Manabu Tokeshi

List of Publications by Year
in descending order

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266 papers	10,760 citations	26630 56 h-index	40979 93 g-index
273 all docs	273 docs citations	273 times ranked	7678 citing authors

#	Article	IF	Citations
1	Determination of blood lithium-ion concentration using digital microfluidic whole-blood separation and preloaded paper sensors. Biosensors and Bioelectronics, 2022, 195, 113631.	10.1	17
2	Electrochemical enzyme-based blood ATP and lactate sensor for a rapid and straightforward evaluation of illness severity. Biosensors and Bioelectronics, 2022, 198, 113832.	10.1	16
3	PEGylation of silver nanoparticles by physisorption of cyclic poly(ethylene glycol) for enhanced dispersion stability, antimicrobial activity, and cytotoxicity. Nanoscale Advances, 2022, 4, 532-545.	4.6	9
4	Enzyme kinetics in confined geometries at the single enzyme level. Analyst, The, 2022, 147, 1375-1384.	3.5	3
5	Production of siRNA-Loaded Lipid Nanoparticles using a Microfluidic Device. Journal of Visualized Experiments, 2022, , .	0.3	7
6	Dimethoxytriadinylation LCâ€“MS/MS of Novichok A-Series Degradation Products in Human Urine. Analytical Chemistry, 2022, 94, 4658-4665.	6.5	8
7	Microfluidic technologies and devices for lipid nanoparticle-based RNA delivery. Journal of Controlled Release, 2022, 344, 80-96.	9.9	92
8	Microfluidic Device-Enabled Mass Production of Lipid-Based Nanoparticles for Applications in Nanomedicine and Cosmetics. ACS Applied Nano Materials, 2022, 5, 7867-7876.	5.0	10
9	On the size-regulation of RNA-loaded lipid nanoparticles synthesized by microfluidic device. Journal of Controlled Release, 2022, 348, 648-659.	9.9	18
10	One-step non-competitive fluorescence polarization immunoassay based on a Fab fragment for C-reactive protein quantification. Sensors and Actuators B: Chemical, 2021, 326, 128982.	7.8	18
11	Rapid, sensitive universal paper-based device enhances competitive immunoassays of small molecules. Analytica Chimica Acta, 2021, 1144, 85-95.	5.4	19
12	Lipid nanoparticles loaded with ribonucleoproteinâ€“oligonucleotide complexes synthesized using a microfluidic device exhibit robust genome editing and hepatitis B virus inhibition. Journal of Controlled Release, 2021, 330, 61-71.	9.9	54
13	Three-dimensional, symmetrically assembled microfluidic device for lipid nanoparticle production. RSC Advances, 2021, 11, 1430-1439.	3.6	18
14	Non-competitive fluorescence polarization immunoassay for detection of H5 avian influenza virus using a portable analyzer. Analytical and Bioanalytical Chemistry, 2021, 413, 4619-4623.	3.7	8
15	Dip-Type Paper-Based Analytical Device for Straightforward Quantitative Detection without Precise Sample Introduction. ACS Sensors, 2021, 6, 1094-1102.	7.8	13
16	Simple Approach for Fluorescence Signal Amplification Utilizing a Poly(vinyl alcohol)-Based Polymer Structure in a Microchannel. ACS Omega, 2021, 6, 8340-8345.	3.5	2
17	Delivery of Oligonucleotides Using a Self-Degradable Lipid-Like Material. Pharmaceutics, 2021, 13, 544.	4.5	20
18	Paper-Based Analytical Device for the On-Site Detection of Nerve Agents. ACS Applied Bio Materials, 2021, 4, 6512-6518.	4.6	12

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19	Using a Paper-Based Analytical Device Designed for Remote Learning Environments to Achieve Simple Quantitative Colorimetry without Micropipettes. Journal of Chemical Education, 2021, 98, 3050-3054.	2.3	6
