

Tae-Hyeong Kim

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,428
citations

471509

17
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

2078
citing authors

#	ARTICLE	IF	CITATIONS
1	Exodisc for Rapid, Size-Selective, and Efficient Isolation and Analysis of Nanoscale Extracellular Vesicles from Biological Samples. <i>ACS Nano</i> , 2017, 11, 1360-1370.	14.6	247
2	Fully Integrated Lab-on-a-Disc for Nucleic Acid Analysis of Food-Borne Pathogens. <i>Analytical Chemistry</i> , 2014, 86, 3841-3848.	6.5	204
3	Fully integrated lab-on-a-disc for simultaneous analysis of biochemistry and immunoassay from whole blood. <i>Lab on A Chip</i> , 2011, 11, 70-78.	6.0	182
4	Lab-on-a-Disc for Fully Integrated Multiplex Immunoassays. <i>Analytical Chemistry</i> , 2012, 84, 2133-2140.	6.5	141
5	FAST: Size-Selective, Clog-Free Isolation of Rare Cancer Cells from Whole Blood at a Liquid-Liquid Interface. <i>Analytical Chemistry</i> , 2017, 89, 1155-1162.	6.5	99
6	Thermo-pneumatic pumping in centrifugal microfluidic platforms. <i>Microfluidics and Nanofluidics</i> , 2011, 11, 643-652.	2.2	77
7	Flow-enhanced electrochemical immunosensors on centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2013, 13, 3747.	6.0	69
8	Circulating tumor cells detected by lab-on-a-disc: Role in early diagnosis of gastric cancer. <i>PLoS ONE</i> , 2017, 12, e0180251.	2.5	63
9	Paper on a disc: balancing the capillary-driven flow with a centrifugal force. <i>Lab on A Chip</i> , 2011, 11, 3404.	6.0	49
10	Fully automated, on-site isolation of cfDNA from whole blood for cancer therapy monitoring. <i>Lab on A Chip</i> , 2018, 18, 1320-1329.	6.0	48
11	Make Caffeine Visible: a Fluorescent Caffeine Traffic Light-Detector. <i>Scientific Reports</i> , 2013, 3, 2255.	3.3	43
12	A lab-on-a-disc with reversible and thermally stable diaphragm valves. <i>Lab on A Chip</i> , 2016, 16, 3741-3749.	6.0	38
13	Electrochemical velocimetry on centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2013, 13, 3253.	6.0	33
14	Challenges and Opportunities of Centrifugal Microfluidics for Extreme Point-of-Care Testing. <i>Micromachines</i> , 2016, 7, 32.	2.9	32
15	Geometry effects on blood separation rate on a rotating disc. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 648-655.	7.8	31
16	Fully automated platelet isolation on a centrifugal microfluidic device for molecular diagnostics. <i>Lab on A Chip</i> , 2020, 20, 949-957.	6.0	22
17	Centrifugal microfluidic system for a fully automated N-fold serial dilution. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 310-317.	7.8	19
18	Portable sample processing for molecular assays: application to Zika virus diagnostics. <i>Lab on A Chip</i> , 2022, 22, 1748-1763.	6.0	15

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19	On-chip concentration of bacteria using a 3D dielectrophoretic chip and subsequent laser-based DNA extraction in the same chip. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 065010.	2.6	12
20	Fully Integrated Immunoassays on a Disc. <i>ECS Transactions</i> , 2011, 35, 47-55.	0.5	0