Hideaki Tsutsui

List of Publications by Year
in descending order

30	960	643344 15	591227 27
papers	citations	h-index	g-index

30	30	30	1728
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An origami electrical biosensor for multiplexed analyte detection in body fluids. Biosensors and Bioelectronics, 2021, 171, 112721.	5.3	33
2	Emerging Technologies for Monitoring Plant Health in Vivo. ACS Omega, 2021, 6, 5101-5107.	1.6	42
3	Recent developments in flow modeling and fluid control for paper-based microfluidic biosensors. Biosensors and Bioelectronics, 2021, 178, 113026.	5.3	31
4	Laser-etched grooves for rapid fluid delivery for a paper-based chemiresistive biosensor. Biosensors and Bioelectronics, 2021, 180, 113090.	5.3	12
5	Massively-Parallelized, Deterministic Mechanoporation for Intracellular Delivery. Nano Letters, 2020, 20, 860-867.	4.5	41
6	Distance and Microsphere Aggregation-Based DNA Detection in a Paper-Based Microfluidic Device. SLAS Technology, 2020, 25, 58-66.	1.0	6
7	Modifying Wicking Speeds in Paper-Based Microfluidic Devices by Laser-Etching. Micromachines, 2020, 11, 773.	1.4	16
8	Flexible Analytical Devices for Point-of-Care Testing. SLAS Technology, 2020, 25, 6-8.	1.0	4
9	Hydrodynamic characterization within a spinner flask and a rotary wall vessel for stem cell culture. Biochemical Engineering Journal, 2020, 157, 107533.	1.8	17
10	A paper-based chemiresistive biosensor employing single-walled carbon nanotubes for low-cost, point-of-care detection. Biosensors and Bioelectronics, 2019, 130, 367-373.	5.3	54
11	Meso-Scale Particle Image Velocimetry Studies of Neurovascular Flows In Vitro. Journal of Visualized Experiments, 2018, , .	0.2	0
12	Polydiacetylene Supramolecules: Synthesis, Characterization, and Emerging Applications. Industrial & Engineering Chemistry Research, 2018, 57, 9037-9053.	1.8	74
13	Polydiacetylene-Coated Sensor Strip for Immunochromatic Detection of Xylella fastidiosa subsp. fastidiosa. SLAS Technology, 2017, 22, 406-412.	1.0	10
14	Characterizing effects of humidity and channel size on imbibition in paper-based microfluidic channels. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	39
15	Impact of fluidic agitation on human pluripotent stem cells in stirred suspension culture. Biotechnology and Bioengineering, 2017, 114, 2109-2120.	1.7	16
16	Distance-based quantitative DNA detection in a paper-based microfluidic device. , 2017, , .		4
17	Using Adhesive Patterning to Construct 3D Paper Microfluidic Devices. Journal of Visualized Experiments, 2016, , e53805.	0.2	2
18	Polydiacetylene-coated polyvinylidene fluoride strip aptasensor for colorimetric detection of zinc(II). Sensors and Actuators B: Chemical, 2016, 232, 313-317.	4.0	49

#	Article	IF	Citations
19	In Planta Microsphere-Based Lateral Flow Leaf Biosensor in Maize. Journal of the Association for Laboratory Automation, 2015, 20, 500-505.	2.8	6
20	Patterned adhesive enables construction of nonplanar three-dimensional paper microfluidic circuits. Lab on A Chip, 2014, 14, 4354-4361.	3.1	26
21	Engineered Micromechanical Cues Affecting Human Pluripotent Stem Cell Regulations and Fate. Journal of the Association for Laboratory Automation, 2013, 18, 482-493.	2.8	13
22	Advancements in Biomedical Micro/Nano Tools and Technology. Journal of the Association for Laboratory Automation, 2013, 18, 425-426.	2.8	2
23	Optimization of chemical and physical factors toward clinically enabling culture of pluripotent stem cells. , 2012, , .		0
24	An optimized small molecule inhibitor cocktail supports long-term maintenance of human embryonic stem cells. Nature Communications, 2011, 2, 167.	5.8	152
25	Developing defined culture systems for human pluripotent stem cells. Regenerative Medicine, 2011, 6, 623-634.	0.8	36
26	Efficient Dielectrophoretic Patterning of Embryonic Stem Cells in Energy Landscapes Defined by Hydrogel Geometries. Annals of Biomedical Engineering, 2010, 38, 3777-3788.	1.3	48
27	Continuous sorting of heterogeneous-sized embryoid bodies. Lab on A Chip, 2010, 10, 1678.	3.1	25
28	Cell separation by non-inertial force fields in microfluidic systems. Mechanics Research Communications, 2009, 36, 92-103.	1.0	170
29	A compact microfluidic continuous flow separator for particle and cell sorting. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	2
30	Short-wavelength instability and decay of a vortex pair in a stratified fluid. Journal of Fluid Mechanics, 2006, 553, 283.	1.4	30