Osamu Niwa

List of Publications by Year
in descending order

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200	7,241	46918	76769
papers	citations	47 h-index	74 g-index

204	204	204	5955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative Evaluation of DNA Probe Density by Electrochemical Surface Plasmon Resonance Measurement. Sensors and Materials, 2022, 34, 927.	0.3	0
2	Response to: Risk Factors Affecting Cage Retropulsion into the Spinal Canal Following Posterior Lumbar Interbody Fusion: Association with Diffuse Idiopathic Skeletal Hyperostosis. Asian Spine Journal, 2022, 16, 309-310.	0.8	0
3	Nanocarbon film electrodes for electro-analysis and electrochemical sensors. Current Opinion in Electrochemistry, 2022, 35, 101045.	2.5	6
4	Development of a highly sensitive Prussian-blue-based enzymatic biosensor for l-carnitine employing the thiol/disulfide exchange reaction. Analytical Sciences, 2022, 38, 963-968.	0.8	3
5	Porous gold nanomesh films electrodeposited in toluene-based dynamic soft template. Electrochimica Acta, 2022, 426, 140761.	2.6	2
6	Vertically Oriented Metallic Heterodimer Array Semiembedded in Flat Conductive Carbon Film for Electrochemical Application. ACS Nano, 2022, 16, 10589-10599.	7.3	2
7	Electrochemical analysis of ferrocene in bicontinuous microemulsions using Î²- cyclodextrin modified monolayer graphene electrodes. Journal of Electroanalytical Chemistry, 2022, 920, 116575.	1.9	2
8	Supporting effects of a N-doped carbon film electrode on an electrodeposited Ni@Ni(OH)₂ coreâ€“shell nanocatalyst in accelerating electrocatalytic oxidation of oligosaccharides. RSC Advances, 2021, 11, 13311-13315.	1.7	5
9	Highly Sensitive Electrochemical Detection of Heavy Metal Ions Using Carbon Film-based Electrodes. Bunseki Kagaku, 2021, 70, 101-109.	0.1	1
10	The influence mechanism of the molecular structure on the peak current and peak potential in electrochemical detection of typical quinolone antibiotics. Physical Chemistry Chemical Physics, 2021, 23, 13873-13877.	1.3	7
11	Hybrid Carbon Film Electrodes for Electroanalysis. Analytical Sciences, 2021, 37, 37-47.	0.8	12
12	Structure and Electrochemical Properties of Nitrogen Containing Nanocarbon Films and Their Electroanalytical Application. Bunseki Kagaku, 2021, 70, 511-520.	0.1	0
13	Electrochemical enzyme biosensor for carnitine detection based on cathodic stripping voltammetry. Sensors and Actuators B: Chemical, 2020, 321, 128473.	4.0	9
14	Monolithic Au Nanoscale Films with Tunable Nanoporosity Prepared via Dynamic Soft Templating for Electrocatalytic Oxidation of Methanol. ACS Applied Nano Materials, 2020, 3, 7750-7760.	2.4	6
15	Stand-Alone Semi-Solid-State Electrochemical Systems Based on Bicontinuous Microemulsion Gel Films. Analytical Chemistry, 2020, 92, 14031-14037.	3.2	5
16	Activities of Daily Living after Surgical Treatment for Osteoporotic Vertebral Fracture with or without Diffuse Idiopathic Skeletal Hyperostosis: A Retrospective Single-Institutional Study. Asian Spine Journal, 2020, 14, 847-856.	0.8	0
17	Electrochemical performance at sputter-deposited nanocarbon film with different surface nitrogen-containing groups. Nanoscale, 2019, 11, 10239-10246.	2.8	10
18	Increased electrode activity during geosmin oxidation provided by Pt nanoparticle-embedded nanocarbon film. Nanoscale, 2019, 11, 8845-8854.	2.8	4

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19	Gas-phase Treatment Methods for Chemical Termination of Sputtered Nanocarbon Film Electrodes to Suppress Surface Fouling by Proteins. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 523-528.	0.1	6
