

Eiichi Tamiya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6054761/publications.pdf>

Version: 2024-02-01

433
papers

15,251
citations

14614

66
h-index

28224

105
g-index

444
all docs

444
docs citations

444
times ranked

13401
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-Free Protein Biosensor Based on Aptamer-Modified Carbon Nanotube Field-Effect Transistors. <i>Analytical Chemistry</i> , 2007, 79, 782-787.	3.2	644
2	Computation of equivalent circuit parameters of quartz crystals in contact with liquids and study of liquid properties. <i>Analytical Chemistry</i> , 1988, 60, 2142-2146.	3.2	441
3	Piezoelectric crystal biosensor modified with protein A for determination of immunoglobulins. <i>Analytical Chemistry</i> , 1987, 59, 2760-2763.	3.2	351
4	Multiple Label-Free Detection of Antigen-Antibody Reaction Using Localized Surface Plasmon Resonance-Based Core-Shell Structured Nanoparticle Layer Nanochip. <i>Analytical Chemistry</i> , 2006, 78, 6465-6475.	3.2	337
5	Label-Free Detection of Peptide Nucleic Acid-DNA Hybridization Using Localized Surface Plasmon Resonance Based Optical Biosensor. <i>Analytical Chemistry</i> , 2005, 77, 6976-6984.	3.2	311
6	Recent trends in electrochemical DNA biosensor technology. <i>Measurement Science and Technology</i> , 2004, 15, R1-R11.	1.4	306
7	Label-free immunosensor for prostate-specific antigen based on single-walled carbon nanotube array-modified microelectrodes. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2377-2381.	5.3	297
8	Molecular recognition in continuous polymer rods prepared by a molecular imprinting technique. <i>Analytical Chemistry</i> , 1993, 65, 2223-2224.	3.2	250
9	Single-Cell Microarray for Analyzing Cellular Response. <i>Analytical Chemistry</i> , 2005, 77, 8050-8056.	3.2	244
10	Nanomaterial-based electrochemical biosensors for medical applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 585-592.	5.8	200
11	A Rapid Label-Free Electrochemical Detection and Kinetic Study of Alzheimer's Amyloid Beta Aggregation. <i>Journal of the American Chemical Society</i> , 2005, 127, 11892-11893.	6.6	197
12	Development of a novel hand-held formaldehyde gas sensor for the rapid detection of sick building syndrome. <i>Sensors and Actuators B: Chemical</i> , 2005, 105, 495-501.	4.0	183
13	Keratin degradation: a cooperative action of two enzymes from <i>Stenotrophomonas</i> sp.. <i>Biochemical and Biophysical Research Communications</i> , 2002, 294, 1138-1143.	1.0	163
14	Development of A Microchamber Array for Picoliter PCR. <i>Analytical Chemistry</i> , 2001, 73, 1043-1047.	3.2	158
15	An Overview of Label-free Electrochemical Protein Sensors. <i>Sensors</i> , 2007, 7, 3442-3458.	2.1	156
16	Label-Free DNA Biosensor Based on Localized Surface Plasmon Resonance Coupled with Interferometry. <i>Analytical Chemistry</i> , 2007, 79, 1855-1864.	3.2	144
17	Electrochemical Biosensors for Medical and Food Applications. <i>Electroanalysis</i> , 2008, 20, 616-626.	1.5	143
18	A localized surface plasmon resonance based immunosensor for the detection of casein in milk. <i>Science and Technology of Advanced Materials</i> , 2007, 8, 331-338.	2.8	137

#	ARTICLE	IF	CITATIONS
19	Printable Electrochemical Biosensors: A Focus on Screen-Printed Electrodes and Their Application. <i>Sensors</i> , 2016, 16, 1761.	2.1	135
20	Analysis of metabolites in sweat as a measure of physical condition. <i>Analytica Chimica Acta</i> , 1994, 289, 27-34.	2.6	134
21	A novel enhancement assay for immunochromatographic test strips using gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1414-1420.	1.9	134
22	Investigating neuronal activity with planar microelectrode arrays: achievements and new perspectives. <i>Journal of Bioscience and Bioengineering</i> , 2005, 100, 131-143.	1.1	132
23	Amyloid- β detection with saccharide immobilized gold nanoparticle on carbon electrode. <i>Bioelectrochemistry</i> , 2008, 74, 118-123.	2.4	129
24	Constraining the connectivity of neuronal networks cultured on microelectrode arrays with microfluidic techniques: A step towards neuron-based functional chips. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1093-1100.	5.3	126
25	Aptamer-Based Label-Free Immunosensors Using Carbon Nanotube Field-Effect Transistors. <i>Electroanalysis</i> , 2009, 21, 1285-1290.	1.5	120
26	Localized surface plasmon resonance based optical biosensor using surface modified nanoparticle layer for label-free monitoring of antigen-antibody reaction. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 491-500.	2.8	118
27	Gold nanoparticle-based electrochemical detection of protein phosphorylation. <i>Analytica Chimica Acta</i> , 2007, 588, 26-33.	2.6	114
28	Direct fabrication of catalytic metal nanoparticles onto the surface of a screen-printed carbon electrode. <i>Electrochemistry Communications</i> , 2006, 8, 1375-1380.	2.3	109
29	Quantum dot-based immunosensor for the detection of prostate-specific antigen using fluorescence microscopy. <i>Talanta</i> , 2007, 71, 1494-1499.	2.9	104
30	Meat species identification based on the loop mediated isothermal amplification and electrochemical DNA sensor. <i>Food Control</i> , 2010, 21, 599-605.	2.8	104
31	Electrochemical Coding of Single-Nucleotide Polymorphisms By Monobase-Modified Gold Nanoparticles. <i>Analytical Chemistry</i> , 2004, 76, 1877-1884.	3.2	101
32	Toward the development of smart and low cost point-of-care biosensors based on screen printed electrodes. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 1-11.	5.1	101
33	High-throughput PCR in silicon based microchamber array. <i>Biosensors and Bioelectronics</i> , 2001, 16, 1015-1019.	5.3	94
34	Detection of Alzheimer's tau protein using localised surface plasmon resonance-based immunochip. <i>Talanta</i> , 2008, 74, 1038-1042.	2.9	93
35	Microchamber array based DNA quantification and specific sequence detection from a single copy via PCR in nanoliter volumes. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1482-1490.	5.3	92
36	Development of Non-enzymatic Electrochemical Glucose Sensor Based on Graphene Oxide Nanoribbon - Gold Nanoparticle Hybrid. <i>Electrochimica Acta</i> , 2014, 146, 98-105.	2.6	92

#	ARTICLE	IF	CITATIONS
37	Modification of Escherichia coli single-stranded DNA binding protein with gold nanoparticles for electrochemical detection of DNA hybridization. <i>Analytica Chimica Acta</i> , 2004, 510, 169-174.	2.6	90
38	Single lymphocyte analysis with a microwell array chip. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007, 71A, 1003-1010.	1.1	90
39	Circumventing air bubbles in microfluidic systems and quantitative continuous-flow PCR applications. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1327-1333.	1.9	88
40	Transformation of <i>Saccharomyces cerevisiae</i> spheroplasts by high electric pulse. <i>FEBS Letters</i> , 1985, 182, 90-94.	1.3	87
41	Label-Free Electrochemical Immunoassay for the Detection of Human Chorionic Gonadotropin Hormone. <i>Analytical Chemistry</i> , 2006, 78, 5612-5616.	3.2	87
42	Integration of enzyme-immobilized column with electrochemical flow cell using micromachining techniques for a glucose detection system. <i>Analytical Chemistry</i> , 1993, 65, 2731-2735.	3.2	86
43	Escherichia coli single-strand binding protein?DNA interactions on carbon nanotube-modified electrodes from a label-free electrochemical hybridization sensor. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 1114-1121.	1.9	84
44	Highly sensitive quartz crystal immunosensors for multisample detection of herbicides. <i>Analytica Chimica Acta</i> , 1995, 304, 139-145.	2.6	83
45	Electrochemical DNA quantification based on aggregation induced by Hoechst 33258. <i>Electrochemistry Communications</i> , 2004, 6, 337-343.	2.3	83
46	A novel BOD sensor based on bacterial luminescence. <i>Biotechnology and Bioengineering</i> , 1993, 41, 1107-1111.	1.7	80
47	An electrochemical approach for detecting copper-chelating properties of flavonoids using disposable pencil graphite electrodes: Possible implications in copper-mediated illnesses. <i>Analytica Chimica Acta</i> , 2005, 538, 273-281.	2.6	79
48	Rapid detection for primary screening of influenza A virus: microfluidic RT-PCR chip and electrochemical DNA sensor. <i>Analyst</i> , 2011, 136, 2064.	1.7	79
49	Trends in Paper-based Electrochemical Biosensors: From Design to Application. <i>Analytical Sciences</i> , 2018, 34, 7-18.	0.8	79
50	A microsensor for urea based on an ion-selective field effect transistor. <i>Analytica Chimica Acta</i> , 1986, 185, 195-200.	2.6	77
51	Piezoelectric Crystal Biosensor System for Detection of Escherichia Coli. <i>Analytical Letters</i> , 1989, 22, 2155-2166.	1.0	77
52	Gold Nanoparticle-Based Redox Signal Enhancement for Sensitive Detection of Human Chorionic Gonadotropin Hormone. <i>Electroanalysis</i> , 2008, 20, 14-21.	1.5	77
53	Gold nanoparticle-based novel enhancement method for the development of highly sensitive immunochromatographic test strips. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 270-275.	2.8	74
54	An Interference Localized Surface Plasmon Resonance Biosensor Based on the Photonic Structure of Au Nanoparticles and SiO ₂ /Si Multilayers. <i>ACS Nano</i> , 2009, 3, 446-452.	7.3	74

