

# Tomoyuki Yasukawa

## List of Publications by Year in descending order

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148  
papers

3,650  
citations

101543

36  
h-index

155660

55  
g-index

148  
all docs

148  
docs citations

148  
times ranked

3191  
citing authors

#	ARTICLE	IF	CITATIONS
1	A multicellular spheroid array to realize spheroid formation, culture, and viability assay on a chip. <i>Biomaterials</i> , 2007, 28, 559-566.	11.4	159
2	Dual Imaging of Topography and Photosynthetic Activity of a Single Protoplast by Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 1999, 71, 4637-4641.	6.5	122
3	Multi-channel 3-D cell culture device integrated on a silicon chip for anticancer drug sensitivity test. <i>Biomaterials</i> , 2005, 26, 2165-2172.	11.4	121
4	Characterization and Imaging of Single Cells with Scanning Electrochemical Microscopy. <i>Electroanalysis</i> , 2000, 12, 653-659.	2.9	109
5	Oxygen Permeability of Surface-modified Poly(dimethylsiloxane) Characterized by Scanning Electrochemical Microscopy. <i>Chemistry Letters</i> , 2006, 35, 234-235.	1.3	103
6	Electrochemical Detection of Epidermal Growth Factor Receptors on a Single Living Cell Surface by Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2009, 81, 2785-2790.	6.5	98
7	Fabrication of miniature Clark oxygen sensor integrated with microstructure. <i>Sensors and Actuators B: Chemical</i> , 2005, 110, 342-349.	7.8	96
8	Dielectrophoretic Micropatterning with Microparticle Monolayers Covalently Linked to Glass Surfaces. <i>Langmuir</i> , 2004, 20, 11005-11011.	3.5	92
9	Topographic imaging of convoluted surface of live cells by scanning ion conductance microscopy in a standing approach mode. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10012.	2.8	91
10	Topographic, Electrochemical, and Optical Images Captured Using Standing Approach Mode Scanning Electrochemical/Optical Microscopy. <i>Langmuir</i> , 2006, 22, 10299-10306.	3.5	88
11	Imaging of Cellular Activity of Single Cultured Cells by Scanning Electrochemical Microscopy. <i>Chemistry Letters</i> , 1998, 27, 767-768.	1.3	87
12	Electrochemical single-cell gene-expression assay combining dielectrophoretic manipulation with secreted alkaline phosphatase reporter system. <i>Biosensors and Bioelectronics</i> , 2009, 25, 913-919.	10.1	86
13	Negative dielectrophoretic patterning with different cell types. <i>Biosensors and Bioelectronics</i> , 2008, 24, 1043-1047.	10.1	85
14	Transfected Single-Cell Imaging by Scanning Electrochemical Optical Microscopy with Shear Force Feedback Regulation. <i>Analytical Chemistry</i> , 2009, 81, 9674-9681.	6.5	80
15	Negative Dielectrophoretic Patterning with Colloidal Particles and Encapsulation into a Hydrogel. <i>Langmuir</i> , 2007, 23, 4088-4094.	3.5	66
16	Flow sandwich-type immunoassay in microfluidic devices based on negative dielectrophoresis. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2730-2736.	10.1	66
17	Microamperometric Measurements of Photosynthetic Activity in a Single Algal Protoplast. <i>Biophysical Journal</i> , 1999, 76, 1129-1135.	0.5	65
18	Electrochemical mutagen screening using microbial chip. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1202-1209.	10.1	60