20	Facile and rapid detection of SARS-CoV-2 antibody based on a noncompetitive fluorescence polarization immunoassay in human serum samples. Biosensors and Bioelectronics, 2021, 190, 113414.	10.1	12
21	One-Step Production Using a Microfluidic Device of Highly Biocompatible Size-Controlled Noncationic Exosome-like Nanoparticles for RNA Delivery. ACS Applied Bio Materials, 2021, 4, 1783-1793.	4.6	12
22	Microchip Immunoassays for Monitoring Renal Function: Rapid, Low-Cost, and Highly Sensitive Quantification of Urinary Biomarkers of Diabetic Nephropathy. Micromachines, 2021, 12, 1353.	2.9	0
23	Topology-Dependent Interaction of Cyclic Poly(ethylene glycol) Complexed with Gold Nanoparticles against Bovine Serum Albumin for a Colorimetric Change. Langmuir, 2021, , .	3.5	2
24	Hydrophobic scaffolds of pH-sensitive cationic lipids contribute to miscibility with phospholipids and improve the efficiency of delivering short interfering RNA by small-sized lipid nanoparticles. Acta Biomaterialia, 2020, 102, 341-350.	8.3	35
25	The use of design of experiments with multiple responses to determine optimal formulations for in vivo hepatic mRNA delivery. Journal of Controlled Release, 2020, 327, 467-476.	9.9	35
26	Noncompetitive Fluorescence Polarization Immunoassay for Protein Determination. Analytical Chemistry, 2020, 92, 14393-14397.	6.5	11
27	Development of a Microfluidic-Based Post-Treatment Process for Size-Controlled Lipid Nanoparticles and Application to siRNA Delivery. ACS Applied Materials & Interfaces, 2020, 12, 34011-34020.	8.0	44
28	Enhanced dispersion stability of gold nanoparticles by the physisorption of cyclic poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	12.8	105
29	Real-Time Measurement of Protein Crystal Growth Rates within the Microfluidic Device to Understand the Microspace Effect. ACS Omega, 2020, 5, 17199-17206.	3.5	8
30	Silica Nanopillar Arrays for Monitoring Diffraction-Based Label-Free Biomolecule Separation. ACS Applied Nano Materials, 2020, 3, 8810-8816.	5.0	6
31	Room-temperature crystallography using a microfluidic protein crystal array device and its application to proteinâ€“ligand complex structure analysis. Chemical Science, 2020, 11, 9072-9087.	7.4	18
32	Observation of Ethanol-Induced Condensation and Decondensation Processes at a Single-DNA Molecular Level in Microfluidic Devices Equipped with a Rapid Solution Exchange System. Analytical Chemistry, 2020, 92, 9132-9137.	6.5	3
33	The Effect of Size and Charge of Lipid Nanoparticles Prepared by Microfluidic Mixing on Their Lymph Node Transitivity and Distribution. Molecular Pharmaceutics, 2020, 17, 944-953.	4.6	98
34	Rapid detection of anti-H5 avian influenza virus antibody by fluorescence polarization immunoassay using a portable fluorescence polarization analyzer. Sensors and Actuators B: Chemical, 2020, 316, 128160.	7.8	25
35	Paper-Based Device for the Facile Colorimetric Determination of Lithium Ions in Human Whole Blood. ACS Sensors, 2020, 5, 1287-1294.	7.8	36
36	Development of an immuno-wall device for the rapid and sensitive detection of EGFR mutations in tumor tissues resected from lung cancer patients. PLoS ONE, 2020, 15, e0241422.	2.5	3

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37	Development of Microfluidic Devices for Precise Size Control of Lipid Nanoparticles. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2020, 27, 154-156.	0.0	0