#	ARTICLE	IF	CITATIONS
55	Semi-real time electrochemical monitoring for influenza virus RNA by reverse transcription loop-mediated isothermal amplification using a USB powered portable potentiostat. <i>Analyst, The</i> , 2011, 136, 5143.	1.7	74
56	A Compactly Integrated Flow Cell with a Chemiluminescent FIA System for Determining Lactate Concentration in Serum. <i>Analytical Chemistry</i> , 2001, 73, 373-378.	3.2	73
57	Label-free electrochemical detection of DNA hybridization on gold electrode. <i>Electrochemistry Communications</i> , 2003, 5, 887-891.	2.3	73
58	Application of on-chip cell cultures for the detection of allergic response. <i>Biosensors and Bioelectronics</i> , 2004, 19, 741-747.	5.3	73
59	Cell separation by an aqueous two-phase system in a microfluidic device. <i>Analyst, The</i> , 2009, 134, 1994.	1.7	73
60	Ultrasensitive Detection of DNA Hybridization Using Carbon Nanotube Field-Effect Transistors. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1558-L1560.	0.8	72
61	Electrochemical Genosensor Based on Peptide Nucleic Acid-Mediated PCR and Asymmetric PCR Techniques: Electrostatic Interactions with a Metal Cation. <i>Analytical Chemistry</i> , 2006, 78, 2182-2189.	3.2	72
62	Single-walled carbon nanotube-arrayed microelectrode chip for electrochemical analysis. <i>Electrochemistry Communications</i> , 2007, 9, 13-18.	2.3	72
63	Electrochemical genosensor for the rapid detection of GMO using loop-mediated isothermal amplification. <i>Analyst, The</i> , 2009, 134, 966.	1.7	71
64	Characterization of a new keratin-degrading bacterium isolated from deer fur. <i>Journal of Bioscience and Bioengineering</i> , 2002, 93, 595-600.	1.1	70
65	Label-free cell-based assay using localized surface plasmon resonance biosensor. <i>Analytica Chimica Acta</i> , 2008, 614, 182-189.	2.6	70
66	Highly Sensitive Elemental Analysis for Cd and Pb by Liquid Electrode Plasma Atomic Emission Spectrometry with Quartz Glass Chip and Sample Flow. <i>Analytical Chemistry</i> , 2011, 83, 9424-9430.	3.2	70
67	On-chip micro-flow polystyrene bead-based immunoassay for quantitative detection of tacrolimus (FK506). <i>Analytical Biochemistry</i> , 2004, 334, 111-116.	1.1	69
68	Plasmonic Properties of the Multispot Copper-Capped Nanoparticle Array Chip and Its Application to Optical Biosensors for Pathogen Detection of Multiplex DNAs. <i>Analytical Chemistry</i> , 2011, 83, 6215-6222.	3.2	69
69	Modified screen printed electrode for development of a highly sensitive label-free impedimetric immunosensor to detect amyloid beta peptides. <i>Analytica Chimica Acta</i> , 2015, 892, 69-76.	2.6	69
70	On-Chip Nanoliter-Volume Multiplex TaqMan Polymerase Chain Reaction from A Single Copy Based on Counting Fluorescence Released Microchambers. <i>Analytical Chemistry</i> , 2004, 76, 6434-6439.	3.2	67
71	Gold Nanoparticle-Based Surface-Enhanced Raman Scattering for Noninvasive Molecular Probing of Embryonic Stem Cell Differentiation. <i>PLoS ONE</i> , 2011, 6, e22802.	1.1	67
72	Estimation of maturity of compost from food wastes and agro-residues by multiple regression analysis. <i>Bioresource Technology</i> , 2006, 97, 1979-1985.	4.8	64

#	ARTICLE	IF	CITATIONS
73	Fabrication of an oxygen electrode using semiconductor technology. <i>Analytical Chemistry</i> , 1988, 60, 1078-1080.	3.2	63
74	Label-Free Electrical Sensing of Small-Molecule Inhibition on Tyrosine Phosphorylation. <i>Analytical Chemistry</i> , 2007, 79, 6881-6885.	3.2	63
75	Electrochemical DNA biosensor using a disposable electrochemical printed (DEP) chip for the detection of SNPs from unpurified PCR amplicons. <i>Analyst, The</i> , 2007, 132, 431.	1.7	63
76	Impact of New Quick Gold Nanoparticle-Based Cortisol Assay During Adrenal Vein Sampling for Primary Aldosteronism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 2554-2561.	1.8	63
77	A microsensor for adenosine-5â€²-triphosphate pH-sensitive field effect transistors. <i>Analytica Chimica Acta</i> , 1986, 187, 287-291.	2.6	62
78	A highly sensitive gold nanoparticle bioprobe based electrochemical immunosensor using screen printed graphene biochip. <i>RSC Advances</i> , 2014, 4, 58460-58466.	1.7	62
79	Rapid and onsite BOD sensing system using luminous bacterial cells-immobilized chip. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1345-1350.	5.3	61
80	Label-free optical detection of aptamerâ€”protein interactions using gold-capped oxide nanostructures. <i>Analytical Biochemistry</i> , 2008, 379, 1-7.	1.1	61
81	Self-propelled continuous-flow PCR in capillary-driven microfluidic device: Microfluidic behavior and DNA amplification. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 303-310.	4.0	61
82	DNA-Directed Attachment of Carbon Nanotubes for Enhanced Label-Free Electrochemical Detection of DNA Hybridization. <i>Electroanalysis</i> , 2004, 16, 1667-1672.	1.5	59
83	Label-Free Detection of Melittin Binding to a Membrane Using Electrochemical-Localized Surface Plasmon Resonance. <i>Analytical Chemistry</i> , 2008, 80, 1859-1864.	3.2	59
84	On-chip quantitative detection of pathogen genes by autonomous microfluidic PCR platform. <i>Biosensors and Bioelectronics</i> , 2015, 74, 725-730.	5.3	58
85	Development of acetylcholine sensor using carbon fiber (amperometric determination). <i>Biosensors and Bioelectronics</i> , 1991, 6, 675-680.	5.3	54
86	Fluorescence-based assay with enzyme amplification on a micro-flow immunosensor chip for monitoring coplanar polychlorinated biphenyls. <i>Analytica Chimica Acta</i> , 2005, 531, 7-13.	2.6	54
87	Ultramicro acetylcholine sensor based on an enzyme-modified carbon fibre electrode. <i>Analytica Chimica Acta</i> , 1991, 251, 129-134.	2.6	53
88	Label-free electrochemical detection of the phosphorylated and non-phosphorylated forms of peptides based on tyrosine oxidation. <i>Electrochemistry Communications</i> , 2007, 9, 976-980.	2.3	52
89	Interference Localized Surface Plasmon Resonance Nanosensor Tailored for the Detection of Specific Biomolecular Interactions. <i>Analytical Chemistry</i> , 2010, 82, 1221-1227.	3.2	52
90	Localized Surface Plasmon Resonance Detection of Biological Toxins Using Cell Surface Oligosaccharides on Glyco Chips. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4173-4180.	4.0	52

