

Fang Li

List of Publications by Year in descending order

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25
papers

375
citations

933447

10
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

560
citing authors

#	ARTICLE	IF	CITATIONS
1	Impedance Spectroscopy of Adherent Mammalian Cell Culture for Biochemical Applications: A Review. IEEE Sensors Journal, 2021, 21, 5612-5627.	4.7	9
2	MEMS biosensor for monitoring water toxicity based on quartz crystal microbalance. Biointerphases, 2020, 15, 021006.	1.6	3
3	Stretchable Piezoelectric Power Generators Based on ZnO Thin Films on Elastic Substrates. Micromachines, 2019, 10, 661.	2.9	12
4	Love mode surface acoustic wave and impedance sensors for water toxicity sensing. Environmental Progress and Sustainable Energy, 2018, 37, 172-179.	2.3	4
5	Surface Acoustic Wave (SAW) Sensors for Cryogenic Temperature and Strain Sensing. , 2018, , .		5
6	Nano and Microsensors for Mammalian Cell Studies. Micromachines, 2018, 9, 439.	2.9	10
7	Stretchable impedance sensor for mammalian cell proliferation measurements. Lab on A Chip, 2017, 17, 2054-2066.	6.0	24
8	The influence of the electrode dimension on the detection sensitivity of electric cellâ€“substrate impedance sensing (ECIS) and its mathematical modeling. Sensors and Actuators B: Chemical, 2017, 247, 780-790.	7.8	40
9	Simulation study of MEMS piezoelectric vibration energy harvester based on c-axis tilted AlN thin film for performance improvement. AIP Advances, 2016, 6, 125128.	1.3	7
10	Autonomous real-time water quality sensing as an alternative to conventional monitoring to improve the detection of food, energy, and water indicators. Journal of Environmental Studies and Sciences, 2016, 6, 200-207.	2.0	13
11	Toxicity studies using mammalian cells and impedance spectroscopy method. Sensing and Bio-Sensing Research, 2015, 3, 112-121.	4.2	19
12	Finite Element Modeling of Crack Generation in Laser Shock Peening Processed Airfoils. Advances in Materials Science and Engineering, 2014, 2014, 1-10.	1.8	4
13	Love mode surface acoustic wave sensors for cellular toxicity sensing. , 2014, , .		1
14	Study of long-term viability of endothelial cells for lab-on-a-chip devices. Sensors and Actuators B: Chemical, 2013, 182, 696-705.	7.8	27
15	A Novel Cell-Based Hybrid Acoustic Wave Biosensor with Impedimetric Sensing Capabilities. Sensors, 2013, 13, 3039-3055.	3.8	29
16	Water toxicity detection using cell-based hybrid biosensors. , 2013, , .		0
17	Cell shape regulates collagen type I expression in human tendon fibroblasts. Cytoskeleton, 2008, 65, 332-341.	4.4	71
18	Thickness shear mode acoustic wave sensors for characterizing the viscoelastic properties of cell monolayer. Sensors and Actuators B: Chemical, 2008, 128, 399-406.	7.8	45

#	ARTICLE	IF	CITATIONS
19	Characteristics of dual mode AlN thin film bulk acoustic wave resonators. , 2008, , .		2
20	Monitoring cell adhesion and characterizing cell viscoelasticity by using thickness shear mode (TSM) resonate sensor. , 2008, , .		0
21	Ammonia sensing characteristics of quartz resonator coated with ZnO nanowires sensitive layer. , 2008, , .		3
22	Monitoring cell adhesion by using thickness shear mode acoustic wave sensors. Biosensors and Bioelectronics, 2007, 23, 42-50.	10.1	40
23	Characterization of Extracellular Matrix (ECM) Produced by MC3T3 Cells Using Thickness Shear Mode (TSM) Resonators. , 2006, , .		1
24	Array of dielectric nanocomposite devices using photoepoxy Su-8 as the polymeric phase. Applied Physics Letters, 2006, 89, 232905.	3.3	5
25	Quartz thickness shear mode resonators for living cells based functional biosensors. , 0, , .		1