38	Development of a Paper-based Analytical Chip for the Detection of Bacterial 16S rRNA in Wastewater Samples. Bunseki Kagaku, 2020, 69, 715-722.	0.2	0
39	An Electrochemical Sensor Based on Structure Switching of Dithiol-modified Aptamer for Simple Detection of Ochratoxin A. Analytical Sciences, 2019, 35, 1221-1226.	1.6	15
40	Rapid, Sensitive, and Selective Detection of H5 Hemagglutinin from Avian Influenza Virus Using an Immunowall Device. ACS Omega, 2019, 4, 16683-16688.	3.5	19
41	Development of a microdevice for facile analysis of theophylline in whole blood by a cloned enzyme donor immunoassay. Lab on A Chip, 2019, 19, 233-240.	6.0	14
42	Sensitive fluorescent polarization immunoassay by optimizing synchronization mismatch condition. Sensors and Actuators B: Chemical, 2019, 285, 418-422.	7.8	10
43	Ultrasensitive detection of disease biomarkers using an immuno-wall device with enzymatic amplification. Analyst, The, 2019, 144, 4589-4595.	3.5	12
44	High-throughput fluorescence polarization immunoassay by using a portable fluorescence polarization imaging analyzer. Lab on A Chip, 2019, 19, 2581-2588.	6.0	20
45	A paper-based analytical device coupled with electrochemical detection for the determination of dexamethasone and prednisoloneÂin adulterated traditional medicines. Analytica Chimica Acta, 2019, 1078, 16-23.	5.4	40
46	A Concentric Ring Electrode for a Wallâ€jet Cell in a Microfluidic Device. Electroanalysis, 2019, 31, 1736-1743.	2.9	3
47	Microfluidic Technologies and Platforms for Protein Crystallography. Bioanalysis, 2019, , 27-51.	0.1	0
48	The Use of a Microfluidic Device to Encapsulate a Poorly Water-Soluble Drug CoQ10 in Lipid Nanoparticles and an Attempt to Regulate Intracellular Trafficking to Reach Mitochondria. Journal of Pharmaceutical Sciences, 2019, 108, 2668-2676.	3.3	35
49	Understanding structure-activity relationships of pH-sensitive cationic lipids facilitates the rational identification of promising lipid nanoparticles for delivering siRNAs in vivo. Journal of Controlled Release, 2019, 295, 140-152.	9.9	104
50	Microfabrication and microfluidic devices for drug delivery. , 2019, , 123-136.		5
51	A compact fluorescence polarization analyzer with high-transmittance liquid crystal layer. Review of Scientific Instruments, 2018, 89, 024103.	1.3	15
52	Characteristics of Microfluidic Paper-based Analytical Devices Fabricated by Four Different Methods. Analytical Sciences, 2018, 34, 39-44.	1.6	19
53	Advances in microfluidics for lipid nanoparticles and extracellular vesicles and applications in drug delivery systems. Advanced Drug Delivery Reviews, 2018, 128, 84-100.	13.7	215
54	Dynamic wettability of polyethylene glycol-modified poly(dimethylsiloxane) surfaces in an aqueous/organic two-phase system. Lab on A Chip, 2018, 18, 356-361.	6.0	12

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55	Label-Free Electrochemical Sensor for Ochratoxin A Using a Microfabricated Electrode with Immobilized Aptamer. ACS Omega, 2018, 3, 16823-16830.	3.5	29
56	Recent Microdevice-Based Aptamer Sensors. Micromachines, 2018, 9, 202.	2.9	29
57	Development of the iLiNP Device: Fine Tuning the Lipid Nanoparticle Size within 10 nm for Drug Delivery. ACS Omega, 2018, 3, 5044-5051.	3.5	124
58	Microfluidic Devices for Drug Delivery Systems. Advanced Drug Delivery Reviews, 2018, 128, 1-2.	13.7	8
59	A millisecond micro-RNA separation technique by a hybrid structure of nanopillars and nanoslits. Scientific Reports, 2017, 7, 43877.	3.3	13