#	ARTICLE	IF	CITATIONS
91	Sensitive Detection of Glycated Albumin in Human Serum Albumin Using Electrochemiluminescence. <i>Analytical Chemistry</i> , 2017, 89, 5909-5915.	3.2	49
92	Kinetics of an amperometric glucose sensor with a soluble mediator. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 273, 107-117.	0.3	48
93	Micromachining Microcarrier-Based Biomolecular Encoding for Miniaturized and Multiplexed Immunoassay. <i>Analytical Chemistry</i> , 2003, 75, 4125-4131.	3.2	48
94	Peptide nucleic acid modified magnetic beads for intercalator based electrochemical detection of DNA hybridization. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 351-357.	2.8	47
95	Development of a compact high-density microbial hydrogen reactor for portable bio-fuel cell system. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 1484-1489.	3.8	47
96	Cold-active enzymes from cold-adapted bacteria. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1997, 74, 441-444.	0.8	46
97	Microbial-Fet Alcohol Sensor. <i>Analytical Letters</i> , 1987, 20, 81-96.	1.0	45
98	Development of a novel hand-held toluene gas sensor: Possible use in the prevention and control of sick building syndrome. <i>Measurement: Journal of the International Measurement Confederation</i> , 2006, 39, 490-496.	2.5	45
99	Gold-linked electrochemical immunoassay on single-walled carbon nanotube for highly sensitive detection of human chorionic gonadotropin hormone. <i>Biosensors and Bioelectronics</i> , 2013, 42, 592-597.	5.3	45
100	A Microfluidic Chip Based on Localized Surface Plasmon Resonance for Real-Time Monitoring of Antigen-Antibody Reactions. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1337.	0.8	44
101	Time-lapse Raman imaging of osteoblast differentiation. <i>Scientific Reports</i> , 2015, 5, 12529.	1.6	44
102	An optimal design method for preventing air bubbles in high-temperature microfluidic devices. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 457-464.	1.9	43
103	Field-deployable rapid multiple biosensing system for detection of chemical and biological warfare agents. <i>Microsystems and Nanoengineering</i> , 2018, 4, .	3.4	43
104	Isolation of a psychrotrophic bacterium from the organic residue of a water tank keeping rainbow trout and antibacterial effect of violet pigment produced from the strain. <i>Biochemical Engineering Journal</i> , 2002, 12, 79-86.	1.8	42
105	Effects of bis(2-ethylhexyl) phthalate and benzo[a]pyrene on the embryos of Japanese medaka (<i>Oryzias latipes</i>). <i>Journal of Applied Toxicology</i> , 2001, 21, 107-117.	1.0	42
106	Simultaneous Topographic and Fluorescence Imagings of Recombinant Bacterial Cells Containing a Green Fluorescent Protein Gene Detected by a Scanning Near-Field Optical/Atomic Force Microscope. <i>Analytical Chemistry</i> , 1997, 69, 3697-3701.	3.2	41
107	Isolation of a novel alkaline-induced laccase from <i>Flammulina velutipes</i> and its application for hair coloring. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 575-579.	1.1	41
108	Techniques for patterning and guidance of primary culture neurons on micro-electrode arrays. <i>Sensors and Actuators B: Chemical</i> , 2002, 83, 15-21.	4.0	40

#	ARTICLE	IF	CITATIONS
109	A Picoliter Chamber Array for Cell-Free Protein Synthesis. <i>Journal of Biochemistry</i> , 2004, 136, 149-154.	0.9	40
110	Amperometric needle-type glucose sensor based on a modified platinum electrode with diminished response to interfering materials. <i>Analytica Chimica Acta</i> , 1992, 265, 5-14.	2.6	39
111	Determination of trace amounts of sodium and lithium in zirconium dioxide (ZrO ₂) using liquid electrode plasma optical emission spectrometry. <i>Analytica Chimica Acta</i> , 2009, 634, 153-157.	2.6	39
112	Multisample Analysis Using an Array of Microreactors for an Alternating-Current Field-Enhanced Latex Immunoassay. <i>Analytical Chemistry</i> , 1994, 66, 778-781.	3.2	38
113	DNA Condensation Monitoring after Interaction with Hoechst 33258 by Atomic Force Microscopy and Fluorescence Spectroscopy. <i>Journal of Biochemistry</i> , 2004, 136, 813-823.	0.9	38
114	Rapid and Highly Sensitive Detection of Malaria-Infected Erythrocytes Using a Cell Microarray Chip. <i>PLoS ONE</i> , 2010, 5, e13179.	1.1	38
115	Rapid and sensitive visual detection of residual pesticides in food using acetylcholinesterase-based disposable membrane chips. <i>Food Control</i> , 2007, 18, 914-920.	2.8	37
116	Detection of influenza virus using a lateral flow immunoassay for amplified DNA by a microfluidic RT-PCR chip. <i>Analyst, The</i> , 2012, 137, 3422.	1.7	37
117	Novel Gold-Capped Nanopillars Imprinted on a Polymer Film for Highly Sensitive Plasmonic Biosensing. <i>Analytical Chemistry</i> , 2012, 84, 5494-5500.	3.2	37
118	Microbial BOD Sensor Utilizing Thermophilic Bacteria. <i>Analytical Letters</i> , 1989, 22, 791-801.	1.0	36
119	Electrochemical consideration on the optimum pH of bilirubin oxidase. <i>Analytical Biochemistry</i> , 2007, 370, 98-106.	1.1	36
120	Selective flow-injection determination of methanol in the presence of ethanol based on a multi-enzyme system with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1993, 280, 179-184.	2.6	35
121	A screening of phage displayed peptides for the recognition of fullerene (C ₆₀). <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 28, 185-190.	1.8	35
122	Non-invasive characterization of mouse embryonic stem cell derived cardiomyocytes based on the intensity variation in digital beating video. <i>Analyst, The</i> , 2010, 135, 1624.	1.7	35
123	Pulse immunoassay for <i>Candida albicans</i> . <i>Analytical Chemistry</i> , 1985, 57, 1998-2002.	3.2	34
124	Polyvinylbutyral resin membrane for enzyme immobilization to an isfet microbiosensor. <i>Journal of Molecular Catalysis</i> , 1986, 37, 133-139.	1.2	34
125	Nafion-coated carbon fiber for acetylcholine and choline sensors. <i>Electroanalysis</i> , 1993, 5, 17-22.	1.5	34
126	A rapid BOD sensing system using luminescent recombinants of <i>Escherichia coli</i> . <i>Biosensors and Bioelectronics</i> , 2003, 19, 115-121.	5.3	34

#	ARTICLE	IF	CITATIONS
127	Electroactive chitosan nanoparticles for the detection of single-nucleotide polymorphisms using peptide nucleic acids. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2759-2767.	1.9	34
128	Direct Electrochemical Oxidation of Cellulose: A Cellulose-Based Fuel Cell System. <i>Electroanalysis</i> , 2010, 22, 1688-1694.	1.5	34
129	Microbial electrode sensor for vitamin B12. <i>Analytica Chimica Acta</i> , 1987, 199, 93-97.	2.6	33
130	A Molecularly Imprinted Nicotine-Selective Polymer. <i>Analytical Letters</i> , 1996, 29, 2071-2078.	1.0	33
131	Ultra-rapid flow-through polymerase chain reaction microfluidics using vapor pressure. <i>Biosensors and Bioelectronics</i> , 2011, 27, 88-94.	5.3	33
132	Functionalized multi-walled carbon nanotubes as supporting matrix for enhanced ethanol oxidation on Pt-based catalysts. <i>Electrochemistry Communications</i> , 2011, 13, 746-749.	2.3	33
133	Amperometric alcohol sensor based on an immobilised bacteria cell membrane. <i>Analyst, The</i> , 1987, 112, 1747.	1.7	32
134	Micro-biosensors for clinical analyses. <i>Sensors and Actuators</i> , 1988, 15, 199-207.	1.8	32
135	Construction of amorphous silicon ISFET. <i>Sensors and Actuators</i> , 1989, 16, 55-65.	1.8	32
136	Alcohol sensor based on membrane-bound alcohol dehydrogenase. <i>Analytica Chimica Acta</i> , 1989, 218, 61-68.	2.6	32
137	Amperometric detection of alcohol in beer using a flow cell and immobilized alcohol dehydrogenase. <i>Analytical Chemistry</i> , 1991, 63, 2391-2393.	3.2	32
138	Effects of tamoxifen, 17 β -ethynylestradiol, flutamide, and methyltestosterone on plasma vitellogenin levels of male and female Japanese medaka (<i>Oryzias latipes</i>). <i>Environmental Toxicology and Pharmacology</i> , 2004, 17, 29-33.	2.0	32
139	Damage to and recovery of coastlines polluted with C-heavy oil spilled from the Nakhodka. <i>Water Research</i> , 2006, 40, 981-989.	5.3	32
140	Gold nanoparticle based immunochromatography using a resin modified micropipette tip for rapid and simple detection of human chorionic gonadotropin hormone and prostate-specific antigen. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 276-281.	2.8	32
141	Amperometric glucose biosensor manufactured by a printing technique. <i>Analytica Chimica Acta</i> , 1995, 304, 157-164.	2.6	31
142	A novel microbial sensor using luminous bacteria. <i>Biosensors and Bioelectronics</i> , 1992, 7, 273-277.	5.3	30
143	Micro-fet biosensors using polyvinylbutyral membrane. <i>Journal of Membrane Science</i> , 1989, 41, 291-303.	4.1	29
144	Spatial imaging of luciferase gene expression in transgenic fish. <i>Nucleic Acids Research</i> , 1990, 18, 1072-1072.	6.5	29