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19	All-solid-state micro lithium-ion batteries fabricated by using dry polymer electrolyte with micro-phase separation structure. <i>Electrochemistry Communications</i> , 2007, 9, 2013-2017.	4.7	58
20	Electrochemical Monitoring of Cellular Signal Transduction with a Secreted Alkaline Phosphatase Reporter System. <i>Analytical Chemistry</i> , 2006, 78, 7625-7631.	6.5	51
21	Sol-gel fabrication of lithium-ion microarray battery. <i>Electrochemistry Communications</i> , 2007, 9, 857-862.	4.7	48
22	Electrophoretic Cell Manipulation and Electrochemical Gene-Function Analysis Based on a Yeast Two-Hybrid System in a Microfluidic Device. <i>Analytical Chemistry</i> , 2008, 80, 3722-3727.	6.5	48
23	Detection of hormone active chemicals using genetically engineered yeast cells and microfluidic devices with interdigitated array electrodes. <i>Electrophoresis</i> , 2009, 30, 3406-3412.	2.4	47
24	Rapid and simple immunosensing system for simultaneous detection of tumor markers based on negative-dielectrophoretic manipulation of microparticles. <i>Talanta</i> , 2010, 81, 657-663.	5.5	47
25	A competitive immunochromatographic assay for testosterone based on electrochemical detection. <i>Talanta</i> , 2007, 73, 886-892.	5.5	46
26	Permeation of redox species through a cell membrane of a single, living algal protoplast studied by microamperometry. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1369, 152-158.	2.6	45
27	Cell Pairing Using Microwell Array Electrodes Based on Dielectrophoresis. <i>Analytical Chemistry</i> , 2014, 86, 6818-6822.	6.5	45
28	Dielectrophoretic manipulation of a single chlorella cell with dual-microdisk electrode. <i>Bioelectrochemistry</i> , 2001, 54, 33-37.	4.6	41
29	Control of the ZnO Nanowires Nucleation Site Using Microfluidic Channels. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3856-3859.	2.6	41
30	Microfluidic chip integrated with amperometric detector array for in situ estimating oxygen consumption characteristics of single bovine embryos. <i>Sensors and Actuators B: Chemical</i> , 2007, 125, 680-687.	7.8	40
31	Competitive multi-immunosensing of pesticides based on the particle manipulation with negative dielectrophoresis. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1928-1933.	10.1	40
32	A multicellular spheroid-based drug sensitivity test by scanning electrochemical microscopy. <i>Oncology Reports</i> , 2005, 13, 1107-12.	2.6	40
33	Measurement of Gene Expression from Single Adherent Cells and Spheroids Collected Using Fast Electrical Lysis. <i>Analytical Chemistry</i> , 2007, 79, 6823-6830.	6.5	38
34	Sensitive and Spatially Multiplexed Detection System Based on Dielectrophoretic Manipulation of DNA-Encoded Particles Used as Immunoreactions Platform. <i>Analytical Chemistry</i> , 2011, 83, 1053-1060.	6.5	37
35	Analysis of Protein Adsorption and Binding at Biosensor Polymer Interfaces Using X-ray Photon Spectroscopy and Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2003, 75, 2559-2570.	6.5	36
36	Rapid and separation-free sandwich immunosensing based on accumulation of microbeads by negative-dielectrophoresis. <i>Biosensors and Bioelectronics</i> , 2008, 24, 1000-1005.	10.1	36

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37	Detection of pesticide residues using an immunodevice based on negative dielectrophoresis. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1592-1597.	10.1	36
38	Detection of Surface Antigens on Living Cells through Incorporation of Immunorecognition into the Distinct Positioning of Cells with Positive and Negative Dielectrophoresis. <i>Analytical Chemistry</i> , 2011, 83, 7207-7212.	6.5	36
39	A microfluidic dual capillary probe to collect messenger RNA from adherent cells and spheroids. <i>Analytical Biochemistry</i> , 2009, 385, 138-142.	2.4	35
40	Electroanalysis of Metabolic Flux from Single Cells in Simple Picoliter-Volume Microsystems. <i>Analytical Chemistry</i> , 2002, 74, 5001-5008.	6.5	34
41	Enzyme immunosensing of pepsinogens 1 and 2 by scanning electrochemical microscopy. <i>Biosensors and Bioelectronics</i> , 2007, 22, 3099-3104.	10.1	34
42	Real-time monitoring of reactive oxygen species production during differentiation of human monocytic cell lines (THP-1). <i>Analytica Chimica Acta</i> , 2005, 549, 14-19.	5.4	33
43	Oxygen consumption of cell suspension in a poly(dimethylsiloxane) (PDMS) microchannel estimated by scanning electrochemical microscopy. <i>Analyst</i> , 2006, 131, 1006.	3.5	33
44	Metabolic and enzymatic activities of individual cells, spheroids and embryos as a function of the sample size. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 597-602.	7.8	32
45	On-chip electrochemical measurement of $\beta$ -galactosidase expression using a microbial chip. <i>Chemical Communications</i> , 2004, , 248-249.	4.1	30
46	Simple Detection of Surface Antigens on Living Cells by Applying Distinct Cell Positioning with Negative Dielectrophoresis. <i>Analytical Chemistry</i> , 2012, 84, 8830-8836.	6.5	30
47	On-Chip Transformation of Bacteria. <i>Analytical Chemistry</i> , 2005, 77, 4278-4281.	6.5	29
48	Imaging of Photosynthetic and Respiratory Activities of a Single Algal Protoplast by Scanning Electrochemical Microscopy. <i>Chemistry Letters</i> , 1999, 28, 975-976.	1.3	28
49	Three-dimensional micro-culture system with a silicon-based cell array device for multi-channel drug sensitivity test. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 654-659.	7.8	28
50	Simple and rapid preparation of vertically aligned gold nanoparticle arrays and fused nanorods in pores of alumina membrane based on positive dielectrophoresis. <i>Sensors and Actuators B: Chemical</i> , 2009, 136, 320-325.	7.8	26
51	Electrochemical microdevice with separable electrode and antibody chips for simultaneous detection of pepsinogens 1 and 2. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1784-1790.	10.1	25
52	Electrochemical monitoring of hydrogen peroxide released from leucocytes on horseradish peroxidase redox polymer coated electrode chip. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1723-1728.	10.1	24
53	Highly-sensitive electrochemical immunosensing method based on dual amplification systems. <i>Biosensors and Bioelectronics</i> , 2012, 37, 19-23.	10.1	23
54	Manipulation of microparticles for construction of array patterns by negative dielectrophoresis using multilayered array and grid electrodes. <i>Biotechnology and Bioengineering</i> , 2009, 104, 709-718.	3.3	22

