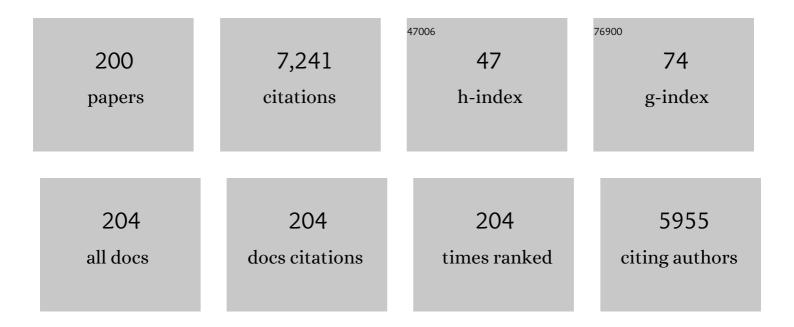
List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7504802/publications.pdf Version: 2024-02-01



#	Article	lF	CITATIONS
1	Characterization of Platinum Nanoparticle-Embedded Carbon Film Electrode and Its Detection of Hydrogen Peroxide. Analytical Chemistry, 2003, 75, 2080-2085.	6.5	304
2	Small-volume voltammetric detection of 4-aminophenol with interdigitated array electrodes and its application to electrochemical enzyme immunoassay. Analytical Chemistry, 1993, 65, 1559-1563.	6.5	293
3	Electrochemical behavior of reversible redox species at interdigitated array electrodes with different geometries: consideration of redox cycling and collection efficiency. Analytical Chemistry, 1990, 62, 447-452.	6.5	263
4	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.	6.5	195
5	Electrochemical Performance of Angstrom Level Flat Sputtered Carbon Film Consisting of sp2and sp3Mixed Bonds. Journal of the American Chemical Society, 2006, 128, 7144-7145.	13.7	170
6	A Nanocarbon Film Electrode as a Platform for Exploring DNA Methylation. Journal of the American Chemical Society, 2008, 130, 3716-3717.	13.7	163
7	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.	6.5	156
8	Detection of Electrochemical Enzymatic Reactions by Surface Plasmon Resonance Measurement. Analytical Chemistry, 2001, 73, 1595-1598.	6.5	119
9	Voltammetric measurements of reversible and quasi-reversible redox species using carbon film based interdigitated array microelectrodes. Analytical Chemistry, 1994, 66, 285-289.	6.5	100
10	Interdigitated array microelectrodes as electrochemical sensors. Electrochimica Acta, 1997, 42, 3177-3183.	5.2	99
11	Fiber-optic conical microsensors for surface plasmon resonance using chemically etched single-mode fiber. Analytica Chimica Acta, 2004, 523, 165-170.	5.4	96
12	Structure and Electrochemical Properties of Carbon Films Prepared by a Electron Cyclotron Resonance Sputtering Method. Analytical Chemistry, 2007, 79, 98-105.	6.5	93
13	Electrochemical DNA Methylation Detection for Enzymatically Digested CpG Oligonucleotides. Analytical Chemistry, 2011, 83, 7595-7599.	6.5	89
14	Concentration of Extracellularl-Glutamate Released from Cultured Nerve Cells Measured with a Small-Volume Online Sensor. Analytical Chemistry, 1996, 68, 1865-1870.	6.5	88
15	Development of Electrogenerated Chemiluminescence-Based Enzyme Linked Immunosorbent Assay for Sub-pM Detection. Analytical Chemistry, 2010, 82, 1692-1697.	6.5	86
16	Au Nanoparticle-Embedded Carbon Films for Electrochemical As ³⁺ Detection with High Sensitivity and Stability. Analytical Chemistry, 2016, 88, 2944-2951.	6.5	86
17	Accurate and reproducible detection of proteins in water using an extended-gate type organic transistor biosensor. Applied Physics Letters, 2014, 104, .	3.3	85
18	Electroanalysis with interdigitated array microelectrodes. Electroanalysis, 1995, 7, 606-613.	2.9	81

#	Article	IF	CITATIONS
19	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.	4.7	80
20	Nanohybrid Carbon Film for Electrochemical Detection of SNPs without Hybridization or Labeling. Angewandte Chemie - International Edition, 2008, 47, 6681-6684.	13.8	79
21	Determination of DNA Methylation Using Electrochemiluminescence with Surface Accumulable Coreactant. Analytical Chemistry, 2012, 84, 1799-1803.	6.5	79
22	Pd _{<i>x</i>} Co _{<i>y</i>} Nanoparticle/Carbon Nanofiber Composites with Enhanced Electrocatalytic Properties. ACS Catalysis, 2014, 4, 1825-1829.	11.2	78