20	Selective Au Electrodeposition on Au Nanoparticles Embedded in Carbon Film Electrode for Se(IV) Detection. Sensors and Materials, 2019, 31, 1135.	0.3	6
21	Chromatographic Determination of Sugar Probes Used for Gastrointestinal Permeability Test by Employing Nickelâ€Copper Nanoalloy Embedded in Carbon Film Electrodes. Electroanalysis, 2018, 30, 1407-1415.	1.5	6
22	Amplified Zinc Signal at a Nanocarbon Film Electrode for Lipopolysaccharide Detection. ACS Applied Nano Materials, 2018, 1, 5425-5429.	2.4	8
23	Nanocarbon Film Electrodes Can Expand the Possibility of Electroanalysis. Bunseki Kagaku, 2018, 67, 635-645.	0.1	0
24	On-Chip Evaluation of DNA Methylation with Electrochemical Combined Bisulfite Restriction Analysis Utilizing a Carbon Film Containing a Nanocrystalline Structure. Analytical Chemistry, 2017, 89, 5976-5982.	3.2	12
25	Properties of modified surface for biosensing interface. Journal of Colloid and Interface Science, 2017, 497, 309-316.	5.0	7
26	Prefaceâ€"JES Focus Issue on Biosensors and Micro-Nano Fabricated Electromechanical Systems. Journal of the Electrochemical Society, 2017, 164, Y5-Y5.	1.3	3
27	Label-Free Detection of Human Glycoprotein (CgA) Using an Extended-Gated Organic Transistor-Based Immunosensor. Sensors, 2016, 16, 2033.	2.1	29
28	The Use of an Enzyme-based Sensor Array to Fingerprint Proteomic Signatures of Sera from Different Mammalian Species. Analytical Sciences, 2016, 32, 237-240.	0.8	8
29	Artificial Modification of an Enzyme for Construction of Cross-Reactive Polyion Complexes To Fingerprint Signatures of Proteins and Mammalian Cells. Analytical Chemistry, 2016, 88, 9079-9086.	3.2	29
30	Microfluidic platforms for DNA methylation analysis. Lab on A Chip, 2016, 16, 3631-3644.	3.1	29
31	Electrochemistry in bicontinuous microemulsions based on control of dynamic solution structures on electrode surfaces. Current Opinion in Colloid and Interface Science, 2016, 25, 13-26.	3.4	25
32	Co-sputter deposited nickelâ€"copper bimetallic nanoalloy embedded carbon films for electrocatalytic biomarker detection. Nanoscale, 2016, 8, 12887-12891.	2.8	13
33	Fluorinated Nanocarbon Film Electrode Capable of Signal Amplification for Lipopolysaccharide Detection. Electrochimica Acta, 2016, 197, 152-158.	2.6	15
34	Au Nanoparticle-Embedded Carbon Films for Electrochemical As³⁺ Detection with High Sensitivity and Stability. Analytical Chemistry, 2016, 88, 2944-2951.	3.2	86
35	Selective nitrate detection by an enzymatic sensor based on an extended-gate type organic field-effect transistor. Biosensors and Bioelectronics, 2016, 81, 87-91.	5.3	73
36	Direct Analysis of Lipophilic Antioxidants of Olive Oils Using Bicontinuous Microemulsions. Analytical Chemistry, 2016, 88, 1202-1209.	3.2	13

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37	Effect of the sp2/sp3 Ratio in a Hybrid Nanocarbon Thin Film Electrode for Anodic Stripping Voltammetry Fabricated by Unbalanced Magnetron Sputtering Equipment. Analytical Sciences, 2015, 31, 635-641.	0.8	16
38	Structure and Electroanalytical Application of Nitrogen-doped Carbon Thin Film Electrode with Lower Nitrogen Concentration. Analytical Sciences, 2015, 31, 651-656.	0.8	11
39	An Organic Field-effect Transistor with an Extended-gate Electrode Capable of Detecting Human Immunoglobulin A. Analytical Sciences, 2015, 31, 725-728.	0.8	32