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55	Electrochemical detection of receptor-mediated endocytosis by scanning electrochemical microscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16569.	2.8	22
56	Electrochemical detection of redox species flowing in a nitrocellulose membrane and application to quantitative immunochromatography. <i>Electrochimica Acta</i> , 2012, 81, 14-19.	5.2	22
57	Positioning of cells flowing in a fluidic channel by negative dielectrophoresis. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 9-16.	7.8	22
58	Amperometric detection of the bacterial metabolic regulation with a microbial array chip. <i>Biosensors and Bioelectronics</i> , 2005, 21, 145-151.	10.1	20
59	Enzyme immunoassay of insulin at picomolar levels based on the coulometric determination of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 304-308.	7.8	20
60	Electrorotation chip consisting of three-dimensional interdigitated array electrodes. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 468-473.	7.8	20
61	Application of microbial chip for amperometric detection of metabolic alteration in bacteria. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 676-682.	7.8	19
62	Cytokine assay on a cellular chip by combining collagen gel embedded culture with scanning electrochemical microscopy. <i>Analytica Chimica Acta</i> , 2006, 566, 55-59.	5.4	19
63	Rapid fabrication of nanoparticles array on polycarbonate membrane based on positive dielectrophoresis. <i>Sensors and Actuators B: Chemical</i> , 2008, 131, 424-431.	7.8	19
64	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
65	Cell-Based Electrochemical Assay for Endotoxin Using a Secreted Alkaline Phosphatase Reporter System. <i>Electrochemistry</i> , 2008, 76, 525-528.	1.4	16
66	Control of the microparticle position in the channel based on dielectrophoresis. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 400-403.	7.8	16
67	Electrochemical characterization of enzymatic activity of yeast cells entrapped in a poly(dimethylsiloxane) microwell on the basis of limited diffusion system. <i>Analyst, The</i> , 2009, 134, 182-187.	3.5	16
68	Inhibition of Electrochemical Fouling against Biomolecules on a Diamond-Like Carbon Electrode. <i>Analytical Sciences</i> , 2011, 27, 91-94.	1.6	16
69	Immunodevice for simultaneous detection of two relevant tumor markers based on separation of different microparticles by dielectrophoresis. <i>Biosensors and Bioelectronics</i> , 2011, 28, 443-449.	10.1	16
70	Quantitative and Single-step Enzyme Immunosensing Based on an Electrochemical Detection Coupled with Lateral-flow System. <i>Analytical Sciences</i> , 2017, 33, 531-535.	1.6	16
71	Determination of membrane capacitance and cytoplasm conductivity by simultaneous electrorotation. <i>Analyst, The</i> , 2020, 145, 4188-4195.	3.5	16
72	A multicellular spheroid-based drug sensitivity test by scanning electrochemical microscopy. <i>Oncology Reports</i> , 2005, 13, 1107.	2.6	15