23	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.	7.8	77
24	A surface plasmon resonance immunosensor for detecting a dioxin precursor using a gold binding polypeptide. Talanta, 2003, 60, 733-745.	5.5	77
25	Anisotropic conductivity of polypyrrole-polyvinylchloride conducting polymer alloy film prepared on patterned electrode. Synthetic Metals, 1987, 18, 677-682.	3.9	73
26	Selective nitrate detection by an enzymatic sensor based on an extended-gate type organic field-effect transistor. Biosensors and Bioelectronics, 2016, 81, 87-91.	10.1	73
27	Microfluidic Device for Airborne BTEX Detection. Analytical Chemistry, 2001, 73, 4688-4693.	6.5	72
28	Pd–Ni Alloy Nanoparticle/Carbon Nanofiber Composites: Preparation, Structure, and Superior Electrocatalytic Properties for Sugar Analysis. Analytical Chemistry, 2014, 86, 5898-5905.	6.5	72
29	Highly sensitive and selective voltammetric detection of dopamine with vertically separated interdigitated array electrodes. Electroanalysis, 1991, 3, 163-168.	2.9	69
30	Small-Volume On-Line Sensor for Continuous Measurement of Î ³ -Aminobutyric Acid. Analytical Chemistry, 1998, 70, 89-93.	6.5	64
31	Development of a mass-producible on-chip plasmonic nanohole array biosensor. Nanoscale, 2011, 3, 5067.	5.6	63
32	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.	13.7	63
33	On-Line Electrochemical Sensor for Selective Continuous Measurement of Acetylcholine in Cultured Brain Tissue. Analytical Chemistry, 1998, 70, 1126-1132.	6.5	62
34	<scp>ONO</scp> â€2506 inhibits spike–wave discharges in a genetic animal model without affecting traditional convulsive tests via gliotransmission regulation. British Journal of Pharmacology, 2013, 168, 1088-1100.	5.4	61
35	Controllable electrode activities of nano-carbon films while maintaining surface flatness by electrochemical pretreatment. Carbon, 2008, 46, 1918-1926.	10.3	58
36	Subfemtomole Detection of Catecholamine with Interdigitated Array Carbon Microelectrodes in HPLC. Analytical Chemistry, 1994, 66, 3500-3502.	6.5	56

#	Article	IF	CITATIONS
37	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.	3.2	55
38	Structure and Electrochemical Performance of Nitrogen-Doped Carbon Film Formed by Electron Cyclotron Resonance Sputtering. Analytical Chemistry, 2013, 85, 9845-9851.	6.5	54
39	Electrochemical Enzyme Immunoassay of a Peptide Hormone at Picomolar Levels. Analytical Chemistry, 2005, 77, 4235-4240.	6.5	53
40	A Label-Free Immunosensor for IgG Based on an Extended-Gate Type Organic Field Effect Transistor. Materials, 2014, 7, 6843-6852.	2.9	53
41	Highly selective electrochemical detection of dopamine using interdigitated array electrodes modified with nafion/polyester lonomer layered film. Electroanalysis, 1994, 6, 237-243.	2.9	52
42	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.	6.5	52
43	Continuous monitoring of L-glutamate released from cultured nerve cells by an online sensor coupled with micro-capillary sampling. Biosensors and Bioelectronics, 1997, 12, 311-319.	10.1	51
44	Structure and electrochemical characterization of carbon films formed by unbalanced magnetron (UBM) sputtering method. Diamond and Related Materials, 2014, 49, 25-32.	3.9	50
45	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.	10.1	49
46	Direct electrochemical detection of DNA methylation for retinoblastoma and CpG fragments using a nanocarbon film. Analytical Biochemistry, 2010, 405, 59-66.	2.4	49
47	Electrochemical Surface Plasmon Resonance Measurement Based on Gold Nanohole Array Fabricated by Nanoimprinting Technique. Analytical Chemistry, 2012, 84, 3187-3191.	6.5	49
