Soichi Yabuki

List of Publications by Year
in descending order

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93	2,288	159525	233338
papers	citations	30 h-index	45 g-index

94	94	94	1583
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	How to Lengthen the Long-Term Stability of Enzyme Membranes: Trends and Strategies. Catalysts, 2017, 7, 36.	1.6	9
2	Enzyme and Mediator-coadsorbed Carbon Felt Electrode for Electrochemical Detection of Glucose Covered with Polymer Layers Based on Layer-by-Layer Technique. Analytical Sciences, 2015, 31, 693-697.	0.8	3
3	Long-Term Stability of a Cellulose-Based Glucose Oxidase Membrane. Materials, 2014, 7, 899-905.	1.3	12
4	Supporting Materials That Improve the Stability of Enzyme Membranes. Analytical Sciences, 2014, 30, 213-217.	0.8	8
5	Preparation of a Cellulose-based Enzyme Membrane Using Ionic Liquid to Lengthen the Duration of Enzyme Stability. Analytical Sciences, 2012, 28, 373-377.	0.8	12
6	Polyelectrolyte Complex Membranes for Immobilizing Biomolecules, and Their Applications to Bio-analysis. Analytical Sciences, 2011, 27, 695-702.	0.8	28
7	Enzymatically amplified electrochemical detection for lipopolysaccharide using ferrocene-attached polymyxin B and its analogue. Biosensors and Bioelectronics, 2011, 26, 2080-2084.	5.3	21
8	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
9	Hydrogen peroxide biosensor based on a polyion complex membrane containing peroxidase and toluidine blue, and its application to the fabrication of a glucose sensor. Mikrochimica Acta, 2009, 164, 173-176.	2.5	6
10	Surface modification of thin polyion complex film for surface plasmon resonance immunosensor. Sensors and Actuators B: Chemical, 2008, 130, 320-325.	4.0	12
11	Permeation regulation of charged species by the component change of polyion complex membranes. Analytical Biochemistry, 2008, 375, 141-143.	1.1	9
12	Comparison of Electrode Reduction Activities of Geobacter sulfurreducens and an Enriched Consortium in an Air-Cathode Microbial Fuel Cell. Applied and Environmental Microbiology, 2008, 74, 7348-7355.	1.4	192
13	Preparation of l-lactate Biosensor that uses Polyion Complex Membrane Containing Peroxidase and Ferrocene. Electrochemistry, 2008, 76, 552-554.	0.6	1
14	Electrochemically amplified detection for lipopolysaccharide using ferrocenylboronic acid. Biosensors and Bioelectronics, 2007, 22, 1527-1531.	5.3	44
15	Microbioassay System for an Anti-cancer Agent Test Using Animal Cells on a Microfluidic Gradient Mixer. Analytical Sciences, 2006, 22, 87-90.	0.8	35
16	Measurement of DNA Amount on Gold Plate Based on the Oxidation Current of Guanine. Bunseki Kagaku, 2006, 55, 975-978.	0.1	1
17	Surface Modification of Thin Polyion Complex Film with a High Specific Binding Affinity and Prevention of Non-specific Adsorption in Surface Plasmon Resonance Immunoassay. Electrochemistry, 2006, 74, 121-124.	0.6	10
18	Preparation of amperometric glucose sensor based on electrochemically polymerized films of indole derivatives. Sensors and Actuators B: Chemical, 2005, 108, 651-653.	4.0	10