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73	Electrochemical screening of recombinant protein solubility in <i>Escherichia coli</i> using scanning electrochemical microscopy (SECM). <i>Biotechnology and Bioengineering</i> , 2007, 96, 1008-1013.	3.3	15
74	Patterning with particles using three-dimensional interdigitated array electrodes with negative dielectrophoresis and its application to simple immunosensing. <i>Electrochimica Acta</i> , 2012, 82, 35-42.	5.2	15
75	A Dual Electrochemical Sensor Based on a Test-strip Assay for the Quantitative Determination of Albumin and Creatinine. <i>Analytical Sciences</i> , 2015, 31, 583-589.	1.6	13
76	Alternation of Gene Expression Levels in Mesenchymal Stem Cells by Applying Positive Dielectrophoresis. <i>Analytical Sciences</i> , 2016, 32, 1213-1216.	1.6	13
77	Three dimensional microelectrode array device integrating multi-channel microfluidics to realize manipulation and characterization of enzyme-immobilized polystyrene beads. <i>Sensors and Actuators B: Chemical</i> , 2009, 141, 256-262.	7.8	12
78	Separation of Live and Dead Microorganisms in a Micro-Fluidic Device by Dielectrophoresis. <i>Bunseki Kagaku</i> , 2005, 54, 1189-1195.	0.2	12
79	Microamperometric Determination of Photosynthetic Oxygen Generation from a Single Protoplast. <i>Electrochemistry</i> , 1998, 66, 660-661.	0.3	12
80	Imaging the Activity of Immobilized Horse Radish Peroxidase with Scanning Electrochemical/chemiluminescence Microscopy. <i>Electrochemistry</i> , 1999, 67, 1135-1137.	1.4	11
81	Microcontact printed diaphorase monolayer on glass characterized by atomic force microscopy and scanning electrochemical microscopy. <i>Electrochemistry Communications</i> , 2007, 9, 2703-2708.	4.7	9
82	Microfluidic Devices for Electrochemical Measurement of Photosynthetic Activity of Cyanobacteria <i>Microcystis</i> Cells. <i>Analytical Sciences</i> , 2012, 28, 69-72.	1.6	9
83	Dielectrophoretic Tweezers for Pickup and Relocation of Individual Cells Using Microdisk Electrodes with a Microcavity. <i>Electrochemistry</i> , 2016, 84, 361-363.	1.4	9
84	Regulation and characterization of the polarity of cells embedded in a reconstructed basement matrix using a three-dimensional micro-culture system. <i>Biotechnology and Bioengineering</i> , 2007, 97, 615-621.	3.3	8
85	Cisplatin-based DNA sensing with enhanced current response. <i>Analyst</i> , 2009, 134, 2113.	3.5	8
86	Array of Single-cell Pairs on a Microwell Array Based on Positive Dielectrophoresis. <i>Chemistry Letters</i> , 2014, 43, 980-981.	1.3	8
87	Simple Formation of Cell Arrays Embedded in Hydrogel Sheets and Cubes. <i>Analytical Sciences</i> , 2018, 34, 127-130.	1.6	8
88	Rapid Formation of Arrayed Cells on an Electrode with Microwells by a Scanning Electrode Based on Positive Dielectrophoresis. <i>Analytical Sciences</i> , 2019, 35, 701-704.	1.6	8
89	Rapid Formation of Aggregates with Uniform Numbers of Cells Based on Three-dimensional Dielectrophoresis. <i>Analytical Sciences</i> , 2019, 35, 895-901.	1.6	8
90	Microfluidic Separation of Blood Cells Based on the Negative Dielectrophoresis Operated by Three Dimensional Microband Electrodes. <i>Micromachines</i> , 2020, 11, 833.	2.9	8