48	Improved detection limit for catecholamines using liquid chromatography-electrochemistry with a carbon interdigitated array microelectrode. Biomedical Applications, 1995, 670, 21-28.	1.7	48
49	Fabrication of electrochemically stable fluorinated nano-carbon film compared with other fluorinated carbon materials. Carbon, 2009, 47, 1943-1952.	10.3	48
50	Carbon Film-Based Interdigitated Array Microelectrode Used in Capillary Electrophoresis with Electrochemical Detection. Analytical Chemistry, 2000, 72, 1315-1321.	6.5	47
51	Determination of acetylcholine and choline with platinum-black ultramicroarray electrodes using liquid chromatography with a post-column enzyme reactor. Analytica Chimica Acta, 1996, 318, 167-173.	5.4	46
52	Subnanoliter Volume Wall-Jet Cells Combined with Interdigitated Microarray Electrode and Enzyme Modified Planar Microelectrode. Analytical Chemistry, 2000, 72, 949-955.	6.5	46
53	Time differential surface plasmon resonance measurements applied for electrochemical analysis. Electroanalysis, 1997, 9, 1239-1241.	2.9	45
54	On-Chip Synthesis of RNA Aptamer Microarrays for Multiplexed Protein Biosensing with SPR Imaging Measurements. Langmuir, 2012, 28, 8281-8285.	3.5	45

#	Article	IF	CITATIONS
55	Polypyrrole-based conducting polymer alloy films: physical properties and film morphology. Macromolecules, 1987, 20, 749-753.	4.8	44
56	Electrochemically amplified detection for lipopolysaccharide using ferrocenylboronic acid. Biosensors and Bioelectronics, 2007, 22, 1527-1531.	10.1	44
57	Surface Modification of GC and HOPG with Diazonium, Amine, Azide, and Olefin Derivatives. Langmuir, 2011, 27, 170-178.	3.5	44
58	Carbon Film-Based Interdigitated Ring Array Electrodes as Detectors in Radial Flow Cells. Analytical Chemistry, 1996, 68, 355-359.	6.5	42
59	Evidence for laser action driven by electrochemiluminescence. Nature, 1998, 394, 659-661.	27.8	41
60	Analysis of electrochemical processes using surface plasmon resonance. Sensors and Actuators B: Chemical, 1998, 50, 145-148.	7.8	40
61	Fabrication and electrochemical properties of an interdigitated array electrode in a microfabricated wall-jet cell. Sensors and Actuators B: Chemical, 2000, 71, 82-89.	7.8	40
62	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.	6.5	40
63	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.	6.5	39
64	DNA Methylation Analysis Triggered by Bulge Specific Immuno-Recognition. Analytical Chemistry, 2012, 84, 7533-7538.	6.5	38
65	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.	10.1	36
66	Real-time multisite observation of glutamate release in rat hippocampal slices. Neuroscience Letters, 2001, 304, 112-116.	2.1	36
67	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.	6.5	34
68	Imaging of electrochemical enzyme sensor on gold electrode using surface plasmon resonance. Biosensors and Bioelectronics, 2002, 17, 783-788.	10.1	34
69	Extremely intense Raman signals from single-walled carbon nanotubes suspended between Si nanopillars. Chemical Physics Letters, 2004, 386, 153-157.	2.6	34
70	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.	6.5	34
71	PHOTOINDUCED ION PERMEATION THROUGH TERNARY COMPOSITE MEMBRANE COMPOSED OF POLYMER/LIQUID CRYSTAL/AZOBENZENE-BRIDGED CROWN ETHER. Chemistry Letters, 1983, 12, 1327-1330.	1.3	33
72	Mechanical Properties of Flexible Polypyrrole-Based Conducting Polymer Alloy Films. Polymer Journal, 1987, 19, 1293-1301.	2.7	33

#	Article	IF	CITATIONS
73	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.	10.1	33
