

Kosuke Ino

List of Publications by Year in descending order

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141
papers

3,950
citations

126708

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h-index

155451

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147
all docs

147
docs citations

147
times ranked

3871
citing authors

#	ARTICLE	IF	CITATIONS
1	Bipolar Electrode-Based Electrochromic Devices for Analytical Applications – A Review. <i>Electroanalysis</i> , 2022, 34, 212-226.	1.5	13
2	Electrochemical Glue for Binding Chitosan-Alginate Hydrogel Fibers for Cell Culture. <i>Micromachines</i> , 2022, 13, 420.	1.4	4
3	Recent advances in animal cell technologies for industrial and medical applications. <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 509-514.	1.1	3
4	Editorial for the Topic on Microdevices for Biomedical Analysis. <i>Micromachines</i> , 2022, 13, 570.	1.4	0
5	Electrochemiluminescence imaging of cellular adhesion in vascular endothelial cells during tube formation on hydrogel scaffolds. <i>Electrochimica Acta</i> , 2022, 415, 140240.	2.6	12
6	Electrochemical Substrates and Systems for Enzyme-Based Bioassays. <i>Bunseki Kagaku</i> , 2022, 71, 109-117.	0.1	0
7	Electrodeposition of Thiolated Polymer-based Hydrogels via Disulfide Formation Using Electrogenerated Benzoquinone. <i>Chemistry Letters</i> , 2021, 50, 256-259.	0.7	0
8	Micropipet-Based Navigation in a Microvascular Model for Imaging Endothelial Cell Topography Using Scanning Ion Conductance Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 4902-4908.	3.2	14
9	A Droplet Array Device for Electrochemical Detection of Methylene Blue Based on Local Redox Cycling. <i>Bunseki Kagaku</i> , 2021, 70, 183-189.	0.1	1
10	Electrochemiluminescence Imaging for High Throughput Analysis of Spheroids. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 1621-1621.	0.0	0
11	Electrochemiluminescence imaging of respiratory activity of cellular spheroids using sequential potential steps. <i>Biosensors and Bioelectronics</i> , 2021, 181, 113123.	5.3	26
12	Topography and Permeability Analyses of Vasculature-on-a-Chip Using Scanning Probe Microscopies. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101186.	3.9	6
13	Electrochemical Immunoassay with Dual-Signal Amplification for Redox Cycling within a Nanoscale Gap. <i>ACS Applied Nano Materials</i> , 2021, 4, 12393-12400.	2.4	5
14	Simultaneous Monitoring of Oxygen Consumption and Movement of Zebrafish Embryos Based on an LSI-based Electrochemical Multiple-biosensor. <i>Bunseki Kagaku</i> , 2021, 70, 535-540.	0.1	0
15	Ion Conductance-Based Perfusability Assay of Vascular Vessel Models in Microfluidic Devices. <i>Micromachines</i> , 2021, 12, 1491.	1.4	2
16	Electrochemical Imaging of Endothelial Permeability Using a Large-Scale Integration-Based Device. <i>ACS Omega</i> , 2021, 6, 35476-35483.	1.6	8
17	Closed Bipolar Electrode Array for On-Chip Analysis of Cellular Respiration by Cell Aggregates. <i>ACS Sensors</i> , 2020, 5, 740-745.	4.0	45
18	Fabrication of three-dimensional calcium alginate hydrogels using sacrificial templates of sugar. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 539-544.	1.1	14