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91	Imaging of Diaphorase Micropatterned at Gold Arrays with Scanning Electrochemical Microscopy. <i>Chemistry Letters</i> , 2000, 29, 458-459.	1.3	7
92	Detection of the Oxygen Consumption Rate of Migrating Zebrafish by Electrochemical Equalization Systems. <i>Analytical Chemistry</i> , 2014, 86, 304-307.	6.5	7
93	Rapid formation of cell-particle complexes via dielectrophoretic manipulation for the detection of surface antigens. <i>Biosensors and Bioelectronics</i> , 2014, 61, 215-221.	10.1	7
94	Improvement of Electrochemical Response of Cocaine Sensors Based on DNA Aptamer by Heat Treatment. <i>Analytical Sciences</i> , 2016, 32, 469-472.	1.6	7
95	Selective retrieval of antibody-secreting hybridomas in cell arrays based on the dielectrophoresis. <i>Biosensors and Bioelectronics</i> , 2022, 209, 114250.	10.1	7
96	Use of a Surface-Modified Poly(dimethylsiloxane) Layer for the Preparation of Amperometric Glucose Sensor. <i>Electrochemistry</i> , 2009, 77, 319-321.	1.4	6
97	Immobilization of Glucose Oxidase on a Poly(dimethylsiloxane) Layer by Using Poly(L-lysine) as a Polymer Backbone. <i>Analytical Sciences</i> , 2009, 25, 1159-1162.	1.6	6
98	An electrochemical device with microwells for determining the photosynthetic activity of a single cyanobacterium. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 474-478.	7.8	6
99	Electrochemical Activity Imaging of Enzymes Immobilized on Substrates Based on a Bio-LSI System. <i>Chemistry Letters</i> , 2014, 43, 758-759.	1.3	6
100	Imaging of enzyme activity using bio-LSI system enables simultaneous immunosensing of different analytes in multiple specimens. <i>Biotechnology Journal</i> , 2016, 11, 838-842.	3.5	6
101	Bioassay using living cells integrated on a chip. <i>Bunseki Kagaku</i> , 2004, 53, 367-382.	0.2	5
102	Determination of the Apparent Michaelis Constant of Glucose Oxidase Immobilized on a Microelectrode with Respect to Oxygen. <i>Electroanalysis</i> , 2010, 22, 927-930.	2.9	5
103	Line Patterning with Microparticles at Different Positions in a Single Device Based on Negative Dielectrophoresis. <i>Journal of Robotics and Mechatronics</i> , 2013, 25, 650-656.	1.0	5
104	Highly Sensitive Detection of 1,12-Diacetylspermine Based on Electrochemical Charge Accumulation. <i>Chemistry Letters</i> , 2010, 39, 88-89.	1.3	4
105	Negative Dielectrophoretic Particle Positioning in A Fluidic Flow. <i>Intelligent Automation and Soft Computing</i> , 2012, 18, 201-211.	2.1	4
106	Oxygen Consumption of Contractile C2C12 Myotubes Investigated by Scanning Electrochemical Microscopy. <i>Chemistry Letters</i> , 2015, 44, 1031-1032.	1.3	4
107	Selective Trapping and Retrieval of Single Cells Using Microwell Array Devices Combined with Dielectrophoresis. <i>Analytical Sciences</i> , 2021, 37, 803-806.	1.6	4

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109	Fabrication of Line and Grid Patterns with Cells Based on Negative Dielectrophoresis. Journal of Robotics and Mechatronics, 2010, 22, 613-618.	1.0	4
110	Electrochemical Synthesis of Poly(2,2,5-trimethyl-6-oxo-1,2,3,4-tetrahydropyridine) on a Glassy Carbon Electrode. Electrochemistry, 1999, 67, 264-268.	1.4	4
111	Selective Growth of Vertically-Aligned ZnO Nano-Needles. Journal of Nanoscience and Nanotechnology, 2006, 6, 3351-3354.	0.9	3
112	Amperometric Glucose Sensors Utilizing the Permeability of Oxygen and Hydrogen Peroxide through a Poly(dimethylsiloxane) Layer. Bunseki Kagaku, 2009, 58, 639-644.	0.2	3
113	A DNA hybridization sensor based on catalytic response by platinum deposition. Analyst, The, 2015, 140, 1014-1018.	3.5	3
114	Microsensors with Detection Range of Glucose to Higher Concentrations by Regulating Oxygen Concentration with the Electrolysis of Water. Electrochemistry, 2012, 80, 15-17.	1.4	2
115	Development of highly sensitive electrochemical measurement on dry chemistry measuring electrode potential shift. Electrochimica Acta, 2013, 108, 776-780.	5.2	2
116	Discrimination of cell-differentiation using a cell-binding assay based on the conversion of cell-patterns with dielectrophoresis. Biosensors and Bioelectronics, 2021, 175, 112892.	10.1	2
117	Electrorotation Rates of K562 Cells Accompanied by Erythroid Differentiation Induced by Sodium Butyrate. Analytical Sciences, 2021, 37, 229-232.	1.6	2
118	Electrofusion of cells with different diameters by generating asymmetrical electric field in the microwell array. Analytical Sciences, 2022, 38, 235-239.	1.6	2
119	Enzyme Immunosensing for C-Reactive Protein with Scanning Electrochemical Microscopy. Bunseki Kagaku, 2006, 55, 979-985.	0.2	1
120	Oxygen Consumption of Mammalian Embryos and Oocytes Monitored by Scanning Electrochemical Microscopy. , 2007, , .		1
121	Micropatterning with different cell types by dielectrophoretic manipulation. , 2007, , .		1
122	SECM for Single-Cell Bioimaging. ECS Meeting Abstracts, 2008, , .	0.0	1
123	Immunoassay for Insulin Using Highly-Sensitive Hydrogen Peroxide Sensors Based on Charge Accumulation Systems. ECS Transactions, 2008, 16, 27-35.	0.5	1
124	Electrochemical Characterization of Enzyme and Immunoglobulin G Patterned Using Microcontact Printing. Electrochemistry, 2010, 78, 122-125.	1.4	1
125	Preparation of Immunosensors Using a Microfluidic Device with an Interdigitated Array Electrode Modified with Antibodies. Electrochemistry, 2010, 78, 175-177.	1.4	1
126	Sensitive Glucose Sensors Based on Chemical Amplification with a Glucose Cycling of Substrate on Oxygen Permeable Poly(dimethylsiloxane) Layer. Bunseki Kagaku, 2010, 59, 721-725.	0.2	1



