143.	7.8	32
8	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.	7.8	31
9	Detection and classification of natural odors with an in vivo bioelectronic nose. <i>Biosensors and Bioelectronics</i> , 2015, 67, 694-699.	10.1	31
10	An improved efficient biochemical detection method to marine toxins with a smartphone-based portable system—Bionic e-Eye. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1165-1172.	7.8	27
11	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.	4.1	18
12	Integrated multifunctional cell-based biosensor system for monitoring extracellular acidification and cellular growth. <i>Sensors and Actuators A: Physical</i> , 2014, 220, 144-152.	4.1	18
13	Portable Smartphone-based Colorimetric Analyzer with Enhanced Gold Nanoparticles for On-site Tests of Seafood Safety. <i>Analytical Sciences</i> , 2019, 35, 133-140.	1.6	17
14	Comparison between ECIS and LAPS for establishing a cardiomyocyte-based biosensor. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 238-244.	7.8	16
15	Novel research on okadaic acid field-based detection using cell viability biosensor and Bionic e-Eye. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 448-456.	7.8	14
16	An integrated label-free cell-based biosensor for simultaneously monitoring of cellular physiology multiparameter in vitro. <i>Biomedical Microdevices</i> , 2013, 15, 473-480.	2.8	12
17	A Dual Functional Cardiomyocyte-based Hybrid-biosensor for the Detection of Diarrhetic Shellfish Poisoning and Paralytic Shellfish Poisoning Toxins. <i>Analytical Sciences</i> , 2018, 34, 893-900.	1.6	12
18	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.	10.1	10

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19	Detection of cardiovascular drugs and marine toxins using a multifunctional cell-based impedance biosensor system. <i>Analytical Methods</i> , 2015, 7, 7715-7723.	2.7	9
20	High-efficient and high-content cytotoxic recording via dynamic and continuous cell-based impedance biosensor technology. <i>Biomedical Microdevices</i> , 2016, 18, 94.	2.8	7
21	Portable Microplate Analyzer with a Thermostatic Chamber Based on a Smartphone for On-site Rapid Detection. <i>Analytical Sciences</i> , 2017, 33, 1291-1296.	1.6	4
22	A method combining a kit with the Bionic e-Eye for rapid on site detection of diarrhetic shellfish poisoning. <i>Analytical Methods</i> , 2018, 10, 2604-2613.	2.7	3