40	Influence of Contact Force on Electrochemical Responses of Redox Species Flowing in Nitrocellulose Membrane at Micropyramid Array Electrode. Analytical Sciences, 2015, 31, 729-732.	0.8	7
41	Simultaneous Electrochemical Analysis of Hydrophilic and Lipophilic Antioxidants in Bicontinuous Microemulsion. Analytical Chemistry, 2015, 87, 1489-1493.	3.2	26
42	A polyion complex sensor array for markerless and noninvasive identification of differentiated mesenchymal stem cells from human adipose tissue. Chemical Science, 2015, 6, 5831-5836.	3.7	31
43	Site-specific immunochemical methylation assessment from genome DNA utilizing a conformational difference between looped-out target and stacked-in nontarget methylcytosines. Biosensors and Bioelectronics, 2015, 70, 366-371.	5.3	16
44	On-Chip Sequence-Specific Immunochemical Epigenomic Analysis Utilizing Outward-Turned Cytosine in a DNA Bulge with Handheld Surface Plasmon Resonance Equipment. Analytical Chemistry, 2015, 87, 11581-11586.	3.2	34
45	Electrochemical assessment of local cytosine methylation in genomic DNA on a nanocarbon film electrode fabricated by unbalanced magnetron sputtering. Sensors and Actuators B: Chemical, 2015, 221, 816-822.	4.0	21
46	A Label-Free Immunosensor for IgG Based on an Extended-Gate Type Organic Field Effect Transistor. Materials, 2014, 7, 6843-6852.	1.3	53
47	Accurate and reproducible detection of proteins in water using an extended-gate type organic transistor biosensor. Applied Physics Letters, 2014, 104, .	1.5	85
48	Polyâ€Îµâ€Lysine Modified Nanocarbon Film Electrodes for LPS Detection. Electroanalysis, 2014, 26, 618-624.	1.5	12
49	Thick-matrix-free interface for highly effective protein detection and sufficient signal enhancement. Composite Interfaces, 2014, 21, 631-638.	1.3	0
50	Pdâ€“Ni Alloy Nanoparticle/Carbon Nanofiber Composites: Preparation, Structure, and Superior Electrocatalytic Properties for Sugar Analysis. Analytical Chemistry, 2014, 86, 5898-5905.	3.2	72
51	Pd_xCo_y Nanoparticle/Carbon Nanofiber Composites with Enhanced Electrocatalytic Properties. ACS Catalysis, 2014, 4, 1825-1829.	5.5	78
52	Structure and electrochemical characterization of carbon films formed by unbalanced magnetron (UBM) sputtering method. Diamond and Related Materials, 2014, 49, 25-32.	1.8	50
53	Cytochrome P450 Modified Polycrystalline Indium Tin Oxide Film as a Drug Metabolizing Electrochemical Biosensor with a Simple Configuration. Analytical Chemistry, 2013, 85, 9996-9999.	3.2	24
54	Structure and Electrochemical Performance of Nitrogen-Doped Carbon Film Formed by Electron Cyclotron Resonance Sputtering. Analytical Chemistry, 2013, 85, 9845-9851.	3.2	54

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55	Human cytochrome P450 3A4 and a carbon nanofiber modified film electrode as a platform for the simple evaluation of drug metabolism and inhibition reactions. Analyst, The, 2013, 138, 6463.	1.7	23
56	Indoor allergen assessment quantified by a thin-layer electrochemical cell and magnetic beads. Biosensors and Bioelectronics, 2013, 48, 43-48.	5.3	3
57	Surface Modification of Silicon Oxide with Trialkoxysilanes toward Close-Packed Monolayer Formation. Langmuir, 2013, 29, 6361-6368.	1.6	25
58	Design and Fabrication of Biosensing Interface for Waveguide-Mode Sensor. Langmuir, 2013, 29, 13111-13120.	1.6	21
59	‹scp›ONO‹/scp›â€2506 inhibits spikeâ€“wave discharges in a genetic animal model without affecting traditional convulsive tests via gliotransmission regulation. British Journal of Pharmacology, 2013, 168, 1088-1100.	2.7	61