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127	Improvement of Detectable Sensitivity for Enzyme Reaction by Scanning Electrochemical Microscopy with Distance Control System for Immunosensing. <i>Electrochemistry</i> , 2012, 80, 30-32.	1.4	1
128	1r1/4Žè <sup>a</sup> é»æ <sup>33</sup> â <sup>•</sup> ā,â <sup>^</sup> ©ç””ā←āŸèj”éçæš—âžŸç™ <sup>o</sup> ç <sup>3</sup> /4ç <sup>o</sup> èfžā@èz...éÿæœâ†°æš€èj“. <i>Electrochemistry</i> , 2014, 82, 998-999.		1
129	Detection of Pesticide Residues Using Biosensors. , 2012, , 21-40.		1
130	Catalytic Reduction of Hydrogen Peroxide by Platinum Electrode Deposited Carbon Electrode toward the Application for Bioanalysis. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2013, 64, 190-192.	0.2	1
131	Particle Patterning Based on Positive Dielectrophoresis Using a Scanning Microelectrode. <i>Sensors and Materials</i> , 2019, 31, 23.	0.5	1
132	Development of Negative Dielectrophoretic Cellular Patterning System for Living Cells. , 2006, , .		0
133	Electrochemical ELISA of Testosterone Using Nitrocellulose Membrane as a Support for Antibodies. <i>Bunseki Kagaku</i> , 2007, 56, 471-478.	0.2	0
134	Negative dielectrophoretic manipulation with microparticles for rapid immunosensing. , 2008, , .		0
135	Rapid immunosensing based on accumulation of microparticles by negative dielectrophoresis. , 2009, , .		0
136	Rapid pattern switching of cellular arrays with dielectrophoresis to discriminate surface antigen. , 2012, , .		0
137	Dielectrophoretic formation of cell-particle complexes based on immunoreaction. , 2013, , .		0
138	Separation of cells expressed specific antigen on the surface based on dielectrophoresis. , 2014, , .		0
139	Cell pairing on a microwell array electrode by positive dielectrophoresis. , 2014, , .		0
140	Electrochemical Assay System with a Membrane Fluidic Device. <i>Bunseki Kagaku</i> , 2015, 64, 99-104.	0.2	0
141	Investigation of oxygen consumption for micropatterns of contractile myotubes by scanning electrochemical microscopy. , 2015, , .		0
142	Relocation of individual cells to form patterns based on dielectrophoresis using microdisk electrode with cavity. , 2016, , .		0
143	Manipulation of individual cells based on dielectrophoresis using a microdisk electrode with a microcavity. , 2017, , .		0
144	Biosensors Using an Antibody as a Recognition Element. <i>Analytical Sciences</i> , 2019, 35, 359-360.	1.6	0

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145	Point of care testing apparatus for immunosensing. , 2019, , 193-205.		0
146	è«é»æ³³â«ã, 'ç"ã,ãÿè...éÿãã...ç-«æ,ã@æ³ããé-ç™. Journal of Japan Institute of Electronics Packaging, 2010, 13, 188-193.	10.1	0
147	Discrimination of Cells with Specific Antigens Expressed on a Membrane Based on the Dielectrophoresis. , 2015, , 69-78.		0
148	Simultaneous Monitoring of Oxygen Consumption and Movement of Zebrafish Embryos Based on an LSI-based Electrochemical Multiple-biosensor. Bunseki Kagaku, 2021, 70, 535-540.	0.2	0