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19	Oxygen consumption rate of tumour spheroids during necrotic-like core formation. <i>Analyst</i> , The, 2020, 145, 6342-6348.	1.7	32
20	Recent Advances in Electrochemiluminescence-Based Systems for Mammalian Cell Analysis. <i>Micromachines</i> , 2020, 11, 530.	1.4	39
21	Electrochemical measurement of respiratory activity for evaluation of fibroblast spheroids containing endothelial cell networks. <i>Electrochimica Acta</i> , 2020, 340, 135979.	2.6	14
22	Biofabrication Using Electrochemical Devices and Systems. <i>Advanced Biology</i> , 2020, 4, e1900234.	3.0	17
23	(Invited) Cell Analysis Using Integrated Electrochemical Devices. ECS Meeting Abstracts, 2020, MA2020-02, 2809-2809.	0.0	0
24	Genipin Crosslinking of Electrodeposited Chitosan/Gelatin Hydrogels for Cell Culture. <i>Chemistry Letters</i> , 2019, 48, 1178-1180.	0.7	9
25	Real-time imaging of photosynthetic oxygen evolution from spinach using LSI-based biosensor. <i>Scientific Reports</i> , 2019, 9, 12234.	1.6	10
26	Site-Specific Cytosol Sampling from a Single Cell in an Intact Tumor Spheroid Using an Electrochemical Syringe. <i>Analytical Chemistry</i> , 2019, 91, 8772-8776.	3.2	4
27	Electric and Electrochemical Microfluidic Devices for Cell Analysis. <i>Frontiers in Chemistry</i> , 2019, 7, 396.	1.8	33
28	Combination of Double-Mediator System with Large-Scale Integration-Based Amperometric Devices for Detecting NAD(P)H:quinone Oxidoreductase 1 Activity of Cancer Cell Aggregates. <i>ACS Sensors</i> , 2019, 4, 1619-1625.	4.0	11
29	A highly sensitive endotoxin sensor based on redox cycling in a nanocavity. <i>Analyst</i> , The, 2019, 144, 3659-3667.	1.7	14
30	Electrochemical fabrication of fibrin gels via cascade reaction for cell culture. <i>Chemical Communications</i> , 2019, 55, 5335-5338.	2.2	7
31	Electrodeposition-based rapid bioprinting of 3D-designed hydrogels with a pin art device. <i>Biofabrication</i> , 2019, 11, 035018.	3.7	13
32	Electrochemical Imaging of Cell Activity in Hydrogels Embedded in Grid-shaped Polycaprolactone Scaffolds Using a Large-scale Integration-based Amperometric Device. <i>Analytical Sciences</i> , 2019, 35, 39-43.	0.8	7
33	Differential Electrochemicolor Imaging Using LSI-based Device for Simultaneous Detection of Multiple Analytes. <i>Sensors and Materials</i> , 2019, 31, 13.	0.3	6
34	Electrochemical imaging using redox mediators for cell activity of three-dimensional cultured cells. , 2019, , .		1
35	Electrochemicolor imaging of endogenous alkaline phosphatase and respiratory activities of mesenchymal stem cell aggregates in early-stage osteodifferentiation. <i>Electrochimica Acta</i> , 2018, 268, 554-561.	2.6	28
36	Micropatterning of Nafion Membranes on an Electrode Array Using Photolithographic and Lift-off Techniques for Selective Electrochemical Detection and Signal Accumulation. <i>Chemistry Letters</i> , 2018, 47, 204-206.	0.7	2

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37	Simultaneous and Selective Imaging of Dopamine and Glutamate Using an Enzyme-Modified Large-Scale Integration (LSI)-Based Amperometric Electrochemical Device. <i>Electroanalysis</i> , 2018, 30, 2841-2846.	1.5	6
38	Local hydrogel fabrication based on electrodeposition with a large-scale integration (LSI)-based amperometric device. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 95-101.	4.0	12
39	Electrochemical printing of calcium alginate/gelatin hydrogel. <i>Electrochimica Acta</i> , 2018, 281, 429-436.	2.6	43
40	Hydrogel electrodeposition based on bipolar electrochemistry. <i>Lab on A Chip</i> , 2018, 18, 2425-2432.	3.1	18
41	Intracellular Electrochemical Sensing. <i>Electroanalysis</i> , 2018, 30, 2195-2209.	1.5	21
42	Binary-number-based digital electrochemical detection using a single working electrode with multiple sensors. <i>Electrochemistry Communications</i> , 2017, 77, 76-80.	2.3	4
43	Cell Sheet Fabrication Using RGD Peptide-coupled Alginate Hydrogels Fabricated by an Electrodeposition Method. <i>Chemistry Letters</i> , 2017, 46, 605-608.	0.7	20
44	Electrochemical Motion Tracking of Microorganisms Using a Large-Scale-Integration-Based Amperometric Device. <i>Angewandte Chemie</i> , 2017, 129, 6922-6926.	1.6	1
45	Electrochemical Motion Tracking of Microorganisms Using a Large-Scale-Integration-Based Amperometric Device. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6818-6822.	7.2	20
46	Amperometric Detection of Apoptosis by using p-Methoxyaniline-Conjugated Substrate for Caspase-3. <i>ChemElectroChem</i> , 2017, 4, 941-946.	1.7	7
47	Micro/nanoelectrochemical probe and chip devices for evaluation of three-dimensional cultured cells. <i>Analyst</i> , 2017, 142, 4343-4354.	1.7	32
48	Development of Oxygen Consumption Analysis with an on-Chip Electrochemical Device and Simulation. <i>Analytical Chemistry</i> , 2017, 89, 10303-10310.	3.2	20
49	Bioelectrochemical applications of microelectrode arrays in cell analysis and engineering. <i>Current Opinion in Electrochemistry</i> , 2017, 5, 146-151.	2.5	41
50	Electrochemicolor Imaging Using an LSI-Based Device for Multiplexed Cell Assays. <i>Analytical Chemistry</i> , 2017, 89, 12778-12786.	3.2	34
51	Continuous collection and simultaneous detection of picoliter volume of nucleic acid samples using a mille-feuille probe. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 961-969.	1.9	9
52	Electrochemical Hydrogel Lithography of Calcium-Alginate Hydrogels for Cell Culture. <i>Materials</i> , 2016, 9, 744.	1.3	28
53	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.	1.8	6
54	A New In Vitro Co-Culture Model Using Magnetic Force-Based Nanotechnology. <i>Journal of Cellular Physiology</i> , 2016, 231, 2249-2256.	2.0	1