60	Carbon-based Electrode Materials for DNA Electroanalysis. Analytical Sciences, 2013, 29, 385-392.	0.8	19
61	Improved Direct Electrochemistry for Proteins Adsorbed on a UV/Ozone-Treated Carbon Nanofiber Electrode. Analytical Sciences, 2013, 29, 611-618.	0.8	18
62	An sp2 and sp3 Hybrid Nanocrystalline Carbon Film Electrode for Anodic Stripping Voltammetry and Its Application for Electrochemical Immunoassay. Analytical Sciences, 2012, 28, 13-20.	0.8	9
63	DNA Methylation Analysis Triggered by Bulge Specific Immuno-Recognition. Analytical Chemistry, 2012, 84, 7533-7538.	3.2	38
64	Evaluation of Electrokinetic Parameters for All DNA Bases with Sputter Deposited Nanocarbon Film Electrode. Analytical Chemistry, 2012, 84, 10607-10613.	3.2	18
65	Electrochemical Surface Plasmon Resonance Measurement Based on Gold Nanohole Array Fabricated by Nanoimprinting Technique. Analytical Chemistry, 2012, 84, 3187-3191.	3.2	49
66	Design of Biomolecular Interface for Detecting Carbohydrate and Lectin Weak Interactions. Langmuir, 2012, 28, 1846-1851.	1.6	28
67	On-Chip Synthesis of RNA Aptamer Microarrays for Multiplexed Protein Biosensing with SPR Imaging Measurements. Langmuir, 2012, 28, 8281-8285.	1.6	45
68	Determination of DNA Methylation Using Electrochemiluminescence with Surface Accumulable Coreactant. Analytical Chemistry, 2012, 84, 1799-1803.	3.2	79
69	The Structure and Bonding State for Fullerene-Like Carbon Nitride Films with High Hardness Formed by Electron Cyclotron Resonance Plasma Sputtering. Japanese Journal of Applied Physics, 2012, 51, 125602.	0.8	5
70	Development of a mass-producible on-chip plasmonic nanohole array biosensor. Nanoscale, 2011, 3, 5067.	2.8	63
71	Efficient Direct Electron Transfer with Enzyme on a Nanostructured Carbon Film Fabricated with a Maskless Top-Down UV/Ozone Process. Journal of the American Chemical Society, 2011, 133, 4840-4846.	6.6	63
72	Electrochemical DNA Methylation Detection for Enzymatically Digested CpG Oligonucleotides. Analytical Chemistry, 2011, 83, 7595-7599.	3.2	89

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73	Bifunctional Tri(ethylene glycol) Alkanethiol Monolayer Modified Gold Electrode for On-Chip Electrochemical Immunoassay of pg Level Leptin. Analytical Sciences, 2011, 27, 465-469.	0.8	3
74	Electrochemical Determination of Oxidative Damaged DNA with High Sensitivity and Stability Using a Nanocarbon Film. Analytical Sciences, 2011, 27, 703.	0.8	30
75	Surface Modification of GC and HOPG with Diazonium, Amine, Azide, and Olefin Derivatives. Langmuir, 2011, 27, 170-178.	1.6	44
76	Development of a Sputtered Nanocarbon Film Based Microdisk Array Electrode for the Highly Stable Detection of Serotonin. Electroanalysis, 2011, 23, 827-831.	1.5	8
77	Enzymatically amplified electrochemical detection for lipopolysaccharide using ferrocene-attached polymyxin B and its analogue. Biosensors and Bioelectronics, 2011, 26, 2080-2084.	5.3	21
78	Synthesis and galectin-binding activities of mercaptododecyl glycosides containing a terminal Î²-galactosyl group. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1265-1269.	1.0	9
79	Suppression of Non-specific Adsorption Using Densified Tri(ethylene glycol) alkanethiols: Monolayer Characteristics Evaluated by Electrochemical Measurements. Analytical Sciences, 2010, 26, 33-37.	0.8	15
80	Direct electrochemical detection of DNA methylation for retinoblastoma and CpG fragments using a nanocarbon film. Analytical Biochemistry, 2010, 405, 59-66.	1.1	49