60	Optimization of the nanofluidic design for label-free detection of biomolecules using a nanowall array. Sensors and Actuators B: Chemical, 2017, 250, 39-43.	7.8	10
61	Fabrication and Evaluation of Microfluidic Immunoassay Devices with Antibody-Immobilized Microbeads Retained in Porous Hydrogel Micropillars. Methods in Molecular Biology, 2017, 1547, 49-56.	0.9	1
62	Microfluidic Immunoassay Devices as Next-Generation Cancer and Medical Diagnostics Platform. , 2017, , 305-322.		1
63	Using Laser Interference Lithography in the Fabrication of a Simplified Micro- and Nanofluidic Device for Label-free Detection. Analytical Sciences, 2017, 33, 1197-1199.	1.6	2
64	Understanding the formation mechanism of lipid nanoparticles in microfluidic devices with chaotic micromixers. PLoS ONE, 2017, 12, e0187962.	2.5	96
65	Microfluidic Autologous Serum Eye-Drops Preparation as a Potential Dry Eye Treatment. Micromachines, 2016, 7, 113.	2.9	1
66	Advances in Microfluidic Paper-Based Analytical Devices for Food and Water Analysis. Micromachines, 2016, 7, 86.	2.9	160
67	Micro/Nano Devices for Chemical Analysis. Micromachines, 2016, 7, 164.	2.9	7
68	Image analysis for a microfluidic paper-based analytical device using the CIE L*a*b* color system. Analyst, The, 2016, 141, 6507-6509.	3.5	54
69	An immuno-wall microdevice exhibits rapid and sensitive detection of IDH1-R132H mutation specific to grade II and III gliomas. Science and Technology of Advanced Materials, 2016, 17, 618-625.	6.1	12
70	A microfluidic-based protein crystallization method in 10 micrometer-sized crystallization space. CrystEngComm, 2016, 18, 7722-7727.	2.6	19
71	Novel concept of washing for microfluidic paper-based analytical devices based on capillary force of paper substrates. Analytical and Bioanalytical Chemistry, 2016, 408, 7559-7563.	3.7	9
72	Microfluidic Approaches for Protein Crystal Structure Analysis. Analytical Sciences, 2016, 32, 3-9.	1.6	38

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73	An Easy-to-Use Polystyrene Microchip-based Cell Culture System. Analytical Sciences, 2016, 32, 349-353.	1.6	8
74	3,3â€²,5,5â€²-Tetramethylbenzidine Oxidation on Paper Devices for Horseradish Peroxidase-based Assays. Analytical Sciences, 2016, 32, 815-818.	1.6	18
75	A competitive immunoassay system for microfluidic paper-based analytical detection of small size molecules. Analyst, The, 2016, 141, 6598-6603.	3.5	23
76	Label-free detection of real-time DNA amplification using a nanofluidic diffraction grating. Scientific Reports, 2016, 6, 31642.	3.3	19
77	Rapid Detection of Cat Cystatin C (cCys-C) Using Immuno-Pillar Chips. Analytical Sciences, 2016, 32, 1359-1362.	1.6	3
78	Simple and sensitive colorimetric assay system for horseradish peroxidase using microfluidic paper-based devices. Sensors and Actuators B: Chemical, 2016, 236, 433-441.	7.8	53
79	Elucidation of the physicochemical properties and potency of siRNA-loaded small-sized lipid nanoparticles for siRNA delivery. Journal of Controlled Release, 2016, 229, 48-57.	9.9	81
80	Formation of Lipid Nanoparticles and Elucidation of Formation Mechanism. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2016, 24, 74-78.	0.0	0
81	A Portable Liquid Chromatograph with a Battery-operated Compact Electroosmotic Pump and a Microfluidic Chip Device with a Reversed Phase Packed Column. Analytical Sciences, 2015, 31, 1163-1169.	1.6	38
82	Development of a Micro RNA Extraction Chip from Human Tumor Cells. Bunseki Kagaku, 2015, 64, 9-13.	0.2	1