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55	Sequential Monitoring of Oxygen Consumption Rate of Mouse Embryoid Bodies in Glucose-Depleted Solution. <i>Electrochemistry</i> , 2016, 84, 302-304.	0.6	7
56	Redox Cycling-based Electrochemical Reporter Gene Assay for Single Cells Using a Scanning Electrochemical Microscope-microwell System. <i>Electrochemistry</i> , 2016, 84, 308-311.	0.6	3
57	Electrochemical Imaging for Single-cell Analysis of Cell Adhesion Using a Collagen-coated Large-scale Integration (LSI)-based Amperometric Device. <i>Electrochemistry</i> , 2016, 84, 364-367.	0.6	14
58	Molecular electrochemical switching element based on diffusive molecular competition for multipoint electrochemical detection of respiration activity of cell aggregates. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 201-208.	4.0	14
59	Evaluation of mRNA Localization Using Double Barrel Scanning Ion Conductance Microscopy. <i>ACS Nano</i> , 2016, 10, 6915-6922.	7.3	58
60	Localized Gene Expression Analysis during Sprouting Angiogenesis in Mouse Embryoid Bodies Using a Double Barrel Carbon Probe. <i>Analytical Chemistry</i> , 2016, 88, 610-613.	3.2	8
61	Liquid-junction-free system for substitutional stripping voltammetry using a closed bipolar electrode system. <i>Electrochemistry Communications</i> , 2016, 66, 34-37.	2.3	17
62	Potentiometric bioimaging with a large-scale integration (LSI)-based electrochemical device for detection of enzyme activity. <i>Biosensors and Bioelectronics</i> , 2016, 77, 709-714.	5.3	21
63	Local Redox-cycling-based Electrochemical System for Bioimaging. <i>Bunseki Kagaku</i> , 2015, 64, 669-678.	0.1	0
64	Simulation Analysis of Positional Relationship between Embryoid Bodies and Sensors on an LSI-based Amperometric Device for Electrochemical Imaging of Alkaline Phosphatase Activity. <i>Analytical Sciences</i> , 2015, 31, 715-719.	0.8	14
65	Microchemistry- and MEMS-based Integrated Electrochemical Devices for Bioassay Applications. <i>Electrochemistry</i> , 2015, 83, 688-694.	0.6	5
66	Evaluation of senescence in individual MCF-7 spheroids based on electrochemical measurement of senescence-associated β -galactosidase activity. <i>Electrochimica Acta</i> , 2015, 186, 449-454.	2.6	16
67	Electrochemical Imaging of Dopamine Release from Three-Dimensional-Cultured PC12 Cells Using Large-Scale Integration-Based Amperometric Sensors. <i>Analytical Chemistry</i> , 2015, 87, 6364-6370.	3.2	63
68	Feedback mode-based electrochemical imaging of conductivity and topography for large substrate surfaces using an LSI-based amperometric chip device with 400 sensors. <i>Journal of Electroanalytical Chemistry</i> , 2015, 741, 109-113.	1.9	17
69	Improving the Electrochemical Imaging Sensitivity of Scanning Electrochemical Microscopy-Scanning Ion Conductance Microscopy by Using Electrochemical Pt Deposition. <i>Analytical Chemistry</i> , 2015, 87, 3484-3489.	3.2	57
70	Nanoscale Imaging of an Unlabeled Secretory Protein in Living Cells Using Scanning Ion Conductance Microscopy. <i>Analytical Chemistry</i> , 2015, 87, 2542-2545.	3.2	26
71	Metabolic suppression during mesodermal differentiation of embryonic stem cells identified by single-cell comprehensive gene expression analysis. <i>Molecular BioSystems</i> , 2015, 11, 2560-2567.	2.9	11
72	Advanced LSI-based amperometric sensor array with light-shielding structure for effective removal of photocurrent and mode selectable function for individual operation of 400 electrodes. <i>Lab on A Chip</i> , 2015, 15, 848-856.	3.1	32

