

Zhu Feng

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

122
citations

1307594

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1372567

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all docs

11
docs citations

11
times ranked

223
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated magnetic microfluidic chip for rapid immunodetection of the prostate specific antigen using immunomagnetic beads. <i>Mikrochimica Acta</i> , 2019, 186, 252.	5.0	18
2	An integrated microfluidic system using a micro-fluxgate and micro spiral coil for magnetic microbeads trapping and detecting. <i>Scientific Reports</i> , 2017, 7, 12967.	3.3	17
3	Sensitive detection of cardiac troponin T based on superparamagnetic bead-labels using a flexible micro-fluxgate sensor. <i>RSC Advances</i> , 2017, 7, 52327-52336.	3.6	16
4	Wide Linearity Range and Highly Sensitive MEMS-Based Micro-Fluxgate Sensor with Double-Layer Magnetic Core Made of Fe-Co Amorphous Alloy. <i>Micromachines</i> , 2017, 8, 352.	2.9	16
5	A sensitive and innovative detection method for rapid C-reactive proteins analysis based on a micro-fluxgate sensor system. <i>PLoS ONE</i> , 2018, 13, e0194631.	2.5	16
6	A novel integrated microfluidic platform based on micro-magnetic sensor for magnetic bead manipulation and detection. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	10
7	An integrated three-dimensional micro-solenoid giant magnetoimpedance sensing system based on MEMS technology. <i>Sensors and Actuators A: Physical</i> , 2019, 299, 111640.	4.1	9
8	An innovative micro magnetic separator based on 3D micro-copper-coil exciting soft magnetic tips and FeNi wires for bio-target sorting. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	2.2	8
9	Effect of Field Annealing Induced Magnetic Anisotropy on the Performance of Meander-Core Orthogonal Fluxgate Sensor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800400.	1.8	6
10	Improved Performance of Fundamental Mode Orthogonal Fluxgate Using a Micro-Patterned Meander-Shaped Ribbon Core. <i>Sensors</i> , 2019, 19, 5058.	3.8	6