81	One-chip biosensor for simultaneous disease marker/calibration substance measurement in human urine by electrochemical surface plasmon resonance method. Biosensors and Bioelectronics, 2010, 26, 1536-1542.	5.3	17
82	One-Step Detection of Galectins on Hybrid Monolayer Surface with Protruding Lactoside. Analytical Chemistry, 2010, 82, 1175-1178.	3.2	22
83	Development of Electrogenerated Chemiluminescence-Based Enzyme Linked Immunosorbent Assay for Sub-pM Detection. Analytical Chemistry, 2010, 82, 1692-1697.	3.2	86
84	Synthesis of phosphorylcholineâ€“oligoethylene glycolâ€“alkane thiols and their suppressive effect on non-specific adsorption of proteins. Tetrahedron Letters, 2009, 50, 4092-4095.	0.7	27
85	Fabrication of electrochemically stable fluorinated nano-carbon film compared with other fluorinated carbon materials. Carbon, 2009, 47, 1943-1952.	5.4	48
86	Local Imaging of an Electrochemical Active/Inactive Region on a Conductive Carbon Surface by Using Scanning Electrochemical Microscopy. Analytical Sciences, 2009, 25, 645-651.	0.8	5
87	Surface Accumulable Coreactant for Bright Electrogenerated Chemiluminescence at Trace Level Concentrations. Chemistry Letters, 2009, 38, 804-805.	0.7	6
88	12-Mercaptododecyl Î²-maltoside-modified gold nanoparticles: specific ligands for concanavalin A having long flexible hydrocarbon chains. Analytical and Bioanalytical Chemistry, 2008, 391, 2527-2532.	1.9	22
89	Nanohybrid Carbon Film for Electrochemical Detection of SNPs without Hybridization or Labeling. Angewandte Chemie - International Edition, 2008, 47, 6681-6684.	7.2	79
90	Improved detection limit for an electrochemical Î³-aminobutyric acid sensor based on stable NADPH detection using an electron cyclotron resonance sputtered carbon film electrode. Sensors and Actuators B: Chemical, 2008, 129, 442-449.	4.0	30

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91	Enzyme immunoassay of insulin at picomolar levels based on the coulometric determination of hydrogen peroxide. Sensors and Actuators B: Chemical, 2008, 135, 304-308.	4.0	20
92	Controllable electrode activities of nano-carbon films while maintaining surface flatness by electrochemical pretreatment. Carbon, 2008, 46, 1918-1926.	5.4	58
93	A Nanocarbon Film Electrode as a Platform for Exploring DNA Methylation. Journal of the American Chemical Society, 2008, 130, 3716-3717.	6.6	163
94	Newly Developed Chemical Probes and Nano-Devices for Cellular Analysis. Analytical Sciences, 2008, 24, 55-66.	0.8	14
95	Comparison of Enzymatic Recycling Electrodes for Measuring Aminophenol: Development of a Highly Sensitive Natriuretic Peptide Assay System. Analytical Sciences, 2008, 24, 577-582.	0.8	10
96	Simultaneous On-chip Surface Plasmon Resonance Measurement of Disease Marker Protein and Small Metabolite Combined with Immuno- and Enzymatic Reactions. Chemistry Letters, 2008, 37, 698-699.	0.7	12
97	Characterization of a microfluidic device fabricated using a photosensitive sheet. Journal of Micromechanics and Microengineering, 2007, 17, 432-438.	1.5	13
98	Determination of Hydrogen Peroxide Based on the Charge Accumulation and Electrochemical Reduction at an Osmium Complex/Peroxidase-coated Electrode. Chemistry Letters, 2007, 36, 1148-1149.	0.7	11
99	Electrochemical Surface Plasmon Resonance Measurement in a Microliter Volume Flow Cell for Evaluating the Affinity and Catalytic Activity of Biomolecules. Analytical Chemistry, 2007, 79, 9572-9576.	3.2	19
100	Structure and Electrochemical Properties of Carbon Films Prepared by a Electron Cyclotron Resonance Sputtering Method. Analytical Chemistry, 2007, 79, 98-105.	3.2	93