83	Micropillars Fabricated on Poly(methyl methacrylate) Substrates for Separation of Microscale Objects. Analytical Sciences, 2015, 31, 1197-1200.	1.6	1
84	Development of High-performance Immuno-pillar Devices: Improvement of Antibody-immobilized Solid Support. Bunseki Kagaku, 2015, 64, 329-335.	0.2	2
85	A strategy for synthesis of lipid nanoparticles using microfluidic devices with a mixer structure. RSC Advances, 2015, 5, 46181-46185.	3.6	74
86	Rapid, highly sensitive, and simultaneous detection of staphylococcal enterotoxins in milk by using immuno-pillar devices. Analytical Methods, 2015, 7, 5092-5095.	2.7	13
87	Hydrodynamic nonadhesive cell retention in a microfluidic circuit for stressless suspension culture. Analytical Methods, 2015, 7, 7264-7269.	2.7	2
88	A microfluidic cell culture system for monitoring of sequential changes in endothelial cells after heat stress. Thrombosis Research, 2015, 136, 328-334.	1.7	9
89	Carbon Nanotubes and Modern Nanoagriculture. , 2015, , 183-201.		14
90	An instrument-free, screen-printed paper microfluidic device that enables bio and chemical sensing. Analyst, The, 2015, 140, 6493-6499.	3.5	76

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91	A Method of Cryoprotection for Protein Crystallography by Using a Microfluidic Chip and Its Application for in Situ X-ray Diffraction Measurements. Analytical Chemistry, 2015, 87, 4194-4200.	6.5	20
92	Arrangement of a Nanostructure Array To Control Equilibrium and Nonequilibrium Transports of Macromolecules. Nano Letters, 2015, 15, 3445-3451.	9.1	18
93	Fluorescence Polarization Measurement System Using a Liquid Crystal Layer and an Image Sensor. Analytical Chemistry, 2015, 87, 9647-9652.	6.5	14
94	Generation of ynolates via reductive lithiation using flow microreactors. Tetrahedron Letters, 2014, 55, 1822-1825.	1.4	20
95	On-Chip Analysis of Intermittent Molecular Encounters in Nuclease Digestion of Specific DNA Sequence. Biophysical Journal, 2014, 106, 699a-700a.	0.5	2
96	Microfluidic biosensor for the detection of DNA by fluorescence enhancement and the following streptavidin detection by fluorescence quenching. Biosensors and Bioelectronics, 2014, 51, 280-285.	10.1	28
97	Synthesis and Reactions of Ynolates via a Stop-Flow Method with a Flow Microreactor. Journal of Flow Chemistry, 2014, 4, 180-184.	1.9	4
98	Nanopillar array chip integrated with on-line stacking for fast DNA separation with high sensitivity and high resolution. Microfluidics and Nanofluidics, 2013, 14, 961-967.	2.2	12
99	Highly efficient electrochemical valence control of uranium using microfluidic chip equipped with microelectrodes. Microfluidics and Nanofluidics, 2013, 14, 989-994.	2.2	4
100	Enzyme-catalysed reaction for long-term fluorescent observation of single DNA molecules. RSC Advances, 2013, 3, 3237.	3.6	1
101	Establishment of portable immunoassay system for early diagnosis. , 2013, , .		0
102	Temperature-driven self-actuated microchamber sealing system for highly integrated microfluidic devices. Lab on A Chip, 2013, 13, 452-458.	6.0	7
103	Application of IgY to sandwich enzyme-linked immunosorbent assays, lateral flow devices, and immunopillar chips for detecting staphylococcal enterotoxins in milk and dairy products. Journal of Microbiological Methods, 2013, 92, 323-331.	1.6	43
104	DNA Manipulation and Separation in Sublithographic-Scale Nanowire Array. ACS Nano, 2013, 7, 3029-3035.	14.6	61