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19	Enzyme electrode response in solution containing enzyme substrate and species that associates with the substrate. Sensors and Actuators B: Chemical, 2005, 108, 613-616.	4.0	5
20	Electrochemical measurement of phenothiazine-interacted DNA. Bioelectrochemistry, 2004, 63, 253-255.	2.4	8
21	Amperometric measurement of ds-DNA content using a peroxidase-modified electrode. Bioelectrochemistry, 2004, 63, 257-259.	2.4	17
22	Application of integrated SECM ultra-micro-electrode and AFM force probe to biosensor surfaces. Bioelectrochemistry, 2004, 63, 217-224.	2.4	50
23	Immobilization of polyglutamate-glucose oxidase onto a cysteamine-modified gold electrode. Sensors and Actuators B: Chemical, 2003, 91, 187-190.	4.0	13
24	Flow injection analysis of acetic acid in food samples by using trienzyme/poly(dimethylsiloxane)-bilayer membrane-based electrode as the detector. Sensors and Actuators B: Chemical, 2003, 91, 195-198.	4.0	15
25	Preparation of a Hydrogen Peroxide-Sensing Electrode coated with a Bilayer consisting of a Polyion Complex Membrane Layer on a Hemin/Ferrocene Layer and a Reduction in the Current caused by the Electrochemical Interferants. Electrochemistry, 2003, 71, 408-410.	0.6	4
26	Amperometric Measurement of Creatine Kinase Activity Using an ADP-sensing Bienzyme Electrode. Electrochemistry, 2003, 71, 414-416.	0.6	2
27	Amperometric Determination of Acetic Acid with a Trienzyme/Poly(dimethylsiloxane)-Bilayer-Based Sensor. Analytical Chemistry, 2001, 73, 5738-5742.	3.2	39
28	Analytical Chemistry for Advanced Technologies. Preparation of an acetylcholine sensor based on an enzyme-immobilized polyion complex membrane.. Bunseki Kagaku, 2001, 50, 899-901.	0.1	3
29	Use of a siloxane polymer for the preparation of amperometric sensors: O2 and NO sensors and enzyme sensors. Sensors and Actuators B: Chemical, 2001, 76, 489-493.	4.0	37
30	Preparation of d-amino acid oxidase-immobilized polyion complex membranes. Sensors and Actuators B: Chemical, 2001, 76, 142-146.	4.0	18
31	Use of Polydimethylsiloxane for Constructing Amperometric Glucose-Sensing Enzyme Electrode with Low Interference Level. Electroanalysis, 2001, 13, 370-374.	1.5	23
32	Glucose-Sensing Electrode Based on Glucose Oxidase-Attached Polyion Complex Membrane Containing Peroxidaseand Ferrocene. Electroanalysis, 2001, 13, 380-383.	1.5	31
33	Amperometric Measurement of Nitric Oxide (NO) Using an Electrode Coated with Polydimethylsiloxane. Chemistry Letters, 2000, 29, 802-803.	0.7	16
34	Electrochemiluminescence of Luminol Generated at Self-Assembled Monolayer of Ferrocenylalkanethiol on Gold Electrode. Chemistry Letters, 2000, 29, 1330-1331.	0.7	10
35	Amperometric determination of pyruvate, phosphate and urea using enzyme electrodes based on pyruvate oxidase-containing poly(vinyl alcohol)/polyion complex-bilayer membrane. Electrochimica Acta, 2000, 45, 2945-2952.	2.6	64
36	Rapid and accurate determination of NADH by an amperometric sensor with a bilayer membrane consisting of a polyion complex layer and an NADH oxidase layer. Sensors and Actuators B: Chemical, 2000, 65, 46-48.	4.0	17

