

Jiandong Wu

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

894
citations

430874

18
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1341
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in microfluidics-based chemotaxis studies. <i>Lab on A Chip</i> , 2013, 13, 2484.	6.0	126
2	Lab-on-chip technology for chronic disease diagnosis. <i>Npj Digital Medicine</i> , 2018, 1, 7.	10.9	99
3	A new tool to attack biofilms: driving magnetic iron-oxide nanoparticles to disrupt the matrix. <i>Nanoscale</i> , 2019, 11, 6905-6915.	5.6	68
4	Lab-on-a-Chip Platforms for Detection of Cardiovascular Disease and Cancer Biomarkers. <i>Sensors</i> , 2017, 17, 2934.	3.8	60
5	A flux-adaptable pump-free microfluidics-based self-contained platform for multiplex cancer biomarker detection. <i>Lab on A Chip</i> , 2021, 21, 143-153.	6.0	53
6	Rapid and Low-Cost CRP Measurement by Integrating a Paper-Based Microfluidic Immunoassay with Smartphone (CRP-Chip). <i>Sensors</i> , 2017, 17, 684.	3.8	43
7	Paper-Based Microfluidic Device (DON-Chip) for Rapid and Low-Cost Deoxynivalenol Quantification in Food, Feed, and Feed Ingredients. <i>ACS Sensors</i> , 2019, 4, 3072-3079.	7.8	36
8	A radial microfluidic platform for higher throughput chemotaxis studies with individual gradient control. <i>Lab on A Chip</i> , 2018, 18, 3855-3864.	6.0	34
9	Collective cell migration has distinct directionality and speed dynamics. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3841-3850.	5.4	33
10	Recent development of portable imaging platforms for cell-based assays. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 150-160.	10.1	30
11	A Microfluidic Platform for Evaluating Neutrophil Chemotaxis Induced by Sputum from COPD Patients. <i>PLoS ONE</i> , 2015, 10, e0126523.	2.5	28
12	A dual-docking microfluidic cell migration assay (D ² -Chip) for testing neutrophil chemotaxis and the memory effect. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 303-312.	1.3	27
13	Mkit: A cell migration assay based on microfluidic device and smartphone. <i>Biosensors and Bioelectronics</i> , 2018, 99, 259-267.	10.1	27
14	A Passive Mixing Microfluidic Urinary Albumin Chip for Chronic Kidney Disease Assessment. <i>ACS Sensors</i> , 2018, 3, 2191-2197.	7.8	25
15	The effects of activin A on the migration of human breast cancer cells and neutrophils and their migratory interaction. <i>Experimental Cell Research</i> , 2017, 357, 107-115.	2.6	21
16	Fibroblast growth factor 23 weakens chemotaxis of human blood neutrophils in microfluidic devices. <i>Scientific Reports</i> , 2017, 7, 3100.	3.3	21
17	Fully-functional semi-automated microfluidic immunoassay platform for quantitation of multiple samples. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 127017.	7.8	21
18	Generation of flow and droplets with an ultra-long-range linear concentration gradient. <i>Lab on A Chip</i> , 2021, 21, 4390-4400.	6.0	21

#	ARTICLE	IF	CITATIONS
19	Effect of Manitoba-Grown Red-Osier Dogwood Extracts on Recovering Caco-2 Cells from H ₂ O ₂ -Induced Oxidative Damage. <i>Antioxidants</i> , 2019, 8, 250.	5.1	20
20	An all-on-chip method for testing neutrophil chemotaxis induced by fMLP and COPD patient's sputum. <i>Technology</i> , 2016, 04, 104-109.	1.4	17
21	Recent Developments in Electrotaxis Assays. <i>Advances in Wound Care</i> , 2014, 3, 149-155.	5.1	14
22	A compact microfluidic system for cell migration studies. <i>Biomedical Microdevices</i> , 2014, 16, 521-528.	2.8	14
23	Neutrophil migration under spatially-varying chemoattractant gradient profiles. <i>Biomedical Microdevices</i> , 2015, 17, 9963.	2.8	13
24	Emerging optofluidic technologies for biodiagnostic applications. <i>View</i> , 2021, 2, 20200035.	5.3	9
25	Sputum from chronic obstructive pulmonary disease patients inhibits T cell migration in a microfluidic device. <i>Annals of the New York Academy of Sciences</i> , 2019, 1445, 52-61.	3.8	8
26	An All-on-chip Method for Rapid Neutrophil Chemotaxis Analysis Directly from a Drop of Blood. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	7
27	Analysis of CCR7 mediated T cell transfectant migration using a microfluidic gradient generator. <i>Journal of Immunological Methods</i> , 2015, 419, 9-17.	1.4	6
28	Boron rich nanotube drug carrier system is suited for boron neutron capture therapy. <i>Scientific Reports</i> , 2021, 11, 15520.	3.3	6
29	A self-quenching fluorescence probe-mediated exponential isothermal amplification system for highly sensitive and specific detection of microRNAs. <i>Chemical Communications</i> , 2021, 57, 12599-12602.	4.1	5
30	A triple-unit microfluidic device (D3-chip) for cell migration research. <i>Protocol Exchange</i> , 0, , .	0.3	2
31	Microengineered tools for studying cell migration in electric fields. , 0, , 110-127.		0