#	ARTICLE	IF	CITATIONS
145	Scanning near-field optical/atomic force microscopy for fluorescence imaging and spectroscopy of biomaterials in air and liquid: Observation of recombinant <i>Escherichia coli</i> with gene coding to green fluorescent protein. <i>Optical Review</i> , 1996, 3, 470-474.	1.2	29
146	An organic pollution sensor based on surface photovoltage. <i>Sensors and Actuators B: Chemical</i> , 1998, 53, 163-172.	4.0	29
147	Self-assembly of cholesterol-hydrotropic dendrimer conjugates into micelle-like structure: Preparation and hydrotropic solubilization of paclitaxel. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 452-456.	2.8	29
148	Detection of the Most Common Corneal Dystrophies Caused by BIGH3 Gene Point Mutations Using a Multispot Gold-Capped Nanoparticle Array Chip. <i>Analytical Chemistry</i> , 2010, 82, 1349-1357.	3.2	29
149	Chemically Regulated ROS Generation from Gold Nanoparticles for Enzyme-Free Electrochemiluminescent Immunosensing. <i>Analytical Chemistry</i> , 2018, 90, 5773-5780.	3.2	29
150	Photochemical energy conversion using immobilized blue-green algae. <i>Journal of Biotechnology</i> , 1986, 4, 73-80.	1.9	28
151	Atomic Force Microscope-Based Dissection of Human Metaphase Chromosomes and High Resolutional Imaging by Carbon Nanotube Tip. <i>Archives of Histology and Cytology</i> , 2002, 65, 473-479.	0.2	28
152	Peptide Nucleic Acid-Modified Carbon Nanotube Field-Effect Transistor for Ultra-Sensitive Real-Time Detection of DNA Hybridization. <i>Nanobiotechnology</i> , 2005, 1, 065-070.	1.2	28
153	A carbon nanotube structured biomimetic catalyst for polysaccharide degradation. <i>Chemical Communications</i> , 2011, 47, 7176.	2.2	28
154	Micro- and Nano-fabrication of Stimulus-responsive Polymer using Nanoimprint Lithography. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2011, 24, 63-70.	0.1	28
155	Micro-choline sensor for acetylcholinesterase determination. <i>Analytica Chimica Acta</i> , 1993, 281, 673-679.	2.6	27
156	On-chip capillary electrophoresis for alkaline phosphatase testing. <i>Biosensors and Bioelectronics</i> , 2001, 16, 1009-1014.	5.3	27
157	Multi-chamber PCR chip with simple liquid introduction utilizing the gas permeability of polydimethylsiloxane. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 284-290.	4.0	27
158	Development of biofuel cells based on gold nanoparticle decorated multi-walled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2011, 30, 204-210.	5.3	27
159	Single cell trapping and cell-cell interaction monitoring of cardiomyocytes in a designed microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 43-50.	4.0	27
160	Mediated glucose sensor using a cylindrical microelectrode. <i>Analytica Chimica Acta</i> , 1992, 263, 101-110.	2.6	26
161	An amperometric sensor for carbon dioxide based on immobilized bacteria utilizing carbon dioxide. <i>Analytica Chimica Acta</i> , 1987, 199, 85-91.	2.6	25
162	Micromachined electroporation system for transgenic fish. <i>Journal of Biotechnology</i> , 1994, 34, 35-42.	1.9	25

#	ARTICLE	IF	CITATIONS
163	Semi-real time imaging of the expression of a maize polyubiquitin promoter-GFP gene in transgenic rice. <i>Plant Science</i> , 1997, 124, 49-56.	1.7	25
164	Effect of alkylphenols on adult male medaka: plasma vitellogenin goes up to the level of estrous female. <i>Environmental Toxicology and Pharmacology</i> , 2003, 15, 33-36.	2.0	25
165	Carbon Nanotube Amperometric Chips with Pneumatic Micropumps. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 2064-2067.	0.8	25
166	Flexible conductometric sensor. <i>Analytical Chemistry</i> , 1993, 65, 3586-3590.	3.2	24
167	An electrochemical on-field sensor system for the detection of compost maturity. <i>Analytica Chimica Acta</i> , 2007, 581, 364-369.	2.6	24
168	Accurate Detection of Carcinoma Cells by Use of a Cell Microarray Chip. <i>PLoS ONE</i> , 2012, 7, e32370.	1.1	24
169	A novel biosensor using electrochemical surface plasmon resonance measurements. <i>Chemical Communications</i> , 2000, , 741-742.	2.2	23
170	Carbon-Based Nanomaterials in Biomass-Based Fuel-Fed Fuel Cells. <i>Sensors</i> , 2017, 17, 2587.	2.1	23
171	A biocompatible needle-type glucose sensor based on platinum-electroplated carbon electrode. <i>Applied Biochemistry and Biotechnology</i> , 1992, 36, 211-226.	1.4	22
172	Ultra micro glutamate sensor using platinized carbon-fiber electrode and integrated counter electrode. <i>Sensors and Actuators B: Chemical</i> , 1993, 10, 179-184.	4.0	22
173	Multianalyte immunoassay with self-assembled addressable microparticle array on a chip. <i>Analytical Biochemistry</i> , 2003, 318, 236-243.	1.1	22
174	Development of a compact stacked flatbed reactor with immobilized high-density bacteria for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 1593-1597.	3.8	22
175	Detection of Alzheimer's amyloid beta aggregation by capturing molecular trails of individual assemblies. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 725-728.	1.0	22
176	RNA aptamer-based optical nanostructured sensor for highly sensitive and label-free detection of antigen-antibody reactions. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2575-2581.	1.9	22
177	DEP-On-Go for Simultaneous Sensing of Multiple Heavy Metals Pollutants in Environmental Samples. <i>Sensors</i> , 2017, 17, 45.	2.1	22
178	Application of microbiological sensors in fermentation processes. <i>Analytica Chimica Acta</i> , 1988, 213, 69-77.	2.6	21
179	Performance of an Integrated Biosensor Composed of a Mediated and an Oxygen-Based Glucose Sensor Under Unknown Oxygen Tension. <i>Analytical Letters</i> , 1989, 22, 2949-2959.	1.0	21
180	Microbiosensors for acetylcholine and glucose. <i>Biosensors and Bioelectronics</i> , 1993, 8, 219-228.	5.3	21

#	ARTICLE	IF	CITATIONS
181	Development and application of a monoclonal antibody-based sandwich ELISA for quantification of Japanese medaka (<i>Oryzias latipes</i>) vitellogenin. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 132, 161-169.	1.3	21
182	Resin-based micropipette tip for immunochromatographic assays in urine samples. <i>Journal of Immunological Methods</i> , 2006, 312, 54-60.	0.6	21
183	Structural assembly effects of Pt nanoparticle-carbon nanotube-polyaniline nanocomposites on the enhancement of biohydrogen fuel cell performance. <i>Electrochimica Acta</i> , 2011, 56, 9875-9882.	2.6	21
184	Electrochemical detection of specific DNA and respiratory activity of <i>Escherichia coli</i> . <i>Electrochimica Acta</i> , 2012, 82, 132-136.	2.6	21
185	Electrochemiluminescence Based Enzymatic Urea Sensor Using Nanohybrid of Isoluminol-gold Nanoparticle-graphene Oxide Nanoribbons. <i>Electroanalysis</i> , 2017, 29, 938-943.	1.5	21
186	Continuous Asymmetric Reduction Of 4-Oxoisophorone By Thermophilic Bacteria Using A Hollow Fiber Reactor. <i>Biocatalysis</i> , 1987, 1, 77-86.	0.9	20
187	Ultramicro-H ₂ O ₂ Electrode for Fabrication of the in Vivo Biosensor. <i>Annals of the New York Academy of Sciences</i> , 1990, 613, 396-400.	1.8	20
188	Structural characterization of lipid A component of <i>Erwinia carotovora</i> lipopolysaccharide. <i>Archives of Microbiology</i> , 1992, 157, 311-318.	1.0	20
189	Biocompatible needle-type glucose sensor with potential for use in vivo. <i>Electroanalysis</i> , 1993, 5, 269-276.	1.5	20
190	Application of a Microchamber Array for DNA Amplification Using a Novel Dispensing Method.. <i>Archives of Histology and Cytology</i> , 2002, 65, 481-488.	0.2	20
191	Effects of bis(2-ethylhexyl) phthalate, $\hat{1}^3$ -hexachlorocyclohexane, and $17\hat{1}^2$ -estradiol on the fry stage of medaka (<i>Oryzias latipes</i>). <i>Environmental Toxicology and Pharmacology</i> , 2004, 18, 9-12.	2.0	20
192	Excitation of localized surface plasmon resonance using a core-shell structured nanoparticle layer substrate and its application for label-free detection of biomolecular interactions. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 215201.	0.7	20
193	A Rapid Sample Pretreatment Protocol: Improved Sensitivity in the Detection of a Low-abundant Serum Biomarker for Prostate Cancer. <i>Analytical Sciences</i> , 2007, 23, 1443-1446.	0.8	20
194	Pressure free nanoimprinting lithography using ladder-type HSQ material for LSPR biosensor chip. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 47-55.	4.0	20
195	Electrochemical Gene Detection Using Microelectrode Array on a DNA Chip. <i>Electrochemistry</i> , 2001, 69, 1013-1016.	0.6	20
196	Bioluminescence detection system of mutagen using firefly luciferase genes introduced in <i>Escherichia coli</i> lysogenic strain. <i>Analytical Chemistry</i> , 1992, 64, 1755-1759.	3.2	19
197	Quantitative Detection for <i>Porphyromonas gingivalis</i> in Tooth Pocket and Saliva by Portable Electrochemical DNA Sensor Linked with PCR. <i>Electroanalysis</i> , 2014, 26, 2686-2692.	1.5	19
198	Microbiosensors. <i>Journal of Biotechnology</i> , 1990, 15, 267-281.	1.9	18

