

Yoon-Tae Kang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

697
citations

567281

15
h-index

677142

22
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24
all docs

24
docs citations

24
times ranked

1056
citing authors

#	ARTICLE	IF	CITATIONS
1	High-purity capture and release of circulating exosomes using an exosome-specific dual-patterned immunofiltration (ExoDIF) device. <i>Nanoscale</i> , 2017, 9, 13495-13505.	5.6	116
2	Isolation and Profiling of Circulating Tumor-Associated Exosomes Using Extracellular Vesicular Lipid-Protein Binding Affinity Based Microfluidic Device. <i>Small</i> , 2019, 15, e1903600.	10.0	106
3	Microfluidic device for high-throughput affinity-based isolation of extracellular vesicles. <i>Lab on A Chip</i> , 2020, 20, 1762-1770.	6.0	57
4	Dual-Isolation and Profiling of Circulating Tumor Cells and Cancer Exosomes from Blood Samples with Melanoma Using Immunoaffinity-Based Microfluidic Interfaces. <i>Advanced Science</i> , 2020, 7, 2001581.	11.2	53
5	On-Chip Biogenesis of Circulating NK Cell-Derived Exosomes in Non-Small Cell Lung Cancer Exhibits Antitumoral Activity. <i>Advanced Science</i> , 2021, 8, 2003747.	11.2	50
6	Poly(ethylene glycol)-Modified Tapered-Slit Membrane Filter for Efficient Release of Captured Viable Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2016, 88, 7938-7945.	6.5	37
7	Label-free Rapid Viable Enrichment of Circulating Tumor Cell by Photosensitive Polymer-based Microfilter Device. <i>Theranostics</i> , 2017, 7, 3179-3191.	10.0	35
8	Tapered-slit membrane filters for high-throughput viable circulating tumor cell isolation. <i>Biomedical Microdevices</i> , 2015, 17, 45.	2.8	32
9	Extracellular vesicles on demand (EVOD) chip for screening and quantification of cancer-associated extracellular vesicles. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112535.	10.1	32
10	Polyester fabric sheet layers functionalized with graphene oxide for sensitive isolation of circulating tumor cells. <i>Biomaterials</i> , 2017, 125, 1-11.	11.4	25
11	Post-debulking circulating tumor cell as a poor prognostic marker in advanced stage ovarian cancer. <i>Medicine (United States)</i> , 2019, 98, e15354.	1.0	25
12	Dual-patterned immunofiltration (DIF) device for the rapid efficient negative selection of heterogeneous circulating tumor cells. <i>Lab on A Chip</i> , 2016, 16, 4759-4769.	6.0	24
13	Lab on a fabric: Mass producible and low-cost fabric filters for the high-throughput viable isolation of circulating tumor cells. <i>Biosensors and Bioelectronics</i> , 2017, 91, 747-755.	10.1	24
14	Circulating tumor cells in the differential diagnosis of adnexal masses. <i>Oncotarget</i> , 2017, 8, 77195-77206.	1.8	19
15	Epithelial and mesenchymal circulating tumor cell isolation and discrimination using dual-immunopatterned device with newly-developed anti-63B6 and anti-EpCAM. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 320-330.	7.8	18
16	Cytopathological Study of the Circulating Tumor Cells filtered from the Cancer Patients' Blood using Hydrogel-based Cell Block Formation. <i>Scientific Reports</i> , 2018, 8, 15218.	3.3	15
17	Multiplex isolation and profiling of extracellular vesicles using a microfluidic DICE device. <i>Analyst</i> , 2019, 144, 5785-5793.	3.5	15
18	A cell impedance measurement device for the cytotoxicity assay dependent on the velocity of supplied toxic fluid. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 045012.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Isolation of Circulating Biomarkers for Liquid Biopsy using Immunoaffinity-Based Stimuli-Responsive Hybrid Hydrogel Beads. <i>Analysis & Sensing</i> , 2021, 1, 117-129.	2.0	3
20	A multi-staining chip using hydrophobic valves for exfoliative cytology in cancer. <i>Journal of Micromechanics and Microengineering</i> , 2017, 27, 075022.	2.6	2
21	Isolation of Circulating Tumor Cells to Diagnose Melanoma and Evaluate the Efficacy of Surgical Resection Using Melanoma-Specific Microsystem. <i>Advanced NanoBiomed Research</i> , 2022, 2, .	3.6	2
22	Detection of circulating tumour cells and their potential use as a biomarker for advanced renal cell carcinoma. <i>Canadian Urological Association Journal</i> , 2019, , E285-E291.	0.6	1
23	Fast and Cost-Effective Isolation of Circulating Exosomes Using Porous PDMS-Based Microsystem(Porous Exochip). , 2022, , .		1
24	Graphene oxide coated fabric layers for the efficient isolation of circulating tumor cells. , 2017, , .		0