

Ki-Ho Han

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

866
citations

567144

15
h-index

526166

27
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31
all docs

31
docs citations

31
times ranked

1343
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of serum prostate-specific antigen (PSA) level and circulating tumor cell-based PSA mRNA in prostate cancer. <i>Prostate International</i> , 2022, 10, 14-20.	1.2	8
2	A disposable smart microfluidic platform integrated with on-chip flow sensors. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112897.	5.3	15
3	Multigene model for predicting metastatic prostate cancer using circulating tumor cells by microfluidic magnetophoresis. <i>Cancer Science</i> , 2021, 112, 859-870.	1.7	11
4	Lateral Degassing Method for Disposable Film-Chip Microfluidic Devices. <i>Membranes</i> , 2021, 11, 316.	1.4	7
5	Disposable capacitive electrical droplet measurement (DisC-EDM) based on a film-chip technique. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130192.	4.0	1
6	A Direct Comparison between the Lateral Magnetophoretic Microseparator and AdnaTest for Isolating Prostate Circulating Tumor Cells. <i>Micromachines</i> , 2020, 11, 870.	1.4	7
7	Graphene Oxide Nanoparticles Having Long Wavelength Absorbing Chlorins for Highly-Enhanced Photodynamic Therapy with Reduced Dark Toxicity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4344.	1.8	12
8	An assembly disposable degassing microfluidic device using a gas-permeable hydrophobic membrane and a reusable microsupport array. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 353-361.	4.0	9
9	Evaluation of Positive and Negative Methods for Isolation of Circulating Tumor Cells by Lateral Magnetophoresis. <i>Micromachines</i> , 2019, 10, 386.	1.4	34
10	A disposable microfluidic flow sensor with a reusable sensing substrate. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 147-154.	4.0	16
11	Digital quantification and selection of high-lipid-producing microalgae through a lateral dielectrophoresis-based microfluidic platform. <i>Lab on A Chip</i> , 2019, 19, 4128-4138.	3.1	26
12	Microfluidic technologies for circulating tumor cell isolation. <i>Analyst, The</i> , 2018, 143, 2936-2970.	1.7	130
13	A disposable microfluidic device with a reusable magnetophoretic functional substrate for isolation of circulating tumor cells. <i>Lab on A Chip</i> , 2017, 17, 4113-4123.	3.1	37
14	Single-Cell Isolation of Circulating Tumor Cells from Whole Blood by Lateral Magnetophoretic Microseparation and Microfluidic Dispensing. <i>Analytical Chemistry</i> , 2016, 88, 4857-4863.	3.2	62
15	Analytical evaluation for somatic mutation detection in circulating tumor cells isolated using a lateral magnetophoretic microseparator. <i>Biomedical Microdevices</i> , 2016, 18, 91.	1.4	6
16	Oxidation-temperature dependence of the optical properties of ZnO thin films grown on corning glass by oxidation of metallic Zn. <i>Journal of the Korean Physical Society</i> , 2015, 67, 1278-1283.	0.3	2
17	Electrical Detection Method for Circulating Tumor Cells Using Graphene Nanoplates. <i>Analytical Chemistry</i> , 2015, 87, 10585-10592.	3.2	55
18	Isolation of nucleated red blood cells in maternal blood for Non-invasive prenatal diagnosis. <i>Biomedical Microdevices</i> , 2015, 17, 118.	1.4	37

#	ARTICLE	IF	CITATIONS
19	High-shock silicon accelerometer with suspended piezoresistive sensing bridges. Journal of Mechanical Science and Technology, 2014, 28, 1449-1454.	0.7	15
20	An on-chip RT-PCR microfluidic device, that integrates mRNA extraction, cDNA synthesis, and gene amplification. RSC Advances, 2014, 4, 9160.	1.7	27
21	Circulating Tumor Cell Microseparator Based on Lateral Magnetophoresis and Immunomagnetic Nanobeads. Analytical Chemistry, 2013, 85, 2779-2786.	3.2	137
22	Impedance-activated microseparator based on amplitude modulation sensing and dielectrophoretic switching methods. Sensors and Actuators B: Chemical, 2012, 171-172, 1312-1320.	4.0	4
23	Micro-/nanotechnology-based isolation and clinical significance of circulating tumor cells. Biomedical Engineering Letters, 2012, 2, 78-87.	2.1	7
24	Lateral dielectrophoretic microseparators to measure the size distribution of blood cells. Lab on A Chip, 2011, 11, 3864.	3.1	28
25	Label-free continuous lateral magneto-dielectrophoretic microseparators for highly efficient enrichment of circulating nucleated cells from peripheral blood. Sensors and Actuators B: Chemical, 2011, 157, 314-320.	4.0	18
26	High-performance capacitive microaccelerometer using large proof-mass and high-amplitude sense voltage. , 2010, , .		0
27	Lateral displacement as a function of particle size using a piecewise curved planar interdigitated electrode array. Lab on A Chip, 2009, 9, 2958.	3.1	48
28	Lateral-driven continuous magnetophoretic microseparator for separating blood cells based on their native magnetic properties. , 2009, , .		4
29	A Fully Automated Micro-Solid Phase Extraction Chip for Genetic Sample Preparation System. , 2009, , .		0
30	Lateral-driven continuous dielectrophoretic microseparators for blood cells suspended in a highly conductive medium. Lab on A Chip, 2008, 8, 1079.	3.1	102
31	6-Stage Cascade Mode Magnetophoretic Microseparator for Human Blood Cells. , 2007, , .		1