#	ARTICLE	IF	CITATIONS
199	Mediated micro-glucose sensors using 2 $\frac{1}{4}$ m platinum electrodes. <i>Electroanalysis</i> , 1992, 4, 859-864.	1.5	18
200	Total urinary protein sensor based on a piezoelectric quartz crystal. <i>Analytica Chimica Acta</i> , 1994, 292, 65-70.	2.6	18
201	Micromachined electrochemical flow cell for biosensing. <i>Electroanalysis</i> , 1994, 6, 735-739.	1.5	18
202	Purification and characterization of a cold-active protease from psychrotrophic <i>Serratia marcescens</i> AP3801. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 1997, 74, 1377-1383.	0.8	18
203	Rapid sensing of antioxidant capacity based on electrochemiluminescence induced by electrochemically generated reactive oxygen species. <i>Electrochimica Acta</i> , 2016, 222, 580-586.	2.6	18
204	PEP-on-DEP: A competitive peptide-based disposable electrochemical aptasensor for renin diagnostics. <i>Biosensors and Bioelectronics</i> , 2016, 84, 120-125.	5.3	18
205	An ultra-sensitive label-free electrochemiluminescence CKMB immunosensor using a novel nanocomposite-modified printed electrode. <i>RSC Advances</i> , 2019, 9, 34283-34292.	1.7	18
206	Alcohol-FET sensor based on a complex cell membrane enzyme system. <i>Analytica Chimica Acta</i> , 1988, 207, 77-84.	2.6	17
207	Hypoxanthine sensor based on an amorphous silicon field-effect transistor. <i>Analytica Chimica Acta</i> , 1988, 215, 301-305.	2.6	17
208	Sulfate sensor using <i>Thiobacillus ferrooxidans</i> . <i>Analytica Chimica Acta</i> , 1997, 347, 275-280.	2.6	17
209	Deoxyribonucleic acid sensing device with 40-nm-gap-electrodes fabricated by low-cost conventional techniques. <i>Applied Physics Letters</i> , 2004, 85, 687-688.	1.5	17
210	Microfluidic and Label-Free Multi-Immunosensors Based on Carbon Nanotube Microelectrodes. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 06FJ02.	0.8	17
211	Fabrication and Characterization of Planar Screen-Printed Ag/AgCl Reference Electrode for Disposable Sensor Strip. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 097003.	0.8	17
212	A biohydrogen fuel cell using a conductive polymer nanocomposite based anode. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2509-2514.	5.3	17
213	Centrifugal microfluidic platform for single-cell level cardiomyocyte-based drug profiling and screening. <i>Lab on A Chip</i> , 2015, 15, 3572-3580.	3.1	17
214	A Microfluidic Platform for Single Cell Fluorometric Granzyme B Profiling. <i>Theranostics</i> , 2020, 10, 123-132.	4.6	17
215	Electrochemical DNA Biosensors: Protocols for Intercalator-Based Detection of Hybridization in Solution and at the Surface. <i>Methods in Molecular Biology</i> , 2009, 504, 99-113.	0.4	17
216	Immuno-FET sensor. <i>Journal of Molecular Catalysis</i> , 1989, 53, 285-292.	1.2	16

#	ARTICLE	IF	CITATIONS
217	Fluorescence polarization immunoassay employing immobilized antibody. <i>Biosensors and Bioelectronics</i> , 1991, 6, 501-505.	5.3	16
218	Microbial detection of toxic compounds utilizing recombinant DNA technology and bioluminescence. <i>Analytica Chimica Acta</i> , 1991, 244, 201-206.	2.6	16
219	Amperometric glucose sensor using silicon oxide deposited gold electrodes. <i>Electroanalysis</i> , 1991, 3, 469-475.	1.5	16
220	Application of micromachine techniques to biotechnological research. <i>Materials Science and Engineering C</i> , 2000, 12, 67-70.	3.8	16
221	Optimization of fluorescent cell-based assays for high-throughput analysis using microchamber array chip formats. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 343-349.	2.8	16
222	Label-free bioelectronic immunoassay for the detection of human telomerase reverse transcriptase in urine. <i>Journal of Electroanalytical Chemistry</i> , 2006, 596, 109-116.	1.9	16
223	Nanostructured biochip for label-free and real-time optical detection of polymerase chain reaction. <i>Analytica Chimica Acta</i> , 2010, 661, 111-116.	2.6	16
224	Enhancing catalytic performance of Pt-based electrodes with a noncovalent interaction-induced functionalized carbon nanotube-grafted matrix. <i>Journal of Materials Chemistry</i> , 2012, 22, 14705.	6.7	16
225	Versatile Micropatterning of Plasmonic Nanostructures by Visible Light Induced Electroless Silver Plating on Gold Nanoseeds. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23932-23940.	4.0	16
226	Carbon Dioxide Sensor Using Thermophilic Bacteria. <i>Analytical Letters</i> , 1988, 21, 1323-1336.	1.0	15
227	Inosine Sensor Based on an Amorphous Silicon Isfet. <i>Analytical Letters</i> , 1988, 21, 1785-1800.	1.0	15
228	Specific liquid DNA hybridization kinetics measured by fluorescence polarization. <i>Analytica Chimica Acta</i> , 1991, 244, 207-213.	2.6	15
229	Microfabrication of encoded microparticle array for multiplexed DNA hybridization detection. <i>Chemical Communications</i> , 2005, , 2448.	2.2	15
230	The study of Alzheimer's disease biomarkers. <i>Nanobiotechnology</i> , 2006, 2, 5-16.	1.2	15
231	Label-free Electrochemical Detection for Food Allergen using Screen Printed Carbon Electrode. <i>Electrochemistry</i> , 2008, 76, 606-609.	0.6	15
232	Real-Time Monitoring and Detection of Single-Cell Level Cytokine Secretion Using LSPR Technology. <i>Micromachines</i> , 2020, 11, 107.	1.4	15
233	Disposable amperometric CO ₂ sensor employing bacteria and a miniature oxygen electrode. <i>Electroanalysis</i> , 1991, 3, 53-57.	1.5	14
234	Novel electrochemical identification and semi quantification of bovine constituents in feedstuffs. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 263-269.	2.8	14

#	ARTICLE	IF	CITATIONS
235	Label-Free Optical Detection of Protein Antibody-Antigen Interaction on Au Capped Porous Anodic Alumina Layer Chip. Japanese Journal of Applied Physics, 2008, 47, 1351-1354.	0.8	14
236	Enhanced Electrochemiluminescence of N-(aminobutyl)-N-(ethylisoluminol) Functionalized Gold Nanoparticles by Graphene Oxide Nanoribbons. Electrochimica Acta, 2015, 180, 409-418.	2.6	14
237	Pulse immunoassay for human immunoglobulin G using antibody bound latex beads. Biosensors, 1987, 3, 139-146.	2.0	13
238	Glucose Sensor Based On an Amorphous Silicon Isfet. Analytical Letters, 1989, 22, 309-322.	1.0	13
239	A New enzymatic receptor to be used in a biosensor. Journal of Membrane Science, 1990, 49, 95-102.	4.1	13
240	Time-Resolved Fluorescence Receptor Assay for Benzodiazepines. Analytical Letters, 1993, 26, 1535-1545.	1.0	13
241	<i>In situ</i> Raman imaging of osteoblastic mineralization. Journal of Raman Spectroscopy, 2014, 45, 157-161.	1.2	13
242	Mesoporous poly(ethylene-co-vinyl alcohol) monolith captured with silver nanoparticles as a SERS substrate: facile fabrication and ultra-high sensitivity. RSC Advances, 2015, 5, 25777-25780.	1.7	13
243	Fabrication of a microbial carbon dioxide sensor using semiconductor fabrication techniques. Electroanalysis, 1989, 1, 305-309.	1.5	12
244	Development of a disposable miniature l-lysine sensor. Analytica Chimica Acta, 1990, 229, 197-203.	2.6	12
245	Sensitive bioluminescent detection of pesticides utilizing a membrane mutant of Escherichia coli and recombinant DNA technology. Analytica Chimica Acta, 1992, 257, 183-188.	2.6	12
246	Enzyme immunoassay by capillary electrophoresis with laser induced fluorescence detection. Analytica Chimica Acta, 1999, 399, 63-68.	2.6	12
247	Metal nanogap devices fabricated by conventional photolithography and their application to deoxyribose nucleic acid analysis. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 2937.	1.6	12
248	Highly Sensitive Method for Electrochemical Detection of Silver Nanoparticle Labels in Metalloimmunoassay with Preoxidation/Reduction Signal Enhancement. Electrochemistry, 2010, 78, 748-753.	0.6	12
249	Co-assembled conducting polymer for enhanced ethanol electrooxidation on Pt-based catalysts. Journal of Materials Chemistry, 2011, 21, 4068.	6.7	12
250	Label-Free Detection of Leptin Antibody-Antigen Interaction by Using LSPR-Based Optical Biosensor. Journal of Nanoscience and Nanotechnology, 2011, 11, 4188-4193.	0.9	12
251	A Practical Liquid Plug Flow-through Polymerase Chain-Reaction System Based on a Heat-Resistant Resin Chip. Analytical Sciences, 2011, 27, 225-230.	0.8	12
252	Centrifugation-Controlled Thermal Convection and Its Application to Rapid Microfluidic Polymerase Chain Reaction Devices. Analytical Chemistry, 2017, 89, 12797-12804.	3.2	12

