Shilun L Feng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/76958/publications.pdf

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23	501	759055 12	752573 20
papers	citations	h-index	g-index

24	24	24	681
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Hi-Bi Ultra-Sensitive Surface Plasmon Resonance Fiber Sensor. IEEE Access, 2019, 7, 79085-79094.	2.6	116
2	Bio-electrostatic sensitive droplet lasers for molecular detection. Nanoscale Advances, 2020, 2, 2713-2719.	2.2	45
3	Application of microfluidic technology in food processing. Food and Function, 2020, 11, 5726-5737.	2.1	44
4	Biomarkers detection with magnetoresistance-based sensors. Biosensors and Bioelectronics, 2020, 165, 112340.	5.3	40
5	Recent Progress in 3D Printed Mold-Based Sensors. Sensors, 2020, 20, 703.	2.1	37
6	On-chip structure-switching aptamer-modified magnetic nanobeads for the continuous monitoring of interferon-gamma ex vivo. Microsystems and Nanoengineering, 2019, 5, 35.	3.4	27
7	A Review on the Use of Impedimetric Sensors for the Inspection of Food Quality. International Journal of Environmental Research and Public Health, 2020, 17, 5220.	1.2	26
8	A 3D-printed modular magnetic digital microfluidic architecture for on-demand bioanalysis. Microsystems and Nanoengineering, 2020, 6, 48.	3.4	24
9	Maximizing particle concentration in deterministic lateral displacement arrays. Biomicrofluidics, 2017, 11, 024121.	1.2	20
10	Trapping and Detection of Single Viruses in an Optofluidic Chip. ACS Sensors, 2021, 6, 3445-3450.	4.0	18
11	A Review of Capillary Pressure Control Valves in Microfluidics. Biosensors, 2021, 11, 405.	2.3	18
12	Droplets for Sampling and Transport of Chemical Signals in Biosensing: A Review. Biosensors, 2019, 9, 80.	2.3	16
13	The fluidic resistance of an array of obstacles and a method for improving boundaries in deterministic lateral displacement arrays. Microfluidics and Nanofluidics, 2020, 24, 1.	1.0	12
14	The Development of a Photothermal Immunochromatographic Lateral Flow Strip for Rapid and Sensitive Detection of Bisphenol A in Food Samples. Food Analytical Methods, 2021, 14, 127-135.	1.3	12
15	A microfluidic needle for sampling and delivery of chemical signals by segmented flows. Applied Physics Letters, 2017, 111, 183702.	1.5	10
16	Development of an Internet of Things Based Electrochemical Microfluidic System for Free Calcium Detection. Applied Sciences (Switzerland), 2018, 8, 1357.	1.3	10
17	Hydrogel Microlasers for Versatile Biomolecular Analysis Based on a Lasing Microarray. Advanced Photonics Research, 2020, 1, 2000041.	1.7	10
18	Microfluidic Droplet Extraction by Hydrophilic Membrane. Micromachines, 2017, 8, 331.	1.4	4

#	Article	IF	Citations
19	Microfabricated needle for hydrogen peroxide detection. RSC Advances, 2019, 9, 18176-18181.	1.7	4
20	Significant fat reduction in deepâ€fried kamaboko by fish protein hydrolysates derived from common carp (Cyprinus carpio). Journal of the Science of Food and Agriculture, 2019, 99, 3255-3263.	1.7	4
21	PDMS-Embedded Conductive Fabric: A Simple Solution for Fabricating PDMS-Based Wearable Antennas with Robust Performance. , 2018, , .		2
22	Development of Novel Gold/PDMS Sensors for Medical Applications. , 2018, , .		1
23	Development of Printed Sensors for Shoe Sensing Applications. , 2018, , .		1