105	Parallel Real-Time PCR on a Chip for Genetic Tug-of-War (gTOW) Method. Analytical Sciences, 2013, 29, 367-371.	1.6	2
106	Aqueous Phase Synthesized CdSe Magic-Sized Clusters: Solution Composition Dependence of Adsorption Layer Structure. Journal of Nanoscience and Nanotechnology, 2012, 12, 539-546.	0.9	2
107	Confocal Microscopic Evaluation of Mixing Performance for Three-Dimensional Microfluidic Mixer. Analytical Sciences, 2012, 28, 57.	1.6	10
108	A deep microfluidic absorbance detection cell replicated from a thickly stacked SU-8 dry film resist mold. Analytical Methods, 2012, 4, 4368.	2.7	9

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109	The plant cell uses carbon nanotubes to build tracheary elements. Integrative Biology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.3	17
110	Inkjet Injection of DNA Droplets for Microchannel Array Electrophoresis. Analytical Chemistry, 2012, 84, 9282-9286.	6.5	22
111	Introducing carbon nanotubes into living walled plant cells through cellulase-induced nanoholes. RSC Advances, 2012, 2, 398-400.	3.6	40
112	Size-Selective Synthesis of Ultrasmall Hydrophilic CdSe Nanoparticles in Aqueous Solution at Room Temperature. , 2012, 906, 125-141.		1
113	Monitoring transplanted adipose tissue-derived stem cells combined with heparin in the liver by fluorescence imaging using quantum dots. Biomaterials, 2012, 33, 2177-2186.	11.4	140
114	Fabrication of Functionalized Double-Lamellar Multifunctional Envelope-Type Nanodevices Using a Microfluidic Chip with a Chaotic Mixer Array. PLoS ONE, 2012, 7, e39057.	2.5	8
115	Online transient isotachophoresis concentration by the pseudo-terminating electrolyte buffer for the separation of DNAâ€“aptamer and its thrombin complex in poly(methyl methacrylate) microchip. Analyst, The, 2011, 136, 1142.	3.5	17
116	Thermal lens detection device. Lab on A Chip, 2011, 11, 2990.	6.0	22
117	Microfluidic baker's transformation device for three-dimensional rapid mixing. Lab on A Chip, 2011, 11, 3356.	6.0	48
118	Estimation of the Distribution of Intravenously Injected Adipose Tissue-Derived Stem Cells Labeled with Quantum Dots in Mice Organs through the Determination of their Metallic Components by ICPMS. Analytical Chemistry, 2011, 83, 8252-8258.	6.5	25
119	Trafficking and Subcellular Localization of Multiwalled Carbon Nanotubes in Plant Cells. ACS Nano, 2011, 5, 493-499.	14.6	223
120	Extraction of Am(III) at the Interface of Organic-Aqueous Two-Layer Flow in a Microchannel. Journal of Nuclear Science and Technology, 2011, 48, 1313-1318.	1.3	27
121	Electroosmotic Flow in Microchannels with Nanostructures. ACS Nano, 2011, 5, 7775-7780.	14.6	46
122	DNA Separation in Nanowall Array Chips. Analytical Chemistry, 2011, 83, 6635-6640.	6.5	64
123	Functional Platform for Controlled Subcellular Distribution of Carbon Nanotubes. ACS Nano, 2011, 5, 9264-9270.	14.6	63
124	Tracking Degradations of Single DNA and Protein Molecules in Fluid. Biophysical Journal, 2011, 100, 151a-152a.	0.5	0
125	Label-Free Detection of DNA-Binding Proteins Based on Microfluidic Solid-State Molecular Beacon Sensor. Analytical Chemistry, 2011, 83, 3528-3532.	6.5	32
126	A touch-and-go lipid wrapping technique in microfluidic channels for rapid fabrication of multifunctional envelope-type gene delivery nanodevices. Lab on A Chip, 2011, 11, 3256.	6.0	19

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127	Aqueous phase-synthesized small CdSe quantum dots: adsorption layer structure and strong band-edge and surface trap emission. Journal of Nanoparticle Research, 2011, 13, 5781-5798.	1.9	17