74	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.	7.8	32
75	Formation of Supramolecular Nanobelt Arrays Consisting of Cobalt(II) "Picket-Fence―Porphyrin on Au Surfaces. Langmuir, 2007, 23, 809-816.	3.5	32
76	An Organic Field-effect Transistor with an Extended-gate Electrode Capable of Detecting Human Immunoglobulin A. Analytical Sciences, 2015, 31, 725-728.	1.6	32
77	Stripping voltammetry of reversible redox species by self-induced redox cycling. Analytical Chemistry, 1992, 64, 3206-3208.	6.5	31
78	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.	7.4	31
79	Nickel content dependence of electrochemical behavior of carbohydrates on a titanium–nickel alloy electrode and its application to a liquid chromatography detector. Journal of Chromatography A, 1999, 837, 17-24.	3.7	30
80	Real-time electrochemical imaging using an individually addressable multi-channel electrode. Biosensors and Bioelectronics, 2000, 15, 523-529.	10.1	30
81	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.	6.7	30
82	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.	2.4	30
83	Improved detection limit for an electrochemical γ-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.	7.8	30
84	Electrochemical Determination of Oxidative Damaged DNA with High Sensitivity and Stability Using a Nanocarbon Film. Analytical Sciences, 2011, 27, 703.	1.6	30
85	Label-Free Detection of Human Glycoprotein (CgA) Using an Extended-Gated Organic Transistor-Based Immunosensor. Sensors, 2016, 16, 2033.	3.8	29
86	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.	6.5	29
87	Microfluidic platforms for DNA methylation analysis. Lab on A Chip, 2016, 16, 3631-3644.	6.0	29
88	Limiting Current Enhancement by Selfâ€Induced Redox Cycling on a Microâ€Macro Twin Electrode. Journal of the Electrochemical Society, 1991, 138, 3549-3553.	2.9	28
89	Microfabricated On-Line Sensor for Continuous Monitoring of L-Glutamate Analytical Sciences, 1998, 14, 947-953.	1.6	28
90	Design of Biomolecular Interface for Detecting Carbohydrate and Lectin Weak Interactions. Langmuir, 2012, 28, 1846-1851.	3.5	28

#	Article	IF	CITATIONS
91	Polymerâ€polypyrrole alloy films as semitransparent organic conductors. Applied Physics Letters, 1985, 46, 444-446.	3.3	27
92	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.	7.8	27
93	Biocompatible glucose sensor prepared by modifying protein and vinylferrocene monomer composite membrane. Biosensors and Bioelectronics, 2004, 20, 518-523.	10.1	27
94	Synthesis of phosphorylcholine–oligoethylene glycol–alkane thiols and their suppressive effect on non-specific adsorption of proteins. Tetrahedron Letters, 2009, 50, 4092-4095.	1.4	27
95	Electrochemical Oxidation of Alkylphenols on ECR-Sputtered Carbon Film Electrodes with Flat Sub-nanometer Surfaces. Journal of the Electrochemical Society, 2002, 149, E479.	2.9	26
96	Simultaneous Electrochemical Analysis of Hydrophilic and Lipophilic Antioxidants in Bicontinuous Microemulsion. Analytical Chemistry, 2015, 87, 1489-1493.	6.5	26
97	Electrical properties of poly(vinyl chloride)-polypyrrole conductive polymer alloy films. Die Makromolekulare Chemie Rapid Communications, 1985, 6, 375-379.	1.1	25
98	Surface Modification of Silicon Oxide with Trialkoxysilanes toward Close-Packed Monolayer Formation. Langmuir, 2013, 29, 6361-6368.	3.5	25
99	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.	7.4	25
100	Cytochrome P450 Modified Polycrystalline Indium Tin Oxide Film as a Drug Metabolizing Electrochemical Biosensor with a Simple Configuration. Analytical Chemistry, 2013, 85, 9996-9999.	6.5	24