#	ARTICLE	IF	CITATIONS
253	Cauliflower-Like Nanostructured Localized Surface Plasmon Resonance Biosensor Chip for Cytokine Detection. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1121-1126.	2.0	12
254	Ultramicrobiosensors for Monitoring of Neurotransmitters. <i>Annals of the New York Academy of Sciences</i> , 1992, 672, 272-277.	1.8	12
255	Enzyme-Linked Sensitive Fluorometric Imaging of Glutamate Release from Cerebral Neurons of Chick Embryos. <i>Journal of Biochemistry</i> , 2003, 134, 353-358.	0.9	11
256	A sensitive immunochromatographic assay using gold nanoparticles for the semiquantitative detection of prostate-specific antigen in serum. <i>Nanobiotechnology</i> , 2006, 2, 79-86.	1.2	11
257	AFM picking-up manipulation of the metaphase chromosome fragment by using the tweezers-type probe. <i>Ultramicroscopy</i> , 2008, 108, 847-854.	0.8	11
258	Discrimination of primitive endoderm in embryoid bodies by Raman microspectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1073-1081.	1.9	11
259	Electrochemically Modulated Surface-Enhanced Raman Spectra of Aminoglutethimide (AGI) on a Ag-Sputtered Electrode. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1579-1585.	2.0	11
260	Sensor for free fatty acids based on acyl coenzyme-a synthetase and acyl coenzyme-a oxidase. <i>Analytica Chimica Acta</i> , 1989, 220, 251-255.	2.6	10
261	Alternating current field enhanced latex immunoassay for human myoglobin as measured by image analysis. <i>Analytica Chimica Acta</i> , 1993, 282, 193-198.	2.6	10
262	Micro Creatinine Sensor Based on ISFET. <i>Electrochemistry</i> , 1996, 64, 1272-1273.	0.3	10
263	Multifunctional biocompatible membrane and its application to fabricate a miniaturized glucose sensor with potential for use in vivo. <i>Biomedical Microdevices</i> , 1999, 1, 155-166.	1.4	10
264	Characterization of thermostable native alkaline phosphatase from an aerobic hyperthermophilic archaeon, <i>Aeropyrum pernix</i> K1. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 107-112.	1.7	10
265	Hydrogen peroxide detection with a silver nanoparticle grating chip fabricated by plasmonic plating. <i>Analytical Methods</i> , 2019, 11, 2991-2995.	1.3	10
266	Towards On-site Determination of Secretory IgA in Artificial Saliva with Gold-Linked Electrochemical Immunoassay (GLEIA) Using Portable Potentiostat and Disposable Printed Electrode. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 1311-1320.	1.4	10
267	Microbiosensor Based on Silicon Fabrication Technology. <i>Annals of the New York Academy of Sciences</i> , 1987, 501, 256-264.	1.8	9
268	DNA cleavage based on high voltage electric pulse. <i>FEBS Letters</i> , 1988, 234, 357-361.	1.3	9
269	Integrated amino acid sensors for detection of L-glutamate, L-lysine, L-arginine, and L-histidine. <i>Electroanalysis</i> , 1994, 6, 299-304.	1.5	9
270	DNA molecules sticking on a vicinal Si(111) surface observed by noncontact atomic force microscopy. <i>Applied Surface Science</i> , 2002, 188, 474-480.	3.1	9

#	ARTICLE	IF	CITATIONS
271	Nanoscale Time-Lapse AFM Imaging in Solution for DNA Aggregation. <i>Nanobiotechnology</i> , 2005, 1, 361-368.	1.2	9
272	A new design of knife-edged AFM probe for chromosome precision manipulating. <i>Sensors and Actuators A: Physical</i> , 2006, 130-131, 616-624.	2.0	9
273	Electroanalytical Characterization of Adenosine Mono-, Di- and Triphosphate Oxidation on Carbon Electrode. <i>Analytical Letters</i> , 2008, 41, 2077-2087.	1.0	9
274	Single-Beam Optical Biosensing Based on Enzyme-Linked Laser Nanopolymerization of <i>o</i> -Phenylenediamine. <i>Analytical Chemistry</i> , 2012, 84, 9811-9817.	3.2	9
275	Rapid and Highly Sensitive Detection by a Real-time Polymerase Chain Reaction Using a Chip Coated with Its Reagents. <i>Analytical Sciences</i> , 2014, 30, 569-574.	0.8	9
276	Integrated Microbiosensors for Clinical Diagnosis. <i>Annals of the New York Academy of Sciences</i> , 1990, 613, 385-389.	1.8	8
277	Electrochemically mediated enzyme reaction of polyethyleneglycol-modified galactose oxidase in organic solvents. <i>Journal of Electroanalytical Chemistry</i> , 1997, 434, 217-224.	1.9	8
278	Accumulation of amplified target DNAs using thiol/biotin labeling, S1 nuclease, and ferrocene-streptavidin magnetic system and a direct detection of specific DNA signals with screen printed gold electrode. <i>Science and Technology of Advanced Materials</i> , 2007, 8, 323-330.	2.8	8
279	Optical trapping for the characterization of amyloid-beta aggregation kinetics. <i>Analyst, The</i> , 2011, 136, 4164.	1.7	8
280	Quenched Electrochemiluminescence Imaging using Electro-Generated Substrate for Sensitive Detection of Catalase as Potential Enzyme Reporter System. <i>Electrochimica Acta</i> , 2017, 240, 447-455.	2.6	8
281	Single Cell Receptor Analysis Aided by a Centrifugal Microfluidic Device for Immune Cells Profiling. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1834-1839.	2.0	8
282	Single Cell Analysis of Neutrophils NETs by Microscopic LSPR Imaging System. <i>Micromachines</i> , 2020, 11, 52.	1.4	8
283	Portable Electrochemical DNA Sensors Based on Gene Amplification Reactions to Screen and Identify Pathogen and SNPs. <i>Sensors</i> , 2022, 22, 1865.	2.1	8
284	Photoresponse of a reconstituted membrane containing bacteriorhodopsin observed by using an ion-selective field effect transistor. <i>Journal of Biotechnology</i> , 1989, 10, 127-134.	1.9	7
285	Electrocatalysis of nitrite reductase from <i>Alcaligenes faecalis</i> strain 6 mediated by native redox partner. <i>Electroanalysis</i> , 1992, 4, 771-776.	1.5	7
286	Electrochemical Monitoring of Plant Stress Responses. <i>Electroanalysis</i> , 2001, 13, 451-456.	1.5	7
287	Self-Assembled DNA-Conjugated Polymer for Novel DNA Chip. <i>Analytical Sciences</i> , 2003, 19, 177-179.	0.8	7
288	Selection and Properties for the Recognition of P19 Embryonic Carcinoma Stem Cells. <i>Biotechnology Progress</i> , 2006, 22, 974-978.	1.3	7

#	ARTICLE	IF	CITATIONS
289	Electrochemical characterization of a unique, "neutral"laccase from <i>Flammulina velutipes</i> . <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 159-167.	1.1	7
290	One-step nanoimprinted hybrid micro-/nano-structure for in situ protein detection of isolated cell array via localized surface plasmon resonance. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 03EC03.	0.8	7
291	Electrical stimulation of hybridoma cells producing monoclonal antibody to cAMP. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986, 889, 149-155.	1.9	6
292	Ultramicrobiosensors for Monitoring of Neurotransmitters. <i>Annals of the New York Academy of Sciences</i> , 1992, 672, 272-277.	1.8	6
293	Development of an eco-sensor for the continuous monitoring of environmental volatile organic chlorinated compounds. <i>Measurement Science and Technology</i> , 2002, 13, 1786-1792.	1.4	6
294	Design of Peptide that Recognizes Double-Stranded DNA.. <i>Analytical Sciences</i> , 2003, 19, 181-183.	0.8	6
295	<i>Microsystems Technology and Biosensing.</i> , 2008, 109, 285-350.		6
296	Immobilization of Gold Nanoparticles on Aluminum Oxide Nanoporous Structure for Highly Sensitive Plasmonic Sensing. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 06GM02.	0.8	6
297	Integrating reductive and synthetic approaches in biology using man-made cell-like compartments. <i>Scientific Reports</i> , 2015, 4, 4722.	1.6	6
298	Luminol-based electrochemiluminescent biosensors for highly sensitive medical diagnosis and rapid antioxidant detection. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 03EA05.	0.8	6
299	<i>Micro-fabrication of Biosensors.</i> , 1988, , 195-208.		6
300	Preparation of Enzyme Electrode Based on Self-assembly of Redox Active Polymer and Polyion Complex Formation. <i>Electrochemistry</i> , 2001, 69, 940-941.	0.6	6
301	Electrochemical Characterization of Galactose Oxidase Coupled with Ferrocene Derivatives. <i>Electrochemistry</i> , 1995, 63, 1179-1182.	0.3	6
302	Integrated Microbiosensors for Medical Use. <i>Annals of the New York Academy of Sciences</i> , 1988, 542, 470-479.	1.8	5
303	A Hybrid L-Tyrosine Sensor Using an Enzyme and A Bacterial Co2Sensor. <i>Analytical Letters</i> , 1989, 22, 15-24.	1.0	5
304	A Novel Immunoassay Based on Cascade Amplification System Using Lipopolysaccharide as a Label Compound. <i>Analytical Letters</i> , 1990, 23, 211-223.	1.0	5
305	Sensitive amplification immunoassay for human IgG and anti-human IgG by using an enzyme cascade system. <i>Analytica Chimica Acta</i> , 1990, 232, 267-271.	2.6	5
306	A rapid gel electrophoretic chip for serum cholesterol determination. <i>Analyst, The</i> , 2011, 136, 1826.	1.7	5

