

Thomas Frisk

List of Publications by Year in descending order

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31
papers

756
citations

567281

15
h-index

552781

26
g-index

32
all docs

32
docs citations

32
times ranked

1055
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound-controlled cell aggregation in a multi-well chip. <i>Lab on A Chip</i> , 2010, 10, 2727.	6.0	121
2	Mechanical properties of primary cilia regulate the response to fluid flow. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, F1096-F1102.	2.7	93
3	Imaging Immune Surveillance of Individual Natural Killer Cells Confined in Microwell Arrays. <i>PLoS ONE</i> , 2010, 5, e15453.	2.5	62
4	Live cell imaging in a micro-array of acoustic traps facilitates quantification of natural killer cell heterogeneity. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 712-719.	1.3	55
5	Acoustic formation of multicellular tumor spheroids enabling on-chip functional and structural imaging. <i>Lab on A Chip</i> , 2018, 18, 2466-2476.	6.0	51
6	Microchip Screening Platform for Single Cell Assessment of NK Cell Cytotoxicity. <i>Frontiers in Immunology</i> , 2016, 7, 119.	4.8	46
7	A microfluidic device for parallel 3D cell cultures in asymmetric environments. <i>Electrophoresis</i> , 2007, 28, 4705-4712.	2.4	36
8	A concept for miniaturized 3-D cell culture using an extracellular matrix gel. <i>Electrophoresis</i> , 2005, 26, 4751-4758.	2.4	34
9	A micromachined interface for airborne sample-to-liquid transfer and its application in a biosensor system. <i>Lab on A Chip</i> , 2006, 6, 1504-1509.	6.0	31
10	A silicon-glass microwell platform for high-resolution imaging and high-content screening with single cell resolution. <i>Biomedical Microdevices</i> , 2011, 13, 683-693.	2.8	31
11	Novel Microchip-Based Tools Facilitating Live Cell Imaging and Assessment of Functional Heterogeneity within NK Cell Populations. <i>Frontiers in Immunology</i> , 2012, 3, 300.	4.8	30
12	Ultrasound-Induced Cell-Cell Interaction Studies in a Multi-Well Microplate. <i>Micromachines</i> , 2014, 5, 27-49.	2.9	28
13	Influence of acoustic streaming on ultrasonic particle manipulation in a 100-well ring-transducer microplate. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 035008.	2.6	24
14	Off-line integration of CE and MALDI-MS using a closed-open-closed microchannel system. <i>Electrophoresis</i> , 2007, 28, 2458-2465.	2.4	19
15	An integrated QCM-based narcotics sensing microsystem. <i>Lab on A Chip</i> , 2008, 8, 1648.	6.0	17
16	Microfluidic devices for studies of primary cilium mediated cellular response to dynamic flow conditions. <i>Biomedical Microdevices</i> , 2008, 10, 555-560.	2.8	13
17	Development of a novel microfluidic device for long-term in situ monitoring of live cells in 3-dimensional matrices. <i>Biomedical Microdevices</i> , 2012, 14, 885-893.	2.8	9
18	A collagen-based microwell migration assay to study NK-target cell interactions. <i>Scientific Reports</i> , 2019, 9, 10672.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Single-Cell Characterization of in vitro Migration and Interaction Dynamics of T Cells Expanded with IL-2 and IL-7. <i>Frontiers in Immunology</i> , 2015, 6, 196.	4.8	8
20	Metal-Assisted Chemical Etching and Electroless Deposition for Fabrication of Hard X-ray Pd/Si Zone Plates. <i>Micromachines</i> , 2020, 11, 301.	2.9	7
21	NK cells integrate signals over large areas when building immune synapses but require local stimuli for degranulation. <i>Science Signaling</i> , 2021, 14, .	3.6	7
22	Understanding dose correction for high-resolution 50ÅkV electron-beam lithography on thick resist layers. <i>Micro and Nano Engineering</i> , 2022, 16, 100141.	2.9	6
23	Contact poling of Rb:KTIPOPO_4 using a micro-structured silicon electrode. <i>Optics Express</i> , 2015, 23, 636.	3.4	4
24	Miniaturized Sulfite-Based Gold Bath for Controlled Electroplating of Zone Plate Nanostructures. <i>Micromachines</i> , 2022, 13, 452.	2.9	4
25	Electrohydrodynamic enhanced transport and trapping of airborne particles to a microfluidic air-liquid interface. <i>Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS)</i> , 2008, , .	0.0	3
26	Fast narcotics and explosives detection using a microfluidic sample interface. , 0, , .		2
27	A miniaturised integrated QCM-based electronic nose microsystem. , 2007, , .		2
28	Microwell-Based Live Cell Imaging of NK Cell Dynamics to Assess Heterogeneity in Motility and Cytotoxic Response. <i>Methods in Molecular Biology</i> , 2016, 1441, 87-106.	0.9	2
29	A micromachined interface for transfer of liquid or vapour sample to a liquid solution. , 0, , .		1
30	MEMS for medical technology applications. , 2007, , .		1
31	Contact poling of RKTP with silicon pillars. , 2013, , .		0