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73	A local redox cycling-based electrochemical chip device with nanocavities for multi-electrochemical evaluation of embryoid bodies. <i>Lab on A Chip</i> , 2015, 15, 4404-4414.	3.1	34
74	Immuno Nanoparticles Integrated Electrical Control of Targeted Cancer Cell Development Using Whole Cell Bioelectronic Device. <i>Theranostics</i> , 2014, 4, 919-930.	4.6	28
75	Nanoscale Cell Surface Topography Imaging using Scanning Ion Conductance Microscopy. <i>Electrochemistry</i> , 2014, 82, 331-334.	0.6	20
76	Isolation and quantification of messenger RNA from tissue models by using a double-barrel carbon probe. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 275-282.	1.9	6
77	Nanoscale visualization of redox activity at lithium-ion battery cathodes. <i>Nature Communications</i> , 2014, 5, 5450.	5.8	153
78	Electrochemical evaluation of sarcomeric $\hat{\pm}$ -actinin in embryoid bodies after gene silencing using an LSI-based amperometric sensor array. <i>Analytical Methods</i> , 2014, 6, 6337.	1.3	17
79	Droplet array on local redox cycling-based electrochemical (LRC-EC) chip device. <i>Lab on A Chip</i> , 2014, 14, 787-794.	3.1	14
80	Electrochemical sensor with substitutional stripping voltammetry for highly sensitive endotoxin assay. <i>Analyst, The</i> , 2014, 139, 5001-5006.	1.7	16
81	Densified Electrochemical Sensors Based on Local Redox Cycling between Vertically Separated Electrodes in Substrate Generation/Chip Collection and Extended Feedback Modes. <i>Analytical Chemistry</i> , 2014, 86, 4016-4023.	3.2	33
82	Electrochemical monitoring of intracellular enzyme activity of single living mammalian cells by using a double-mediator system. <i>Analytica Chimica Acta</i> , 2014, 842, 20-26.	2.6	29
83	Rapid and high-throughput formation of 3D embryoid bodies in hydrogels using the dielectrophoresis technique. <i>Lab on A Chip</i> , 2014, 14, 3690-3694.	3.1	22
84	Electrochemical Approach for the Development of a Simple Method for Detecting Cell Apoptosis Based on Caspase-3 Activity. <i>Analytical Chemistry</i> , 2014, 86, 4723-4728.	3.2	61
85	SU-8-based Flexible Amperometric Device with IDA Electrodes to Regenerate Redox Species in Small Spaces. <i>Analytical Sciences</i> , 2014, 30, 305-309.	0.8	11
86	2P303 Development of Nano Electrochemical Mircoscope for living cell imaging(27.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (Bioin Butsuri, 2014, 54, S245.	0.0	0
87	1C11 Electrochemical lithography for fabricating alginate hydrogel. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 67-68.	0.0	0
88	Alginate gel microwell arrays using electrodeposition for three-dimensional cell culture. <i>Lab on A Chip</i> , 2013, 13, 3128.	3.1	71
89	Cell pairing using a dielectrophoresis-based device with interdigitated array electrodes. <i>Lab on A Chip</i> , 2013, 13, 3650.	3.1	68
90	A screen-printed endotoxin sensor based on amperometry using a novel p-aminophenol conjugated substrate for a Limulus ameocyte lysate protease reaction. <i>Analyst, The</i> , 2013, 138, 6523.	1.7	26

