

Jaewon Park

List of Publications by Year in descending order

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36
papers

1,047
citations

687363

13
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434195

31
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docs citations

36
times ranked

1713
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorogenic "on-off" nanosensor based on dual-quenching effect for imaging intracellular metabolite of various microalgae. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113839.	10.1	6
2	Simultaneous probing of dual intracellular metabolites (ATP and paramylon) in live microalgae using graphene oxide/aptamer nanocomplex. <i>Mikrochimica Acta</i> , 2022, 189, 88.	5.0	4
3	High-Aspect-Ratio Microfluidic Channel with Parallelogram Cross-Section for Monodisperse Droplet Generation. <i>Biosensors</i> , 2022, 12, 118.	4.7	5
4	Application of electrical treatment on <i>Euglena gracilis</i> for increasing paramylon production. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1031-1039.	3.6	10
5	Optimization of PTFE Coating on PDMS Surfaces for Inhibition of Hydrophobic Molecule Absorption for Increased Optical Detection Sensitivity. <i>Sensors</i> , 2021, 21, 1754.	3.8	12
6	Detection of Particulate Matters with a Field-Portable Microscope Using Side-Illuminated Total Internal Reflection. <i>Sensors</i> , 2021, 21, 2745.	3.8	2
7	Wearable Intracranial Pressure Monitoring Sensor for Infants. <i>Biosensors</i> , 2021, 11, 213.	4.7	5
8	Mechanical stress induced astaxanthin accumulation of <i>H. pluvialis</i> on a chip. <i>Lab on A Chip</i> , 2020, 20, 647-654.	6.0	16
9	Rapid and Accurate Quantification of Paramylon Produced from <i>Euglena gracilis</i> Using an ssDNA Aptamer. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 402-408.	5.2	8
10	Liquid metal embedded real time microfluidic flow pressure monitoring sensor. <i>Sensors and Actuators A: Physical</i> , 2020, 305, 111909.	4.1	7
11	Engineering High-Resolution Micropatterns Directly onto Titanium with Optimized Contact Guidance to Promote Osteogenic Differentiation and Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43888-43901.	8.0	35
12	A novel approach to enhance astaxanthin production in <i>Haematococcus lacustris</i> using a microstructure-based culture platform. <i>Algal Research</i> , 2019, 39, 101464.	4.6	15
13	Mechanical segregation and capturing of clonal circulating plasma cells in multiple myeloma using micropillar-integrated microfluidic device. <i>Biomicrofluidics</i> , 2019, 13, 064114.	2.4	7
14	The Effect of Oil Viscosity on Droplet Generation Rate and Droplet Size in a T-Junction Microfluidic Droplet Generator. <i>Micromachines</i> , 2019, 10, 808.	2.9	35
15	A Three-Dimensional Arrayed Microfluidic Blood "Brain Barrier Model With Integrated Electrical Sensor Array. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 431-439.	4.2	95
16	Dynamic m6A modification regulates local translation of mRNA in axons. <i>Nucleic Acids Research</i> , 2018, 46, 1412-1423.	14.5	265
17	Enhancement of microalga <i>Haematococcus pluvialis</i> growth and astaxanthin production by electrical treatment. <i>Bioresource Technology</i> , 2018, 268, 815-819.	9.6	39
18	Investigation of Infrared Photo-Detection Through Subgap Density-of-States in a-InGaZnO Thin-Film Transistors. <i>IEEE Electron Device Letters</i> , 2017, 38, 584-587.	3.9	8

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19	Band-Bending Effect in the Characterization of Subgap Density-of-States in Amorphous TFTs Through Fully Electrical Techniques. IEEE Electron Device Letters, 2017, 38, 199-202.	3.9	3
20	A Microchip for High-Throughput Axon Growth Drug Screening. Micromachines, 2016, 7, 114.	2.9	13
21	Hybrid Open Drain Method and Fully Current-Based Characterization of Asymmetric Resistance Components in a Single MOSFET. IEEE Transactions on Electron Devices, 2016, 63, 4196-4200.	3.0	7
22	Multi-compartment Neuron-Glia Coculture Microsystem. Neuromethods, 2015, , 149-159.	0.3	0
23	Liquid-Phase Capillary Etching of Poly(Dimethylsiloxane) Microchannels With Tetra-n-Butylammonium Fluoride. Journal of Microelectromechanical Systems, 2014, 23, 276-283.	2.5	2
24	A microchip for quantitative analysis of CNS axon growth under localized biomolecular treatments. Journal of Neuroscience Methods, 2014, 221, 166-174.	2.5	58
25	Microfluidic systems for axonal growth and regeneration research. Neural Regeneration Research, 2014, 9, 1703.	3.0	8
26	Axon Length Quantification Microfluidic Culture Platform for Growth and Regeneration Study. Methods in Molecular Biology, 2014, 1162, 85-95.	0.9	0
27	Microchemostat array with small-volume fraction replenishment for steady-state microbial culture. Lab on A Chip, 2013, 13, 4217.	6.0	21
28	Multi-compartment neuron-glia co-culture platform for localized CNS axon-glia interaction study. Lab on A Chip, 2012, 12, 3296.	6.0	81
29	A magnetic resonance (MR) microscopy system using a microfluidically cryo-cooled planar coil. Lab on A Chip, 2011, 11, 2197.	6.0	10
30	Fabrication of high-aspect-ratio polymer nanochannels using a novel Si nanoimprint mold and solvent-assisted sealing. Microfluidics and Nanofluidics, 2010, 9, 163-170.	2.2	39
31	Micro-macro hybrid soft-lithography master (MMHSM) fabrication for lab-on-a-chip applications. Biomedical Microdevices, 2010, 12, 345-351.	2.8	30
32	An integrated microfluidic cryo-cooled planar coil system for magnetic resonance imaging (MRI). , 2010, , .		0
33	Lateral-flow particle filtration and separation with multilayer microfluidic channels. Journal of Vacuum Science & Technology B, 2009, 27, 3115.	1.3	3
34	Microfluidic compartmentalized co-culture platform for CNS axon myelination research. Biomedical Microdevices, 2009, 11, 1145-1153.	2.8	161
35	Micropatterning of poly(dimethylsiloxane) using a photoresist lift-off technique for selective electrical insulation of microelectrode arrays. Journal of Micromechanics and Microengineering, 2009, 19, 065016.	2.6	23
36	A Multi-compartment CNS Neuron-glia Co-culture Microfluidic Platform. Journal of Visualized Experiments, 2009, , .	0.3	14