Naoki Sasaki

List of Publications by Year
in descending order

32 papers	574 citations	840776 11 h-index	610901 24 g-index
32 all docs	32 docs citations	32 times ranked	821 citing authors

#	Article	IF	Citations
1	Photolithography-free Vessel-on-a-chip to Simulate Tumor Cell Extravasation. Sensors and Materials, 2021, 33, 241.	0.5	5
2	Fabrication of a T-Shaped Microfluidic Channel Using a Consumer Laser Cutter and Application to Monodisperse Microdroplet Formation. Micromachines, 2021, 12, 160.	2.9	3
3	Bead-based Padlock Rolling Circle Amplification under Molecular Crowding Conditions: The Effects of Crowder Charge and Size. Analytical Sciences, 2021, 37, 727-732.	1.6	2
4	Mechanistic investigation of bead-based padlock rolling circle amplification under molecular crowding conditions. Analytical Biochemistry, 2020, 593, 113596.	2.4	11
5	Pancreatic stellate cells derived from human pancreatic cancer demonstrate aberrant SPARC-dependent ECM remodeling in 3D engineered fibrotic tissue of clinically relevant thickness. Biomaterials, 2019, 192, 355-367.	11.4	32
6	Photoactivatable Hydrogel Interfaces for Resolving the Interplay of Chemical, Mechanical, and Geometrical Regulation of Collective Cell Migration. Langmuir, 2019, 35, 7459-7468.	3.5	10
7	Photolithography-Free Skin-on-a-Chip for Parallel Permeation Assays. Sensors and Materials, 2019, 31, 107.	0.5	9
8	Label-Free Rapid Separation and Enrichment of Bone Marrow-Derived Mesenchymal Stem Cells from a Heterogeneous Cell Mixture Using a Dielectrophoresis Device. Sensors, 2018, 18, 3007.	3.8	17
9	Fabrication of Microfluidic Cell Culture Devices Using a Consumer Laser Cutter. Bunseki Kagaku, 2018, 67, 379-386.	0.2	2
10	Molecular crowding improves bead-based padlock rolling circle amplification. Analytical Biochemistry, 2017, 519, 15-18.	2.4	8
11	Patterned Co-culture of Live Cells on a Microchip by Photocrosslinking with Benzophenone. Analytical Sciences, 2016, 32, 113-116.	1.6	4
12	Alternating Current Cloud Point Extraction on a Microfluidic Chip: the Use of Ferrocenyl Surfactants. Analytical Sciences, 2016, 32, 109-111.	1.6	0
13	Analytical Applications of Microfluidic Vascular Models. Bunseki Kagaku, 2016, 65, 241-247.	0.2	0
14	A Membrane-integrated Microfluidic Device to Study Permeation of Nanoparticles through Straight Micropores toward Rational Design of Nanomedicines. Analytical Sciences, 2016, 32, 1307-1314.	1.6	8
15	AC Electrokinetics for Bioanalysis on a Microchip. Bunseki Kagaku, 2015, 64, 1-8.	0.2	0
16	Alternating current cloud point extraction on a microchip: The effect of electrode geometry. Electrophoresis, 2015, 36, 424-427.	2.4	1
17	Microcirculation-on-a-Chip: A Microfluidic Platform for Assaying Blood- and Lymphatic-Vessel Permeability. PLoS ONE, 2015, 10, e0137301.	2.5	102
18	Microfluidics for nano-pathophysiology. Advanced Drug Delivery Reviews, 2014, 74, 115-121.	13.7	25

#	Article	IF	Citations
19	Magnetic resonance imaging of a microvascular-interstitium model on a microfluidic device. Analytical Biochemistry, 2014, 458, 72-74.	2.4	6
20	Bead-based padlock rolling circle amplification for single DNA molecule counting. Analytical Biochemistry, 2013, 437, 43-45.	2.4	23
21	Hydrodynamic Cell Pairing and Cell Fusion through a Microslit on a Microfluidic Device. Japanese Journal of Applied Physics, 2012, 51, 030206.	1.5	1
22	Photochemical Immobilization of Cells onto a Glass Substrate for in situ DNA Analysis. Analytical Sciences, 2012, 28, 537-539.	1.6	5
23	Recent Applications of AC Electrokinetics in Biomolecular Analysis on Microfluidic Devices. Analytical Sciences, 2012, 28, 3.	1.6	13
24	Alternating current cloud point extraction on a microchip: A comprehensive study. Electrophoresis, 2012, 33, 3159-3165.	2.4	4
25	Fluid mixing using AC electrothermal flow on meandering electrodes in a microchannel. Electrophoresis, 2012, 33, 2668-2673.	2.4	51
26	A palmtopâ€sized microfluidic cell culture system driven by a miniaturized infusion pump. Electrophoresis, 2012, 33, 1729-1735.	2.4	38
27	Hydrodynamic Cell Pairing and Cell Fusion through a Microslit on a Microfluidic Device. Japanese Journal of Applied Physics, 2012, 51, 030206.	1.5	5
28	Experimental and Theoretical Characterization of an AC Electroosmotic Micromixer. Analytical Sciences, 2010, 26, 815-819.	1.6	27
29	Artificial chaperone-assisted refolding in a microchannel. Bioprocess and Biosystems Engineering, 2010, 33, 171-177.	3.4	10
30	Alternating current cloud point extraction on a microchip for preconcentration of membrane-associated biomolecules. Lab on A Chip, 2009, 9, 1168.	6.0	12
31	AC electroosmotic micromixer for chemical processing in a microchannel. Lab on A Chip, 2006, 6, 550.	6.0	130
32	Spectroelectrochemical detection using thermal lens microscopy with a glass-substrate microelectrode-microchannel chip. Journal of Electroanalytical Chemistry, 2005, 577, 47-53.	3.8	10