101	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.	3.5	23
102	Photoresponsive Permeation Characteristics of a Ternary Composite Membrane of Polymer/Artificial Lipid/Azobenzene Derivative. Polymer Journal, 1984, 16, 461-470.	2.7	23
103	Improvement in signal reliability when measuring l-glutamate released from cultured cells using multi-channel microfabricated sensors. Analytica Chimica Acta, 2001, 441, 165-174.	5.4	22
104	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.	6.0	22
105	12-Mercaptododecyl β-maltoside-modified gold nanoparticles: specific ligands for concanavalin A having long flexible hydrocarbon chains. Analytical and Bioanalytical Chemistry, 2008, 391, 2527-2532.	3.7	22
106	One-Step Detection of Galectins on Hybrid Monolayer Surface with Protruding Lactoside. Analytical Chemistry, 2010, 82, 1175-1178.	6.5	22
107	Patterning of Conductive Polypyrrole in Polymer Film. Japanese Journal of Applied Physics, 1985, 24, L79-L81.	1.5	21
108	Selective Electrochemical Response of Dopamine against 3,4-Dihydroxyphenylacetic Acid at Bare Indium–Tin Oxide Electrode. Chemistry Letters, 2005, 34, 1120-1121.	1.3	21

#	Article	IF	CITATIONS
109	High benzene selectivity of mesoporous silicate for BTX gas sensing microfluidic devices. Analytical and Bioanalytical Chemistry, 2005, 382, 804-809.	3.7	21
110	Enzymatically amplified electrochemical detection for lipopolysaccharide using ferrocene-attached polymyxin B and its analogue. Biosensors and Bioelectronics, 2011, 26, 2080-2084.	10.1	21
111	Design and Fabrication of Biosensing Interface for Waveguide-Mode Sensor. Langmuir, 2013, 29, 13111-13120.	3.5	21
112	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.	7.8	21
113	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.	3.7	20
114	Enzyme immunoassay of insulin at picomolar levels based on the coulometric determination of hydrogen peroxide. Sensors and Actuators B: Chemical, 2008, 135, 304-308.	7.8	20
115	Real-time detection of GABA-induced synaptic glutamate release in cultured rat cortex. NeuroReport, 1997, 8, 1353-1357.	1.2	19
116	Continuous Measurement of Glutamate and Hydrogen Peroxide Using a Microfabricated Biosensor for Studying the Neurotoxicity of Tributyltin. Analytical Sciences, 2003, 19, 1581-1585.	1.6	19
117	Surface electrochemical enzyme immunoassay for the highly sensitive measurement of B-type natriureric peptide. Sensors and Actuators B: Chemical, 2005, 108, 603-607.	7.8	19
118	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.	6.5	19
119	Carbon-based Electrode Materials for DNA Electroanalysis. Analytical Sciences, 2013, 29, 385-392.	1.6	19
120	On-line flow sensor for measuring acetylcholine combined with microdialysis sampling probe. Electroanalysis, 1997, 9, 912-916.	2.9	18
121	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.	3.7	18
122	Evaluation of Electrokinetic Parameters for All DNA Bases with Sputter Deposited Nanocarbon Film Electrode. Analytical Chemistry, 2012, 84, 10607-10613.	6.5	18
123	Improved Direct Electrochemistry for Proteins Adsorbed on a UV/Ozone-Treated Carbon Nanofiber Electrode. Analytical Sciences, 2013, 29, 611-618.	1.6	18
124	Detection of Reversible Redox Species by Substitutional Stripping Voltammetry. Analytical Chemistry, 1994, 66, 1224-1230.	6.5	17
125	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.	6.5	17
126	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.	10.1	17