#	ARTICLE	IF	CITATIONS
307	Direct Energy Extraction from Brown Macroalgaeâ€Derived Alginate by Gold Nanoparticles on Functionalized Carbon Nanotubes. <i>ChemCatChem</i> , 2014, 6, 135-141.	1.8	5
308	Comprehensive interrogation of electrochemical reaction and energy conversion of a direct fucose fuel cell. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1481-1488.	1.2	5
309	Fabrication of Surfaceâ€enhanced Raman Spectroscopy (SERS) â€Active Electrodes by Silver Sputtering Deposition for Electrochemical SERS Analysis. <i>Electroanalysis</i> , 2018, 30, 1432-1437.	1.5	5
310	Electrochemiluminescence-based Monitoring of Activated Human Neutrophils Using Luminol Derivative Immobilized onto Screen-printed Electrodes. <i>Chemistry Letters</i> , 2018, 47, 1337-1340.	0.7	5
311	Utility of Centrifugation-Controlled Convective (C3) Flow for Rapid On-chip ELISA. <i>Scientific Reports</i> , 2019, 9, 20150.	1.6	5
312	Preparation and characteristics of organic thin membrane for biosensor. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , 1987, 1987, 2214-2221.	0.1	4
313	L-Glutamate production by protoplasts immobilized in carrageenan gel. <i>Journal of Biotechnology</i> , 1987, 6, 1-7.	1.9	4
314	Amperometric determination of free fatty acids by utilizing five sequential enzyme reactions. <i>Electroanalysis</i> , 1989, 1, 69-74.	1.5	4
315	Genetic transformation of <i>Trichosporon cutaneum</i> with a plasmid, pAN 7â€1, from filamentous fungi. <i>Biotechnology Letters</i> , 1998, 20, 851-855.	1.1	4
316	IR-FEL-induced green fluorescence protein (GFP) gene transfer into plant cell. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 483, 571-575.	0.7	4
317	Nanosopic imaging of human chromosomes via a scanning near-field optical/atomic-force microscopy (SNOAM). <i>Science and Technology of Advanced Materials</i> , 2003, 4, 61-67.	2.8	4
318	Label-Free Amperometric Biosensors Based on Single-Walled Carbon Nanotube Modified Microelectrodes. , 2006, , .		4
319	Construction of branched DNA for SNP determination on glass-chip using photochemical ligation. <i>Biochip Journal</i> , 2011, 5, 206-213.	2.5	4
320	Propitious Immobilization of Gold Nanoparticles on Poly(dimethylsiloxane) Substrate for Local Surface Plasmon Resonance Based Biosensor. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 037001.	0.8	4
321	A single cell gene detection using micro-tweezers and the microchamber polymerase chain reaction for the fetal DNA analysis. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 678-682.	4.0	4
322	Nanobiosensors and Nanobioanalyses: A Review. , 2015, , 3-20.		4
323	Photocatalytic alginate fuel cells for energy production and refining of macroalgae. <i>RSC Advances</i> , 2017, 7, 35613-35618.	1.7	4
324	Instant enumeration of total viable bacterial counts for food quality assurance using â€DEP-On-Goâ€™ sensor. <i>Analytical Methods</i> , 2018, 10, 1585-1592.	1.3	4

#	ARTICLE	IF	CITATIONS
325	Deskilled and Rapid Drug-Resistant Gene Detection by Centrifugal Force-Assisted Thermal Convection PCR Device. <i>Sensors</i> , 2021, 21, 1225.	2.1	4
326	Gold Nanocatalysts Towards Digital Sensing Probes with Electrochemiluminescence Based Micro Electrodes Array. <i>Electroanalysis</i> , 2022, 34, 8-14.	1.5	4
327	Electrochemical estimation of protoplast population. <i>Journal of Biotechnology</i> , 1984, 1, 197-204.	1.9	3
328	Direct electron transfer reaction of a blue protein from <i>Alcaligenes faecalis</i> strain 6. <i>Electroanalysis</i> , 1992, 4, 765-770.	1.5	3
329	Photosynthetic activity sensor for microalgae based on an oxygen electrode integrated with optical fibres. <i>Analytica Chimica Acta</i> , 1993, 276, 65-68.	2.6	3
330	Metabolism of Naphthalene in Bacterial Strains Isolated from Oil Well Soils.. <i>Journal of Japan Society on Water Environment</i> , 2000, 23, 731-736.	0.1	3
331	Synthesis and Analysis of Peptide Ligand for Biosensor Application Using Combinatorial Chemistry. <i>ACS Symposium Series</i> , 2002, , 210-219.	0.5	3
332	Development of AFM Tweezers for Manipulation of Nanometer Size Objects. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2005, 125, 448-453.	0.0	3
333	Nanosystems for Biosensing: Multianalyte Immunoassay on a Protein Chip. , 2005, 300, 369-382.		3
334	Detection of DNA Hybridization Properties Using Thermodynamic Method. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 509-512.	0.8	3
335	Polymer Size Effect on Shape and Position in DNA Trap by Electric and Hydrodynamic Force Fields. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5358.	0.8	3
336	Trapping probability analysis of a DNA trap using electric and hydrodrag force fields in tapered microchannels. <i>Physical Review E</i> , 2009, 79, 051902.	0.8	3
337	Conjugal Transformation and Transposon and Chemical Mutagenesis of Gram-Negative Selenate-Respiring <i>Citrobacter</i> sp. Strain JSA. <i>Current Microbiology</i> , 2009, 59, 88-94.	1.0	3
338	Digital Biodevice — Towards High Throughput Single Biomolecule and Single Cell Analyses —. <i>Bunseki Kagaku</i> , 2015, 64, 397-411.	0.1	3
339	Mobile/wearable electrochemical biosensors with printable electrodes. , 2015, , .		3
340	Electrochemical Gene Detection with PCR Chip. , 2001, , 334-337.		3
341	Propitious Immobilization of Gold Nanoparticles on Poly(dimethylsiloxane) Substrate for Local Surface Plasmon Resonance Based Biosensor. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 037001.	0.8	3
342	In Vitro Protein Synthesis on a High-Accumulated Microchamber Chip. , 2001, , 97-98.		3

#	ARTICLE	IF	CITATIONS
343	Fluorometric Cell Detection Method Using Complement-Mediated Cytolytic Reaction and Imaging Sensor System. <i>Analytical Letters</i> , 1987, 20, 337-348.	1.0	2
344	Characterization of immobilized urease membrane on silicon nitride layer. <i>Journal of Molecular Catalysis</i> , 1988, 43, 293-301.	1.2	2
345	Application of Novel Sensors for Bioprocess On-Line Monitoring to Dextran Fermentation.. <i>Kagaku Kogaku Ronbunshu</i> , 1991, 17, 559-564.	0.1	2
346	Rapid determination of plasmid-carrying yeast cells by using an imaging sensor system. <i>Biotechnology and Bioengineering</i> , 1991, 38, 1331-1336.	1.7	2
347	<title>Miniaturization of multifunctional biosensors with enzyme-immobilized beads</title>. , 1998, ,		2
348	Purification and Characterization of Cold-Active L-Glutamate Dehydrogenase Independent of NAD(P) and Oxygen. <i>Journal of Biochemistry</i> , 1999, 125, 760-769.	0.9	2
349	Evaluation of the Molecular Recognition of Peptide-Conjugated Polymer.. <i>Analytical Sciences</i> , 2003, 19, 185-187.	0.8	2
350	Early Detection of Environmental Pollutant Using Advanced Environmental Monitoring System. <i>Journal of Japan Society on Water Environment</i> , 2004, 27, 131-136.	0.1	2
351	Development of a novel DNA detection system for real-time detection of DNA hybridization. <i>Current Applied Physics</i> , 2006, 6, 669-674.	1.1	2
352	STUDY OF CO-ASSEMBLED CONDUCTING POLYMERS FOR ENHANCED ETHANOL ELECTRO-OXIDATION REACTION. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1446, 19.	0.1	2
353	Gold Nanostructure LSPR-Based Biosensors for Biomedical Diagnosis. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2013, , 171-188.	0.5	2
354	Optimization of Functionalized Carbon Nanotube Matrices for Enhanced Ethanol Oxidation Reaction. <i>Journal of the Electrochemical Society</i> , 2013, 160, G3062-G3068.	1.3	2
355	Optical microscopy imaging for the diagnosis of the pharmacological reaction of mouse embryonic stem cell-derived cardiomyocytes (mESC-CMs). <i>Analyst</i> , The, 2015, 140, 6500-6507.	1.7	2
356	Editorial: Translating the advances of biosensors from bench to bedside. <i>Biotechnology Journal</i> , 2016, 11, 727-728.	1.8	2
357	A New Type of LSPR Sensor Featuring Immobilized Liposome or Phospholipid Single Layer. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	2
358	SERS Active Hierarchical Nanopillar-huddle Array Fabricated via the Combination of Nanoimprint Lithography and Anodization. <i>Electrochemistry</i> , 2020, 88, 165-173.	0.6	2
359	Electric Pulse Accelerated Immunoassay. , 1987, , 293-307.		2
360	Development of a Needle Type Biosensor for analysis of sugars in fruits. , 1992, , 142-148.		2

