

Shaotao Zhi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A General FEM Model for Analysis of Third-Order Nonlinearity in RF Surface Acoustic Wave Devices Based on Perturbation Theory. <i>Micromachines</i> , 2022, 13, 1116.	2.9	3
2	Demagnetization Effect in a Meander-Core Orthogonal Fluxgate Sensor. <i>Micromachines</i> , 2021, 12, 937.	2.9	1
3	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
4	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
5	Improved Performance of Fundamental Mode Orthogonal Fluxgate Using a Micro-Patterned Meander-Shaped Ribbon Core. <i>Sensors</i> , 2019, 19, 5058.	3.8	6
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	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
8	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
9	Investigation of a novel MEMS orthogonal fluxgate sensor fabricated with Co-based amorphous ribbon core. <i>Sensors and Actuators A: Physical</i> , 2017, 267, 121-126.	4.1	14
10	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
11	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
12	The Disturbing Effect of the Stray Magnetic Fields on Magnetoimpedance Sensors. <i>Sensors</i> , 2016, 16, 1723.	3.8	4
13	Investigation of contactless detection using a giant magnetoresistance sensor for detecting prostate specific antigen. <i>Biomedical Microdevices</i> , 2016, 18, 60.	2.8	10