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91	Noninvasive Measurement of Alkaline Phosphatase Activity in Embryoid Bodies and Coculture Spheroids with Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2013, 85, 9647-9654.	3.2	33
92	Evaluation of the differentiation status of single embryonic stem cells using scanning electrochemical microscopy. <i>Chemical Communications</i> , 2013, 49, 6498.	2.2	22
93	Noninvasive measurement of respiratory activity of mouse embryoid bodies and its correlation with mRNA levels of undifferentiation/differentiation markers. <i>Molecular BioSystems</i> , 2013, 9, 2701.	2.9	15
94	LSI-based amperometric sensor for real-time monitoring of embryoid bodies. <i>Biosensors and Bioelectronics</i> , 2013, 48, 12-18.	5.3	45
95	Electrodeposition of alginate gels for construction of vascular-like structures. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 459-461.	1.1	61
96	Multiparameter analyses of three-dimensionally cultured tumor spheroids based on respiratory activity and comprehensive gene expression profiles. <i>Analytical Biochemistry</i> , 2013, 439, 187-193.	1.1	35
97	A contactless electrical stimulator: application to fabricate functional skeletal muscle tissue. <i>Biomedical Microdevices</i> , 2013, 15, 109-115.	1.4	35
98	Carbon-Ag/AgCl Probes for Detection of Cell Activity in Droplets. <i>Analytical Chemistry</i> , 2013, 85, 3832-3835.	3.2	21
99	Electrochemical Device with Interdigitated Ring Array Electrodes for Investigating the Relationship between Cardiomyocyte Differentiation from Embryonic Stem Cells and Alkaline Phosphatase Activity. <i>Electrochemistry</i> , 2013, 81, 682-687.	0.6	16
100	Comprehensive electrochemical imaging with local redox cycling-based electrochemical chip device for evaluation of three-dimensional culture cells. , 2012, , .		0
101	Development of an electrochemical <i>Limulus</i> amoebocyte lysate assay technique for portable and highly sensitive endotoxin sensor. <i>Innate Immunity</i> , 2012, 18, 343-349.	1.1	30
102	Gelatin methacrylate as a promising hydrogel for 3D microscale organization and proliferation of dielectrophoretically patterned cells. <i>Lab on A Chip</i> , 2012, 12, 2959.	3.1	148
103	Accumulation and detection of secreted proteins from single cells for reporter gene assays using a local redox cycling-based electrochemical (LRC-EC) chip device. <i>Lab on A Chip</i> , 2012, 12, 4328.	3.1	39
104	Electrochemical detection for dynamic analyses of a redox component in droplets using a local redox cycling-based electrochemical (LRC-EC) chip device. <i>Chemical Communications</i> , 2012, 48, 8505.	2.2	24
105	LSI-based amperometric sensor for bio-imaging and multi-point biosensing. <i>Lab on A Chip</i> , 2012, 12, 3481.	3.1	57
106	Real-time monitoring biomarker expression of carcinoma cells by surface plasmon resonance biosensors. <i>Chemical Communications</i> , 2012, 48, 10389.	2.2	47
107	Novel Electrochemical Methodology for Activity Estimation of Alkaline Phosphatase Based on Solubility Difference. <i>Analytical Chemistry</i> , 2012, 84, 7593-7598.	3.2	72
108	A Pt layer/Pt disk electrode configuration to evaluate respiration and alkaline phosphatase activities of mouse embryoid bodies. <i>Talanta</i> , 2012, 94, 30-35.	2.9	22