#	Article	IF	CITATIONS
127	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.	1.6	16
128	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.	10.1	16
129	Polythiophene/polyvinylchloride conducting polymer alloy films and their redox properties. Synthetic Metals, 1987, 20, 235-243.	3.9	15
130	Selective Electrochemical Detection Using a Split Disk Array Electrode in a Thin-Layer Radial Flow System. Analytical Chemistry, 1996, 68, 3797-3800.	6.5	15
131	Heavy Phosphate Adsorption on Amorphous ITO Film Electrodes:  Nano-Barrier Effect for Highly Selective Exclusion of Anionic Species. Langmuir, 2007, 23, 8400-8405.	3.5	15
132	Suppression of Non-specific Adsorption Using Densified Tri(ethylene glycol) alkanethiols: Monolayer Characteristics Evaluated by Electrochemical Measurements. Analytical Sciences, 2010, 26, 33-37.	1.6	15
133	Fluorinated Nanocarbon Film Electrode Capable of Signal Amplification for Lipopolysaccharide Detection. Electrochimica Acta, 2016, 197, 152-158.	5.2	15
134	Highly sensitive small volume voltammetry of reversible redox species with an IDA electrochemical cell and its application to selective detection of catecholamine. Sensors and Actuators B: Chemical, 1993, 14, 558-560.	7.8	14
135	Simultaneous determination of glucose and ascorbic acid by using gold electrode modified with ferrocenylundecanethiol monolayer. Sensors and Actuators B: Chemical, 2005, 108, 617-621.	7.8	14
136	Newly Developed Chemical Probes and Nano-Devices for Cellular Analysis. Analytical Sciences, 2008, 24, 55-66.	1.6	14
137	Characterization of a microfluidic device fabricated using a photosensitive sheet. Journal of Micromechanics and Microengineering, 2007, 17, 432-438.	2.6	13
138	Co-sputter deposited nickel–copper bimetallic nanoalloy embedded carbon films for electrocatalytic biomarker detection. Nanoscale, 2016, 8, 12887-12891.	5.6	13
139	Direct Analysis of Lipophilic Antioxidants of Olive Oils Using Bicontinuous Microemulsions. Analytical Chemistry, 2016, 88, 1202-1209.	6.5	13
140	Electrochemical oxidation of vacuum-deposited carbazole: Preparation and film properties. Synthetic Metals, 1990, 35, 253-261.	3.9	12
141	Fabrication and Photoelectrochemical Properties of Interdigitated Array Microelectrodes Consisting of Optically Transparent and Nontransparent Band Electrodes. Journal of the Electrochemical Society, 1995, 142, L146-L149.	2.9	12
142	Hydrogen bonding interaction between aminopurinethiol-monolayers and oligonucleotides by QCM and XPS measurements. Sensors and Actuators B: Chemical, 2007, 121, 214-218.	7.8	12
143	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.	1.3	12
144	Polyâ€Îµâ€Łysine Modified Nanocarbon Film Electrodes for LPS Detection. Electroanalysis, 2014, 26, 618-624.	2.9	12

#	Article	IF	CITATIONS
145	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.	6.5	12
146	Hybrid Carbon Film Electrodes for Electroanalysis. Analytical Sciences, 2021, 37, 37-47.	1.6	12
147	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.	1.3	11
148	Structure and Electroanalytical Application of Nitrogen-doped Carbon Thin Film Electrode with Lower Nitrogen Concentration. Analytical Sciences, 2015, 31, 651-656.	1.6	11
149	Highly sensitive detection of catecholamine with interdigitated array microelectrodes in HPLC. Sensors and Actuators B: Chemical, 1993, 13, 336-339.	7.8	10
150	Effect of the calcination temperature of self-ordered mesoporous silicate on its adsorption characteristics for aromatic hydrocarbons. New Journal of Chemistry, 2005, 29, 504.	2.8	10