101	Formation of Supramolecular Nanobelt Arrays Consisting of Cobalt(II) â€œPicket-Fenceâ€•Porphyrin on Au Surfaces. Langmuir, 2007, 23, 809-816.	1.6	32
102	Heavy Phosphate Adsorption on Amorphous ITO Film Electrodes:â€‰ Nano-Barrier Effect for Highly Selective Exclusion of Anionic Species. Langmuir, 2007, 23, 8400-8405.	1.6	15
103	New Advances in Nanomedicine: Diagnosis and Preventive Medicine. Medical Clinics of North America, 2007, 91, 871-879.	1.1	5
104	Electrochemically amplified detection for lipopolysaccharide using ferrocenylboronic acid. Biosensors and Bioelectronics, 2007, 22, 1527-1531.	5.3	44
105	Hydrogen bonding interaction between aminopurinethiol-monolayers and oligonucleotides by QCM and XPS measurements. Sensors and Actuators B: Chemical, 2007, 121, 214-218.	4.0	12
106	Electrochemical Performance of Angstrom Level Flat Sputtered Carbon Film Consisting of sp2and sp3Mixed Bonds. Journal of the American Chemical Society, 2006, 128, 7144-7145.	6.6	170
107	Fabrication and Characterization of a Nanometer-Sized Optical Fiber Electrode Based on Selective Chemical Etching for Scanning Electrochemical/Optical Microscopy. Analytical Chemistry, 2006, 78, 1904-1912.	3.2	52
108	On-Chip Enzyme Immunoassay of a Cardiac Marker Using a Microfluidic Device Combined with a Portable Surface Plasmon Resonance System. Analytical Chemistry, 2006, 78, 5525-5531.	3.2	156

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109	Measurement of DNA Amount on Gold Plate Based on the Oxidation Current of Guanine. Bunseki Kagaku, 2006, 55, 975-978.	0.1	1
110	2P276 Specific interactions between the carbohydrate on gold nanoparticles and lectins(40. Membrane) Tj ETQq0 0 0 rgBT /Overlock 10 S364.	0.0	0
111	Miniaturized one-chip electrochemical sensing device integrated with a dialysis membrane and double thin-layer flow channels for measuring blood samples. Biosensors and Bioelectronics, 2006, 21, 1649-1653.	5.3	49
112	Fabrication of High Performance Polymeric Microfluidic Device by a Simple Imprinting Method using a Photosensitive Sheet. Japanese Journal of Applied Physics, 2006, 45, L64-L67.	0.8	6
113	Imaging of flow pattern in micro flow channel using surface plasmon resonance. Measurement Science and Technology, 2006, 17, 3184-3188.	1.4	8
114	A Simple Method for Fabrication of Mesoporous Films Using a Rapid Heating Process. Chemistry Letters, 2005, 34, 328-329.	0.7	6
115	Selective Electrochemical Response of Dopamine against 3,4-Dihydroxyphenylacetic Acid at Bare Indiumâ€“Tin Oxide Electrode. Chemistry Letters, 2005, 34, 1120-1121.	0.7	21
116	Electroanalytical Chemistry with Carbon Film Electrodes and Micro and Nano-Structured Carbon Film-Based Electrodes. Bulletin of the Chemical Society of Japan, 2005, 78, 555-571.	2.0	55
117	Simultaneous determination of glucose and ascorbic acid by using gold electrode modified with ferrocenylundecanethiol monolayer. Sensors and Actuators B: Chemical, 2005, 108, 617-621.	4.0	14
118	Surface electrochemical enzyme immunoassay for the highly sensitive measurement of B-type natriureric peptide. Sensors and Actuators B: Chemical, 2005, 108, 603-607.	4.0	19
119	High benzene selectivity of mesoporous silicate for BTX gas sensing microfluidic devices. Analytical and Bioanalytical Chemistry, 2005, 382, 804-809.	1.9	21
120	Effect of the calcination temperature of self-ordered mesoporous silicate on its adsorption characteristics for aromatic hydrocarbons. New Journal of Chemistry, 2005, 29, 504.	1.4	10
