

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

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