151	Comparison of Enzymatic Recycling Electrodes for Measuring Aminophenol: Development of a Highly Sensitive Natriuretic Peptide Assay System. Analytical Sciences, 2008, 24, 577-582.	1.6	10
152	Electrochemical performance at sputter-deposited nanocarbon film with different surface nitrogen-containing groups. Nanoscale, 2019, 11, 10239-10246.	5.6	10
153	Synthesis and galectin-binding activities of mercaptododecyl glycosides containing a terminal β-galactosyl group. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1265-1269.	2.2	9
154	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.	1.6	9
155	Electrochemical enzyme biosensor for carnitine detection based on cathodic stripping voltammetry. Sensors and Actuators B: Chemical, 2020, 321, 128473.	7.8	9
156	Imaging of flow pattern in micro flow channel using surface plasmon resonance. Measurement Science and Technology, 2006, 17, 3184-3188.	2.6	8
157	Development of a Sputtered Nanocarbon Film Based Microdisk Array Electrode for the Highly Stable Detection of Serotonin. Electroanalysis, 2011, 23, 827-831.	2.9	8
158	The Use of an Enzyme-based Sensor Array to Fingerprint Proteomic Signatures of Sera from Different Mammalian Species. Analytical Sciences, 2016, 32, 237-240.	1.6	8
159	Amplified Zinc Signal at a Nanocarbon Film Electrode for Lipopolysaccharide Detection. ACS Applied Nano Materials, 2018, 1, 5425-5429.	5.0	8
160	Influence of Contact Force on Electrochemical Responses of Redox Species Flowing in Nitrocellulose Membrane at Micropyramid Array Electrode. Analytical Sciences, 2015, 31, 729-732.	1.6	7
161	Properties of modified surface for biosensing interface. Journal of Colloid and Interface Science, 2017, 497, 309-316.	9.4	7
162	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.	2.8	7

#	Article	IF	CITATIONS
163	A Simple Method for Fabrication of Mesoporous Films Using a Rapid Heating Process. Chemistry Letters, 2005, 34, 328-329.	1.3	6
164	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.	1.5	6
165	Surface Accumulable Coreactant for Bright Electrogenerated Chemiluminescence at Trace Level Concentrations. Chemistry Letters, 2009, 38, 804-805.	1.3	6
166	Chromatographic Determination of Sugar Probes Used for Gastrointestinal Permeability Test by Employing Nickel opper Nanoalloy Embedded in Carbon Film Electrodes. Electroanalysis, 2018, 30, 1407-1415.	2.9	6
167	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.	0.3	6
168	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.	5.0	6
169	Selective Au Electrodeposition on Au Nanoparticles Embedded in Carbon Film Electrode for Se(IV) Detection. Sensors and Materials, 2019, 31, 1135.	0.5	6
170	Nanocarbon film electrodes for electro-analysis and electrochemical sensors. Current Opinion in Electrochemistry, 2022, 35, 101045.	4.8	6
171	Direct detection of uncaged glutamate and the laser photostimulation of cultured rat cortex. NeuroReport, 1998, 9, 599-603.	1.2	5
172	New Advances in Nanomedicine: Diagnosis and Preventive Medicine. Medical Clinics of North America, 2007, 91, 871-879.	2.5	5
173	Local Imaging of an Electrochemical Active/Inactive Region on a Conductive Carbon Surface by Using Scanning Electrochemical Microscopy. Analytical Sciences, 2009, 25, 645-651.	1.6	5
174	Stand-Alone Semi-Solid-State Electrochemical Systems Based on Bicontinuous Microemulsion Gel Films. Analytical Chemistry, 2020, 92, 14031-14037.	6.5	5
175	Supporting effects of a N-doped carbon film electrode on an electrodeposited Ni@Ni(OH) ₂ core–shell nanocatalyst in accelerating electrocatalytic oxidation of oligosaccharides. RSC Advances, 2021, 11, 13311-13315.	3.6	5