121	Discriminative Detection of Volatile Sulfur Compound Mixtures with a Plasma-Polymerized Film-Based Sensor Array Installed in a Humidity-Control System. Analytical Chemistry, 2005, 77, 4228-4234.	3.2	17
122	Electrochemical Enzyme Immunoassay of a Peptide Hormone at Picomolar Levels. Analytical Chemistry, 2005, 77, 4235-4240.	3.2	53
123	Extremely intense Raman signals from single-walled carbon nanotubes suspended between Si nanopillars. Chemical Physics Letters, 2004, 386, 153-157.	1.2	34
124	Fiber-optic conical microsensors for surface plasmon resonance using chemically etched single-mode fiber. Analytica Chimica Acta, 2004, 523, 165-170.	2.6	96
125	Biocompatible glucose sensor prepared by modifying protein and vinylferrocene monomer composite membrane. Biosensors and Bioelectronics, 2004, 20, 518-523.	5.3	27
126	Portable automatic BTX measurement system with microfluidic device using mesoporous silicate adsorbent with nano-sized pores. Sensors and Actuators B: Chemical, 2003, 95, 282-286.	4.0	27

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127	Selective detection of l-glutamate using a microfluidic device integrated with an enzyme-modified pre-reactor and an electrochemical detector. Biosensors and Bioelectronics, 2003, 18, 1249-1255.	5.3	33
128	An Amperometric Detector Formed of Highly Dispersed Ni Nanoparticles Embedded in a Graphite-like Carbon Film Electrode for Sugar Determination. Analytical Chemistry, 2003, 75, 5191-5196.	3.2	195
129	Characterization of Platinum Nanoparticle-Embedded Carbon Film Electrode and Its Detection of Hydrogen Peroxide. Analytical Chemistry, 2003, 75, 2080-2085.	3.2	304
130	A surface plasmon resonance immunosensor for detecting a dioxin precursor using a gold binding polypeptide. Talanta, 2003, 60, 733-745.	2.9	77
131	Continuous Measurement of Glutamate and Hydrogen Peroxide Using a Microfabricated Biosensor for Studying the Neurotoxicity of Tributyltin. Analytical Sciences, 2003, 19, 1581-1585.	0.8	19
132	Measurements of Enzyme Film Thickness and Enzymatic Reaction by Surface Plasmon Resonance. IEEJ Transactions on Sensors and Micromachines, 2003, 123, 130-131.	0.0	0
133	Near-Field Fiber-Optic Chemical Microsensors. IEEJ Transactions on Sensors and Micromachines, 2003, 123, 132-133.	0.0	0
134	Development of Small Size Detector for Environmental Monitoring of VOC. IEEJ Transactions on Sensors and Micromachines, 2003, 123, 134-135.	0.0	0
135	Electrochemical Oxidation of Alkylphenols on ECR-Sputtered Carbon Film Electrodes with Flat Sub-nanometer Surfaces. Journal of the Electrochemical Society, 2002, 149, E479.	1.3	26
136	Co-Sputtered Thin Film Consisting of Platinum Nanoparticles Embedded in Graphite-Like Carbon and Its High Electrocatalytic Properties for Electroanalysis. Chemistry of Materials, 2002, 14, 4796-4799.	3.2	30
137	Air-Cooled Cold Trap Channel Integrated in a Microfluidic Device for Monitoring Airborne BTEX with an Improved Detection Limit. Analytical Chemistry, 2002, 74, 1712-1717.	3.2	34
138	Differential measurement with a microfluidic device for the highly selective continuous measurement of histamine released from rat basophilic leukemia cells (RBL-2H3). Lab on A Chip, 2002, 2, 34.	3.1	22
139	Application of an Absorption-Based Surface Plasmon Resonance Principle to the Development of SPR Ammonium Ion and Enzyme Sensors. Analytical Chemistry, 2002, 74, 6106-6110.	3.2	39
140	Real-Time Monitoring of Histamine Released from Rat Basophilic Leukemia (RBL-2H3) Cells with a Histamine Microsensor Using Recombinant Histamine Oxidase. Analytical Biochemistry, 2002, 304, 236-243.	1.1	30
