Young-Tae Kim

List of Publications by Year
in descending order

22	420	840776 11	752698 20
papers	citations	h-index	g-index

22	22	22	775
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neuro-optical microfluidic platform to study injury and regeneration of single axons. Lab on A Chip, 2009, 9, 2576.	6.0	78
2	Pain Inhibition by Optogenetic Activation of Specific Anterior Cingulate Cortical Neurons. PLoS ONE, 2015, 10, e0117746.	2.5	76
3	OKN-007 Increases temozolomide (TMZ) Sensitivity and Suppresses TMZ-Resistant Glioblastoma (GBM) Tumor Growth. Translational Oncology, 2019, 12, 320-335.	3.7	33
4	Proliferation and migration of tumor cells in tapered channels. Biomedical Microdevices, 2013, 15, 635-643.	2.8	32
5	Parallel recognition of cancer cells using an addressable array of solid-state micropores. Biosensors and Bioelectronics, 2014, 62, 343-349.	10.1	25
6	Classification of cancer cells using computational analysis of dynamic morphology. Computer Methods and Programs in Biomedicine, 2018, 156, 105-112.	4.7	24
7	Label-free optical detection of action potential in mammalian neurons. Biomedical Optics Express, 2017, 8, 3700.	2.9	23
8	Optical delivery of multiple opsin-encoding genes leads to targeted expression and white-light activation. Light: Science and Applications, 2015, 4, e352-e352.	16.6	18
9	Ultrafast laser-assisted spatially targeted optoporation into cortical axons and retinal cells in the eye. Journal of Biomedical Optics, 2017, 22, 060504.	2.6	16
10	Spatial temperature gradients guide axonal outgrowth. Scientific Reports, 2016, 6, 29876.	3.3	14
11	Differentiating Metastatic and Non-metastatic Tumor Cells from Their Translocation Profile through Solid-State Micropores. Langmuir, 2016, 32, 4924-4934.	3.5	13
12	Broadband activation by white-opsin lowers intensity threshold for cellular stimulation. Scientific Reports, 2015, 5, 17857.	3.3	9
13	Loop formation and self-fasciculation of cortical axon using photonic guidance at long working distance. Scientific Reports, 2014, 4, 6902.	3.3	9
14	Physical confinement during cancer cell migration triggers therapeutic resistance and cancer stem cell-like behavior. Cancer Letters, 2021, 506, 142-151.	7.2	9
15	Broad-Band Activatable White-Opsin. PLoS ONE, 2015, 10, e0136958.	2.5	8
16	One-step tumor detection from dynamic morphology tracking on aptamer-grafted surfaces. Technology, 2015, 03, 194-200.	1.4	8
17	Physical Forces in Glioblastoma Migration: A Systematic Review. International Journal of Molecular Sciences, 2022, 23, 4055.	4.1	7
18	Brain Tumor Genetic Modification Yields Increased Resistance to Paclitaxel in Physical Confinement. Scientific Reports, 2016, 6, 26134.	3.3	5

#	Article	IF	Citations
19	Role of key genetic mutations on increasing migration of brain cancer cells through confinement. Biomedical Microdevices, 2017, 19, 56.	2.8	5
20	Microchannel device for proteomic analysis of migrating cancer cells. Biomedical Physics and Engineering Express, 2018, 4, 065026.	1.2	3
21	Single-cell-level screening method for migratory cancer cells and its potential feasibility in high-throughput manner. Biofabrication, 2020, 12, 035019.	7.1	3
22	Ion-Sensitive Field-Effect Transistors With Micropillared Gates for Measuring Cell Ion Exchange at Molecular Levels. IEEE Access, 2018, 6, 72675-72682.	4.2	2