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109	Interdigitated array of Pt electrodes for electrical stimulation and engineering of aligned muscle tissue. <i>Lab on A Chip</i> , 2012, 12, 3491.	3.1	96
110	Development of Voltage Switching Mode Scanning Electrochemical Microscopy for Topographical and Electrochemical Nanoscale Imaging of Living Cells. <i>ECS Meeting Abstracts</i> , 2012, , .	0.0	0
111	Local Redoxâ€Cyclingâ€CBased Electrochemical Chip Device with Deep Microwells for Evaluation of Embryoid Bodies. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6648-6652.	7.2	66
112	A new electrochemical assay method for gene expression using hela cells with a secreted alkaline phosphatase (SEAP) reporter system. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2163-2167.	1.7	27
113	Microfluidic heavy metal immunoassay based on absorbance measurement. <i>Biosensors and Bioelectronics</i> , 2012, 33, 106-112.	5.3	24
114	Electrochemical detection of receptor-mediated endocytosis by scanning electrochemical microscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16569.	1.3	22
115	Addressable electrode array device with IDA electrodes for high-throughput detection. <i>Lab on A Chip</i> , 2011, 11, 385-388.	3.1	66
116	Electrochemical chip integrating scalable ringâ€Cring electrode array to detect secreted alkaline phosphatase. <i>Analyst, The</i> , 2011, 136, 4991.	1.7	22
117	Amperometric detection of DNA hybridization using a multi-point, addressable electrochemical device. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 923-928.	4.0	17
118	Monitoring oxygen consumption of single mouse embryos using an integrated electrochemical microdevice. <i>Biosensors and Bioelectronics</i> , 2011, 30, 100-106.	5.3	43
119	Influence of Tip Size on Single Yeast Cell Imaging Using Scanning Electrochemical Microscopy. <i>Electroanalysis</i> , 2011, 23, 1168-1174.	1.5	20
120	Electrorotation chip consisting of three-dimensional interdigitated array electrodes. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 468-473.	4.0	20
121	Reporter gene expression at singleâ€Ccell level characterized with realâ€Ctime RTâ€CPCR, chemiluminescence, fluorescence, and electrochemical imaging. <i>FEBS Letters</i> , 2010, 584, 4000-4008.	1.3	9
122	Magnetic manipulation device for the optimization of cell processing conditions. <i>Journal of Bioscience and Bioengineering</i> , 2010, 109, 182-188.	1.1	12
123	Electrochemical detection of endotoxin using recombinant factor C zymogen. <i>Electrochemistry Communications</i> , 2010, 12, 1066-1069.	2.3	34
124	Chronoamperometric characterization of secreted alkaline phosphatase from single-cell entrapped in a poly(dimethylsiloxane) microwell. <i>Electrochimica Acta</i> , 2010, 55, 8263-8267.	2.6	13
125	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.	5.3	24
126	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.	2.9	47

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127	Addressable electrochemiluminescence detection system based on redox-cycling of Ru(bpy) ₃ ²⁺ . Chemical Communications, 2010, 46, 243-245.	2.2	16
128	Electrochemical topography of a cell monolayer with an addressable microelectrode array. Chemical Communications, 2010, 46, 559-561.	2.2	15
129	Detection of hormone active chemicals using genetically engineered yeast cells and microfluidic devices with interdigitated array electrodes. Electrophoresis, 2009, 30, 3406-3412.	1.3	47
130	Electrochemical Gene Function Analysis for Single Cells with Addressable Microelectrode/Microwell Arrays. Angewandte Chemie - International Edition, 2009, 48, 2044-2046.	7.2	60
131	Application of magnetic force-based cell patterning for controlling cell-cell interactions in angiogenesis. Biotechnology and Bioengineering, 2009, 102, 882-890.	1.7	50
132	Manipulation of microparticles for construction of array patterns by negative dielectrophoresis using multilayered array and grid electrodes. Biotechnology and Bioengineering, 2009, 104, 709-718.	1.7	22
133	Microfluid-Assisted Dielectrophoretic Alignment and Device Characterization of Single ZnO Wires. Journal of Physical Chemistry C, 2009, 113, 19376-19381.	1.5	10
134	Plasmid DNA transfection using magnetite cationic liposomes for construction of multilayered gene-engineered cell sheet. Biotechnology and Bioengineering, 2008, 100, 168-176.	1.7	27
135	Cell culture arrays using magnetic force-based cell patterning for dynamic single cell analysis. Lab on A Chip, 2008, 8, 134-142.	3.1	139
136	Incorporation of Capillary-Like Structures into Dermal Cell Sheets Constructed by Magnetic Force-Based Tissue Engineering. Journal of Chemical Engineering of Japan, 2007, 40, 51-58.	0.3	31
137	Cell patterning using magnetite nanoparticles and magnetic force. Biotechnology and Bioengineering, 2007, 97, 1309-1317.	1.7	127
138	Application of Ultra-Water-Repellent Surface to Cell Culture. Journal of Bioscience and Bioengineering, 2007, 104, 420-423.	1.1	15
139	The effect of RGD peptide-conjugated magnetite cationic liposomes on cell growth and cell sheet harvesting. Biomaterials, 2005, 26, 6185-6193.	5.7	182
140	Novel Methodology for Fabrication of Tissue-Engineered Tubular Constructs Using Magnetite Nanoparticles and Magnetic Force. Tissue Engineering, 2005, 11, 1553-1561.	4.9	182
141	In vitro electrochemical assays for vascular cells and organs. Electrochemical Science Advances, 0, , e2100089.	1.2	3