141	Preparation of refractive index matching polymer film alternative to oil for use in a portable surface-plasmon resonance phenomenon-based chemical sensor method. Analytical and Bioanalytical Chemistry, 2002, 373, 222-226.	1.9	18
142	Imaging of electrochemical enzyme sensor on gold electrode using surface plasmon resonance. Biosensors and Bioelectronics, 2002, 17, 783-788.	5.3	34
143	Characterization and electrochemical properties of highly dispersed copper oxide/hydroxide nanoparticles in graphite-like carbon films prepared by RF sputtering method. Electrochemistry Communications, 2002, 4, 468-471.	2.3	80
144	Microfluidic device integrated with pre-reactor and dual enzyme-modified microelectrodes for monitoring in vivo glucose and lactate. Sensors and Actuators B: Chemical, 2002, 87, 296-303.	4.0	77

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145	Separate Detection of BTX Mixture Gas by a Microfluidic Device Using a Function of Nanosized Pores of Mesoporous Silica Adsorbent. Analytical Chemistry, 2002, 74, 5257-5262.	3.2	40
146	Microfluidic Device for Airborne BTEX Detection. Analytical Chemistry, 2001, 73, 4688-4693.	3.2	72
147	Detection of Electrochemical Enzymatic Reactions by Surface Plasmon Resonance Measurement. Analytical Chemistry, 2001, 73, 1595-1598.	3.2	119
148	Near-Infrared Raman Spectra of Azo Dye Produced by a Nitrogen-Dioxide-Gas-Selective Coloration Reaction in a Porous Glass Chip. Applied Spectroscopy, 2001, 55, 1151-1154.	1.2	4
149	Real-time multisite observation of glutamate release in rat hippocampal slices. Neuroscience Letters, 2001, 304, 112-116.	1.0	36
150	Improvement in signal reliability when measuring l-glutamate released from cultured cells using multi-channel microfabricated sensors. Analytica Chimica Acta, 2001, 441, 165-174.	2.6	22
151	Visible internal-reflection spectroscopy by polymer channel optical waveguide.. IEEJ Transactions on Fundamentals and Materials, 2001, 121, 654-659.	0.2	0
152	Electrochemical Surface Plasmon Resonance Measurement. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2000, 51, 558-562.	0.1	0
153	Miniaturized thin-layer radial flow cell with interdigitated ring-shaped microarray electrode used as amperometric detector for capillary electrophoresis. Journal of Chromatography A, 2000, 891, 149-156.	1.8	20
154	Continuous measurement of histamine from rat basophilic leukemia cells (RBL-2H3) with an on-line sensor using histamine oxidase. Sensors and Actuators B: Chemical, 2000, 67, 43-51.	4.0	32
155	Fabrication and electrochemical properties of an interdigitated array electrode in a microfabricated wall-jet cell. Sensors and Actuators B: Chemical, 2000, 71, 82-89.	4.0	40
156	Real-time electrochemical imaging using an individually addressable multi-channel electrode. Biosensors and Bioelectronics, 2000, 15, 523-529.	5.3	30
157	Subnanoliter Volume Wall-Jet Cells Combined with Interdigitated Microarray Electrode and Enzyme Modified Planar Microelectrode. Analytical Chemistry, 2000, 72, 949-955.	3.2	46
158	Carbon Film-Based Interdigitated Array Microelectrode Used in Capillary Electrophoresis with Electrochemical Detection. Analytical Chemistry, 2000, 72, 1315-1321.	3.2	47
159	NADH and glutamate on-line sensors using Os-gel-HRP/GC electrodes modified with NADH oxidase and glutamate dehydrogenase. Biosensors and Bioelectronics, 1999, 14, 631-638.	5.3	36
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