128	A clinical trial for therapeutic drug monitoring using microchip-based fluorescence polarization immunoassay. Analytical and Bioanalytical Chemistry, 2011, 401, 2301-2305.	3.7	20
129	Rapid qualitative evaluation of DNA transcription factor NFâ€ÎºB by microchip electrophoretic mobility shift assay in mammalian cells. Electrophoresis, 2011, 32, 3241-3247.	2.4	6
130	Characterization of low viscosity polymer solutions for microchip electrophoresis of non-denatured proteins on plastic chips. Biomicrofluidics, 2011, 5, 044114.	2.4	17
131	A Probe Containing Two Base-discriminating Fluorescent (BDF) Nucleosides for SNP Typing. Chemistry Letters, 2010, 39, 116-117.	1.3	6
132	Aqueous Phase Synthesized CdSe Nanoparticles with Well-Defined Numbers of Constituent Atoms. Journal of Physical Chemistry C, 2010, 114, 18834-18840.	3.1	77
133	Size-Selective Growth and Stabilization of Small CdSe Nanoparticles in Aqueous Solution. ACS Nano, 2010, 4, 121-128.	14.6	100
134	Quantum dots labeling using octa-arginine peptides for imaging of adipose tissue-derived stem cells. Biomaterials, 2010, 31, 4094-4103.	11.4	124
135	DNA separation by cholesterol-bearing pullulan nanogels. Biomicrofluidics, 2010, 4, 032210.	2.4	6
136	Immuno-pillar chip: a new platform for rapid and easy-to-use immunoassay. Lab on A Chip, 2010, 10, 3335.	6.0	88
137	Nanopillar, nanoball, and nanofibers for highly efficient analysis of biomolecules. Chemical Society Reviews, 2010, 39, 948.	38.1	57
138	Exceeding 20â€‰000â€fold concentration of protein by the onâ€line isotachophoresis concentration in poly(methyl methacrylate) microchip. Electrophoresis, 2009, 30, 3250-3256.	2.4	41
139	Phase separation of gasâ€“liquid and liquidâ€“liquid microflows in microchips. Mikrochimica Acta, 2009, 164, 249-255.	5.0	36
140	Cell separation by the combination of microfluidics and optical trapping force on a microchip. Analytical and Bioanalytical Chemistry, 2009, 394, 277-283.	3.7	39
141	Microchip-based homogeneous immunoassay using fluorescence polarization spectroscopy. Lab on A Chip, 2009, 9, 966-971.	6.0	48
142	Velocity Gap Theory Developed for Magnifying Resolutions without Changing Separation Mechanisms or Separation Lengths. Analytical Chemistry, 2009, 81, 2745-2750.	6.5	8
143	Simultaneous Separation, Metering, and Dilution of Plasma from Human Whole Blood in a Microfluidic System. Analytical Chemistry, 2009, 81, 3194-3198.	6.5	80
144	A micro-ELISA system for the rapid and sensitive measurement of total and specific immunoglobulin E and clinical application to allergy diagnosis. Lab on A Chip, 2009, 9, 991.	6.0	81

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145	Microchip-based Homogeneous Immunoassay Using a Cloned Enzyme Donor. Analytical Sciences, 2009, 25, 149-151.	1.6	11
146	Luminescence of Cup-Stacked Carbon Nanotubes and Its Application to Microchip Electrophoresis. Bunseki Kagaku, 2009, 58, 517-521.	0.2	0
147	On-chip fabrication of mutifunctional envelope-type nanodevices for gene delivery. Analytical and Bioanalytical Chemistry, 2008, 391, 2729-2733.	3.7	15
148	Nanotechnologies in the biosciences. Analytical and Bioanalytical Chemistry, 2008, 391, 2693-2694.	3.7	0
149	A viscosity-tunable polymer for DNA separation by microchip electrophoresis. Analytical and Bioanalytical Chemistry, 2008, 391, 2543-2549.	3.7	12
