

Naoki Sasaki

List of Publications by Year in descending order

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Version: 2024-02-01

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	AC electroosmotic micromixer for chemical processing in a microchannel. <i>Lab on A Chip</i> , 2006, 6, 550.	6.0	130
2	Microcirculation-on-a-Chip: A Microfluidic Platform for Assaying Blood- and Lymphatic-Vessel Permeability. <i>PLoS ONE</i> , 2015, 10, e0137301.	2.5	102
3	Fluid mixing using AC electrothermal flow on meandering electrodes in a microchannel. <i>Electrophoresis</i> , 2012, 33, 2668-2673.	2.4	51
4	A palm-top-sized microfluidic cell culture system driven by a miniaturized infusion pump. <i>Electrophoresis</i> , 2012, 33, 1729-1735.	2.4	38
5	Pancreatic stellate cells derived from human pancreatic cancer demonstrate aberrant SPARC-dependent ECM remodeling in 3D engineered fibrotic tissue of clinically relevant thickness. <i>Biomaterials</i> , 2019, 192, 355-367.	11.4	32
6	Experimental and Theoretical Characterization of an AC Electroosmotic Micromixer. <i>Analytical Sciences</i> , 2010, 26, 815-819.	1.6	27
7	Microfluidics for nano-pathophysiology. <i>Advanced Drug Delivery Reviews</i> , 2014, 74, 115-121.	13.7	25
8	Bead-based padlock rolling circle amplification for single DNA molecule counting. <i>Analytical Biochemistry</i> , 2013, 437, 43-45.	2.4	23
9	Label-Free Rapid Separation and Enrichment of Bone Marrow-Derived Mesenchymal Stem Cells from a Heterogeneous Cell Mixture Using a Dielectrophoresis Device. <i>Sensors</i> , 2018, 18, 3007.	3.8	17
10	Recent Applications of AC Electrokinetics in Biomolecular Analysis on Microfluidic Devices. <i>Analytical Sciences</i> , 2012, 28, 3.	1.6	13
11	Alternating current cloud point extraction on a microchip for preconcentration of membrane-associated biomolecules. <i>Lab on A Chip</i> , 2009, 9, 1168.	6.0	12
12	Mechanistic investigation of bead-based padlock rolling circle amplification under molecular crowding conditions. <i>Analytical Biochemistry</i> , 2020, 593, 113596.	2.4	11
13	Spectroelectrochemical detection using thermal lens microscopy with a glass-substrate microelectrode-microchannel chip. <i>Journal of Electroanalytical Chemistry</i> , 2005, 577, 47-53.	3.8	10
14	Artificial chaperone-assisted refolding in a microchannel. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 171-177.	3.4	10
15	Photoactivatable Hydrogel Interfaces for Resolving the Interplay of Chemical, Mechanical, and Geometrical Regulation of Collective Cell Migration. <i>Langmuir</i> , 2019, 35, 7459-7468.	3.5	10
16	Photolithography-Free Skin-on-a-Chip for Parallel Permeation Assays. <i>Sensors and Materials</i> , 2019, 31, 107.	0.5	9
17	A Membrane-integrated Microfluidic Device to Study Permeation of Nanoparticles through Straight Micropores toward Rational Design of Nanomedicines. <i>Analytical Sciences</i> , 2016, 32, 1307-1314.	1.6	8
18	Molecular crowding improves bead-based padlock rolling circle amplification. <i>Analytical Biochemistry</i> , 2017, 519, 15-18.	2.4	8

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19	Magnetic resonance imaging of a microvascular-interstitium model on a microfluidic device. <i>Analytical Biochemistry</i> , 2014, 458, 72-74.	2.4	6
20	Photochemical Immobilization of Cells onto a Glass Substrate for <i>in situ</i> DNA Analysis. <i>Analytical Sciences</i> , 2012, 28, 537-539.	1.6	5
21	Photolithography-free Vessel-on-a-chip to Simulate Tumor Cell Extravasation. <i>Sensors and Materials</i> , 2021, 33, 241.	0.5	5
22	Hydrodynamic Cell Pairing and Cell Fusion through a Microslit on a Microfluidic Device. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 030206.	1.5	5
23	Alternating current cloud point extraction on a microchip: A comprehensive study. <i>Electrophoresis</i> , 2012, 33, 3159-3165.	2.4	4
24	Patterned Co-culture of Live Cells on a Microchip by Photocrosslinking with Benzophenone. <i>Analytical Sciences</i> , 2016, 32, 113-116.	1.6	4
25	Fabrication of a T-Shaped Microfluidic Channel Using a Consumer Laser Cutter and Application to Monodisperse Microdroplet Formation. <i>Micromachines</i> , 2021, 12, 160.	2.9	3
26	Fabrication of Microfluidic Cell Culture Devices Using a Consumer Laser Cutter. <i>Bunseki Kagaku</i> , 2018, 67, 379-386.	0.2	2
27	Bead-based Padlock Rolling Circle Amplification under Molecular Crowding Conditions: The Effects of Crowder Charge and Size. <i>Analytical Sciences</i> , 2021, 37, 727-732.	1.6	2
28	Hydrodynamic Cell Pairing and Cell Fusion through a Microslit on a Microfluidic Device. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 030206.	1.5	1
29	Alternating current cloud point extraction on a microchip: The effect of electrode geometry. <i>Electrophoresis</i> , 2015, 36, 424-427.	2.4	1
30	AC Electrokinetics for Bioanalysis on a Microchip. <i>Bunseki Kagaku</i> , 2015, 64, 1-8.	0.2	0
31	Alternating Current Cloud Point Extraction on a Microfluidic Chip: the Use of Ferrocenyl Surfactants. <i>Analytical Sciences</i> , 2016, 32, 109-111.	1.6	0
32	Analytical Applications of Microfluidic Vascular Models. <i>Bunseki Kagaku</i> , 2016, 65, 241-247.	0.2	0