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37	Preparation of a carbon paste/alcohol dehydrogenase electrode using polyethylene glycol-modified enzyme and oil-soluble mediator. Sensors and Actuators B: Chemical, 2000, 65, 147-149.	4.0	15
38	Hydrogen peroxide determination based on a glassy carbon electrode covered with polyion complex membrane containing peroxidase and mediator. Sensors and Actuators B: Chemical, 2000, 65, 49-51.	4.0	47
39	Preparation of a Glucose-Sensing Electrode Based on Glucose Oxidase-Attached Polyion Complex Membrane Containing Microperoxidase and Ferrocene. Electrochemistry, 2000, 68, 853-855.	0.6	8
40	Preparation of a microperoxidase and ferrocene-immobilized polyion complex membrane for the detection of hydrogen peroxide. Journal of Electroanalytical Chemistry, 1999, 468, 117-120.	1.9	40
41	Enzyme electrodes based on self-assembled monolayers of thiol compounds on gold. Electrochimica Acta, 1999, 44, 3833-3838.	2.6	32
42	Amperometric glucose sensor using glassy carbon electrode anodized in 1, 5-pentanediol as the base transducer. IEEJ Transactions on Sensors and Micromachines, 1999, 119, 554-559.	0.0	3
43	Amperometric Glucose Sensor Based on a Polydimethyl Siloxane/Enzyme-Bilayer Membrane. Electrochemistry, 1999, 67, 1138-1140.	0.6	17
44	Glucose oxidase/polyion complex-bilayer membrane for elimination of electroactive interferents in amperometric glucose sensor. Analytica Chimica Acta, 1998, 364, 173-179.	2.6	72
45	Rapid measurement of transaminase activities using an amperometric l-glutamate-sensing electrode based on a glutamate oxidaseâ€“polyion complex-bilayer membrane. Sensors and Actuators B: Chemical, 1998, 52, 23-29.	4.0	61
46	High-throughput flow-injection analysis of glucose and glutamate in food and biological samples by using enzyme/polyion complex-bilayer membrane-based electrodes as the detectors. Biosensors and Bioelectronics, 1998, 13, 809-815.	5.3	65
47	Amperometric Biosensors Using an Enzyme-Containing Polyion Complex. ACS Symposium Series, 1998, , 46-56.	0.5	6
48	Roles of Interfacial Functions in Analytical Chemistry. Current response to D-fructose based on electron transfer from fructose dehydrogenase incorporated in a polyion complex membrane.. Bunseki Kagaku, 1998, 47, 1103-1105.	0.1	6
49	Amperometric Alcohol-Sensing Electrode Based on a Polyion Complex Membrane Containing Alcohol Oxidase.. Analytical Sciences, 1997, 13, 83-87.	0.8	29
50	Voltammetric enzyme sensor for urea using mercaptohydroquinone-modified gold electrode as the base transducer. Biosensors and Bioelectronics, 1997, 12, 321-328.	5.3	33
51	Rapid determination of glucose and sucrose by an amperometric glucose-sensing electrode combined with an invertase/mutarotase-attached measuring cell. Biosensors and Bioelectronics, 1997, 12, 1013-1020.	5.3	41
52	D-Fructose sensing electrode based on electron transfer ofD-fructose dehydrogenase at colloidal gold-enzyme modified electrode. Electroanalysis, 1997, 9, 23-25.	1.5	40
53	Preparation of Carbon Paste-Enzyme Electrode using Polyethylene Glycol-Alcohol Dehydrogenase Hybrid. Electrochemistry, 1997, 65, 471-473.	0.3	2
54	Voltammetric Acetylcholine Sensor using Mercaptohydroquinone Monolayer-Attached Gold Electrode as the Base Transducer. Electrochemistry, 1997, 65, 487-489.	0.3	1