150	Quantitative determination of amino acids in functional foods by microchip electrophoresis. Journal of Separation Science, 2008, 31, 898-903.	2.5	20
151	Numerical analysis of thermal lens effect for sensitive detection on microchips. Electrophoresis, 2008, 29, 1895-1901.	2.4	10
152	Microchip analysis of plant glucosinolates. Electrophoresis, 2008, 29, 2280-2287.	2.4	18
153	Accurate quantitation of salivary and pancreatic amylase activities in human plasma by microchip electrophoretic separation of the substrates and hydrolysates coupled with immunoinhibition. Electrophoresis, 2008, 29, 1902-1909.	2.4	21
154	Highly sensitive doubleâ€fluorescent dye staining on microchip electrophoresis for analysis of milk proteins. Electrophoresis, 2008, 29, 2533-2538.	2.4	8
155	Flowing thermal lens micro-flow velocimeter. Sensors and Actuators B: Chemical, 2008, 133, 91-96.	7.8	17
156	Rinse and evaporation coating of poly(methyl methacrylate) microchip for separation of sodium dodecyl sulfateâ€“protein complex. Journal of Chromatography A, 2008, 1192, 289-293.	3.7	6
157	Dynamic Cross-Linking Effect of Mg2+ To Enhance Sieving Properties of Low-Viscosity Poly(vinylpyrrolidone) Solutions for Microchip Electrophoresis of Proteins. Analytical Chemistry, 2008, 80, 312-316.	6.5	13
158	Rolling Circle Amplification and Circle-to-circle Amplification of a Specific Gene Integrated with Electrophoretic Analysis on a Single Chip. Analytical Chemistry, 2008, 80, 2483-2490.	6.5	70
159	Nuclease Tolerant FRET Probe Based on DNA-Quantum Dot Conjugation. Analytical Sciences, 2008, 24, 181-183.	1.6	22
160	Poly(methylmethacrylate) Microchip Electrophoresis of Proteins Using Linear-poly(acrylamide) Solutions as Separation Matrix. Analytical Sciences, 2008, 24, 321-325.	1.6	8
161	Microchip Electrophoresis for Specific Gene Detection of the Pathogenic Bacteria V. cholerae by Circle-to-Circle Amplification. Analytical Sciences, 2008, 24, 327-332.	1.6	18
162	Microchip-Based Immunoassay. Bunseki Kagaku, 2007, 56, 521-534.	0.2	5

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163	Quantum Dots for Single Bio-Molecule Imaging. Analytical Sciences, 2007, 23, 21-24.	1.6	37
164	Highly Sensitive Detection of Non-Labeled Peptides Using UV Excitation Thermal Lens Microscope/Liquid Chromatography. Bunseki Kagaku, 2007, 56, 1-7.	0.2	4
165	Microchip Electrophoresis for Detection of Circle-to-Circle Amplification Products towards Sensitive and Rapid DNA Analysis. Chemistry Letters, 2007, 36, 396-397.	1.3	4
166	Online Preconcentration by Transient Isotachophoresis in Linear Polymer on a Poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td Chemistry, 2007, 79, 3667-3672.	6.5	82
167	Influences of electroosmotic flows in nanopillar chips on DNA separation: Experimental results and numerical simulations. Israel Journal of Chemistry, 2007, 47, 161-169.	2.3	19
168	Enhanced electrophoretic resolution of monosulfate glycosaminoglycan disaccharide isomers on poly(methyl methacrylate) chips. Electrophoresis, 2007, 28, 414-421.	2.4	23
169	Dynamic coating using methylcellulose and polysorbate 20 for nondenaturing electrophoresis of proteins on plastic microchips. Electrophoresis, 2007, 28, 830-836.	2.4	21
170	Rapid bonding of Pyrex glass microchips. Electrophoresis, 2007, 28, 994-1001.	2.4	20
171	Determination of human blood glucose levels using microchip electrophoresis. Electrophoresis, 2007, 28, 2927-2933.	2.4	29
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