176	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.	1.5	5
177	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.	2.2	4
178	Increased electrode activity during geosmin oxidation provided by Pt nanoparticle-embedded nanocarbon film. Nanoscale, 2019, 11, 8845-8854.	5.6	4
179	Bifunctional Tri(ethylene glycol) Alkanethiol Monolayer Modified Gold Electrode for On-Chip Electrochemical Immunoassay of pg Level Leptin. Analytical Sciences, 2011, 27, 465-469.	1.6	3
180	Indoor allergen assessment quantified by a thin-layer electrochemical cell and magnetic beads. Biosensors and Bioelectronics, 2013, 48, 43-48.	10.1	3

#	Article	IF	CITATIONS
181	Preface—JES Focus Issue on Biosensors and Micro-Nano Fabricated Electromechanical Systems. Journal of the Electrochemical Society, 2017, 164, Y5-Y5.	2.9	3
182	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.	1.6	3
183	Porous gold nanomesh films electrodeposited in toluene-based dynamic soft template. Electrochimica Acta, 2022, 426, 140761.	5.2	2
184	Vertically Oriented Metallic Heterodimer Array Semiembedded in Flat Conductive Carbon Film for Electrochemical Application. ACS Nano, 2022, 16, 10589-10599.	14.6	2
185	Electrochemical analysis of ferrocene in bicontinuous microemulsions using β- cyclodextrin modified monolayer graphene electrodes. Journal of Electroanalytical Chemistry, 2022, 920, 116575.	3.8	2
186	Semi-transparent anisotropically conducting polymer alloy film prepared on patterned electrode Kobunshi Ronbunshu, 1987, 44, 225-233.	0.2	1
187	Measurement of DNA Amount on Gold Plate Based on the Oxidation Current of Guanine. Bunseki Kagaku, 2006, 55, 975-978.	0.2	1
188	Highly Sensitive Electrochemical Detection of Heavy Metal Ions Using Carbon Film-based Electrodes. Bunseki Kagaku, 2021, 70, 101-109.	0.2	1
189	Electrochemical Surface Plasmon Resonance Measurement. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2000, 51, 558-562.	0.2	0
190	Measurements of Enzyme Film Thickness and Enzymatic Reaction by Surface Plasmon Resonance. IEEJ Transactions on Sensors and Micromachines, 2003, 123, 130-131.	0.1	0
191	2P276 Specific interactions between the carbohydrate on gold nanoparticles and lectins(40. Membrane) Tj ETQq1 S364.	1 0.7843 0.1	14 rgBT /Ov O
192	Thick-matrix-free interface for highly effective protein detection and sufficient signal enhancement. Composite Interfaces, 2014, 21, 631-638.	2.3	0
193	Nanocarbon Film Electrodes Can Expand the Possibility of Electroanalysis. Bunseki Kagaku, 2018, 67, 635-645.	0.2	0
194	Visible internal-reflection spectroscopy by polymer channel optical waveguide IEEJ Transactions on Fundamentals and Materials, 2001, 121, 654-659.	0.2	0
195	Near-Field Fiber-Optic Chemical Microsensors. IEEJ Transactions on Sensors and Micromachines, 2003, 123, 132-133.	0.1	0
196	Development of Small Size Detector for Environmental Monitoring of VOC. IEEJ Transactions on Sensors and Micromachines, 2003, 123, 134-135.	0.1	0
197	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.	2.0	0
198	Structure and Electrochemical Properties of Nitrogen Containing Nanocarbon Films and Their Electroanalytical Application. Bunseki Kagaku, 2021, 70, 511-520.	0.2	0

#	Article	IF	CITATIONS
199	Quantitative Evaluation of DNA Probe Density by Electrochemical Surface Plasmon Resonance Measurement. Sensors and Materials, 2022, 34, 927.	0.5	0
200	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.	2.0	0