#	ARTICLE	IF	CITATIONS
361	Electrochemical Study on Mediators Coupled with Galactose Oxidase. <i>Electrochemistry</i> , 1994, 62, 1258-1259.	0.3	2
362	Development of SAW Device Biosensor for Determination of Volatile Compounds. <i>Electrochemistry</i> , 1990, 58, 1107-1113.	0.3	2
363	Microbial Toxin Sensor System Using Bioluminescence. <i>Electrochemistry</i> , 1995, 63, 1134-1137.	0.3	2
364	Microchamber Array for Immunosensor Applications. , 2000, , 191-194.		2
365	Lipid Membrane Microarray with Discrete Chambers. , 2002, , 479-481.		2
366	In-vitro study of monocytic THP-1 leukemia cell membrane elasticity with a single-cell microfluidic-assisted optical trapping system. <i>Biomedical Optics Express</i> , 2020, 11, 6027.	1.5	2
367	Feasibility of a Novel Mobile C-Reactive Proteinâ€œTesting Device Using Gold-Linked Electrochemical Immunoassay: Clinical Performance Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e18782.	1.8	2
368	New cell fusion method using polymer membrane. <i>FEBS Letters</i> , 1984, 175, 13-15.	1.3	1
369	Tumor cell detection method using complement-mediated cytolytic reaction and imaging sensor system. <i>Applied Biochemistry and Biotechnology</i> , 1987, 15, 191-200.	1.4	1
370	Amplification immunoassay for the determination of Hepatitis B surface antigen. <i>Applied Biochemistry and Biotechnology</i> , 1991, 27, 259-265.	1.4	1
371	<title>Scanning near-field optical/atomic-force microscopy for biomedical applications</title>. , 1996, 2836, 12.		1
372	Micromachined Multifunctional Biosensor Array. <i>Annals of the New York Academy of Sciences</i> , 1998, 864, 544-547.	1.8	1
373	<title>Advanced imaging for DNA analysis based on scanning near-field optical/atomic-force microscopy (SNOAM)</title>. , 1999, 3607, 102.		1
374	<title>Scanning near-field optical/atomic-force microscope (SNOAM) for biomedical applications</title>. , 1999, 3607, 42.		1
375	Surface Photovoltage-Based Biosensor. , 2000, , 175-193.		1
376	<title>Advanced environmental monitoring system using ecosensor based on bilayer lipid membrane</title>. , 2002, , .		1
377	Development of an eco-sensor based on bilayer lipid membrane for the continuous monitoring of environmental pollutants. , 2004, 5270, 86.		1
378	Overview of the AEMS project. , 2004, , .		1

#	ARTICLE	IF	CITATIONS
379	Development of a novel chromosome dissection chip for chromosomal analysis with nanometer size. <i>Current Applied Physics</i> , 2006, 6, 663-668.	1.1	1
380	Nanomaterials based optical and electrochemical biosensors. , 2006, , .		1
381	Development of a Functional Chromosome Nano-Dissection System Using Porous Anodic Alumina Pattern Chip and Cantilever. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 2764-2767.	0.8	1
382	Study of DNA Amplification Efficiency Based on Temperature Analyses of the Moving Fluid in a Liquid-Plug Flow PCR System. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 1075-1081.	2.0	1
383	Feasibility study of paper-based surface enhanced Raman spectroscopy of tear fluids for onsite therapeutic drug monitoring. , 2014, , .		1
384	Non-invasive Video Image-based Analysis Method Coupled to Field Potential Recording for Evaluation of the Drug-induced Effect in Cardiac Tissue. <i>Electrochemistry</i> , 2016, 84, 283-289.	0.6	1
385	Micro-biosensors for Clinical and Food Analyses. , 1990, , 44-59.		1
386	Development of Cell Chip System for Cytological Analysis and Diagnosis. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2010, 130, 1795-1799.	0.1	1
387	Development of a Localized Electroporation System for Transgenic Medaka. <i>Electrochemistry</i> , 1995, 63, 1209-1210.	0.3	1
388	ãfžã,ã,ãfãfžã,ãf³æŠÈì“ãšãl/2œè£1/2ã-ãŸãfã,ã,ãã,ãf³ã,μ. <i>Electrochemistry</i> , 2000, 68, 294-297.	0.6	1
389	ULTRAMICRO-BIOSENSORS FOR MONITORING OF NEUROTRANSMITTERS. , 1993, , 279-288.		1
390	Catalytic Electrochemistry of Poly(ethylene glycol)-Modified Galactose Oxidase in Organic Solvents. <i>Electrochemistry</i> , 1997, 65, 477-478.	0.3	1
391	Au-Capped Nanopillar Immobilized with a Length-Controlled Glycopolymer for Immune-Related Protein Detection. <i>ACS Applied Bio Materials</i> , 2021, 4, 7913-7920.	2.3	1
392	Assembly of Glycochips with Mammalian GSLs Mimetics toward the On-site Detection of Biological Toxins. <i>ACS Omega</i> , 2021, 6, 32597-32606.	1.6	1
393	Determination of dextranase activity using enzyme sensor.. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , 1987, 1987, 512-517.	0.1	0
394	Monitoring of sweat lactate. , 1994, , 429-432.		0
395	<title>Optical biosensors for environmental monitoring</title>. , 1996, , .		0
396	Extracellular Proteinases from Extremophiles. <i>Annals of the New York Academy of Sciences</i> , 1998, 864, 300-304.	1.8	0

#	ARTICLE	IF	CITATIONS
415	Sensors. , 2009, 119, 231-250.		0
416	Nanomaterial-Based Label-Free Aptasensors. , 0, , 139-158.		0
417	Investigation for the differentiation process of mouse ES cells by Raman spectroscopy. Proceedings of SPIE, 2012, , .	0.8	0
418	Functionalized Carbon Nanotube Matrix for Inducing Noncovalent Interactions Toward Enhanced Catalytic Performance of Metallic Electrode. Materials Research Society Symposia Proceedings, 2013, 1549, 135-140.	0.1	0
419	Synthesis of Recombinant Mouse Crystallin Proteins and in Vitro Measurement of Their Refractivity. ACS Biomaterials Science and Engineering, 2017, 3, 502-508.	2.6	0
420	Modeling of Solid and Surface. , 2021, , 407-424.		0
421	Micro: An International Open Access Journal for All of Microscale and Nanoscale Science. Micro, 2021, 1, 1-2.	0.9	0
422	Near-Field Optics in Biology. Microtechnology and MEMS, 2003, , 83-119.	0.2	0
423	Detection of Microorganisms Using Microchip Devices. Japanese Journal of Food Microbiology, 2006, 23, 177-181.	0.3	0
424	Analysis of Cell Network Signal using Micro and Nano Technology. Hyomen Kagaku, 2007, 28, 211-217.	0.0	0
425	Development of Novel AFM Probes for Chromosome Manipulation. , 2007, , 15-30.		0
426	Microchamber Array-Based Sequence-Specific DNA Detection from a Single Chromosome via Trace Volume PCR. , 2007, , 31-42.		0
427	The Gene Detection Device for Medical Use. IEEJ Transactions on Sensors and Micromachines, 2012, 132, 365-370.	0.0	0
428	ãf>ã,ãf<ãfãf€ã,«ã€•ç™ç”ÿãf»ã^†ãCE-ã®è§£æ~Žã,’ã,ã-ã-ã†. Kobunshi, 1990, 39, 522-522.	0.0	0
429	Development of Microã€”Biosensors for Brain Research. , 1993, , 169-175.		0
430	Needle Type Biosensors for analysis of sugars. , 1994, , 437-440.		0
431	Urobilin measurement based on peroxyoxalate chemiluminescence. , 1994, , 433-436.		0
432	Electrochemical Biological Sensors Based on Directly Synthesized Carbon Nanotube Electrodes. , 2015, , 179-186.		0

#	ARTICLE	IF	CITATIONS
433	POCT electrochemical biosensors towards digital health. <i>Denki Kagaku</i> , 2020, 88, 299-304.	0.0	0