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55	Flow injection analysis of -lactic acid using an enzyme-polyion complex-coated electrode as the detector. Talanta, 1996, 43, 1815-1820.	2.9	33
56	Amperometric Maltose-Sensing Bi-Enzyme Electrodes: Comparison between .ALPHA.-Glucosidase/Pyranose Oxidase- and Glucoamylase/Glucose Oxidase-Based Electrodes.. Analytical Sciences, 1996, 12, 145-148.	0.8	3
57	Enzyme Ultra-thin Layer Electrode Prepared by the Co-adsorption of Poly-L-lysine and Glucose Oxidase onto a Mercaptopropionic Acid-Modified Gold Surface. Chemistry Letters, 1996, 25, 251-252.	0.7	41
58	Amperometric L-Lactate-Sensing Electrode Using an Enzyme Ultra-thin Layer Produced through the Co-adsorption of Poly-L-Lysine and Lactate Oxidase onto Mercaptoalkanoic Acid-Modified Gold Surface. Electrochemistry, 1996, 64, 1266-1268.	0.3	9
59	Amperometric Glucose-Sensing Electrode Based on Colloidal Gold/Glucose Oxidase-Modified Glassy Carbon. Electrochemistry, 1996, 64, 1256-1258.	0.3	0
60	Rapid Measurement of Cholinesterase Activity Using an Amperometric Enzyme Electrode Based on Lipid-Modified Choline Oxidase.. Analytical Sciences, 1995, 11, 127-129.	0.8	6
61	Amperometric glucose-sensing electrode based on carbon paste containing poly (ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 300, 59-64.	2.6	40
62	Glucose sensor based on carbon paste electrode incorporating poly(ethylene glycol) -modified glucose oxidase and various mediators. Analytica Chimica Acta, 1995, 304, 33-39.	2.6	27
63	Carbon paste electrode incorporated with cobalt(II) octaethoxyphthalocyanine for the amperometric detection of hydrogen peroxide. Electroanalysis, 1995, 7, 706-709.	1.5	29
64	Amperometric l-lactate-sensing electrode based on a polyion complex layer containing lactate oxidase. Application to serum and milk samples. Analytica Chimica Acta, 1995, 314, 233-239.	2.6	114
65	Coulometric measuring system based on carbon felt electrode and glucose oxide. Sensors and Actuators B: Chemical, 1995, 25, 750-752.	4.0	7
66	Modifications to a carbon paste glucose-sensing enzyme electrode and a reduction in the electrochemical interference from L-ascorbate. Biosensors and Bioelectronics, 1995, 10, 353-358.	5.3	34
67	Amperometric Biosensors Using Poly-L-Lysine/Poly (styrenesulfonate) Membranes with Immobilized Enzymes. Electrochemistry, 1995, 63, 1100-1105.	0.3	35
68	Construction of Carbon Paste Enzyme Electrodes for the Measurement of L-Malate with Polyethylene Glycol-Modified Malate Dehydrogenase. Electrochemistry, 1995, 63, 1143-1144.	0.3	5
69	Amperometric Enzyme Electrode Prepared by the Electro-deposition of Colloidal Gold/Glucose Oxidase onto Glassy Carbon. Electrochemistry, 1995, 63, 654-659.	0.3	4
70	Choline-sensing electrode based on polyethylene glycol-modified enzyme and mediator. Sensors and Actuators B: Chemical, 1994, 20, 159-162.	4.0	15
71	Flow injection analysis for glucose using an amperometric enzyme electrode based on lipid-modified glucose oxidase as the detector. Biosensors and Bioelectronics, 1994, 9, 411-414.	5.3	15
72	Highly-Sensitive Measurement of Dihydroxyphenols Using Carbon Felt Electrode Impregnated with Fructose Dehydrogenase-Containing Solution. Chemistry Letters, 1994, 23, 1569-1572.	0.7	6

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73	Amperometric enzyme electrode with fast response to glucose using a layer of lipid-modified glucose oxidase and Nafion anionic polymer. Analytica Chimica Acta, 1993, 274, 201-207.	2.6	58
74	Ferrocene-attached l-lysine polymers as mediators for glucose-sensing electrodes. Analytica Chimica Acta, 1993, 281, 483-487.	2.6	29
75	Amperometric enzyme electrode with the use of dehydrogenase and NAD(P)H oxidase. Sensors and Actuators B: Chemical, 1993, 14, 574-575.	4.0	9
76	Electrical communication of polyethylene glycol-modified glucose oxidase in carbon paste and its application to the assay of glucose. Sensors and Actuators B: Chemical, 1993, 13, 166-168.	4.0	10
77	Amperometric Enzyme Electrode for L-Lactate with the Use of Lipid-Modified Lactate Oxidase. Electrochemistry, 1993, 61, 891-892.	0.3	4
78	Glucose-sensing carbon paste electrode containing polyethylene glycol-modified glucose oxidase. Biosensors and Bioelectronics, 1992, 7, 695-700.	5.3	33
79	Electrical control of the glutamate dehydrogenase reaction in polypyrrole membranes. Journal of Electroanalytical Chemistry, 1992, 343, 489-493.	1.9	1
80	Electrical control of the glutamate dehydrogenase reaction in polypyrrole membranes. Bioelectrochemistry, 1992, 28, 489-493.	1.0	3
81	Enzyme Sensor Utilizing an Immobilized Mediator. , 1992, , 167-180.		5
82	Glucose sensing carbon paste electrode by using polyethylene glycol-modified glucose oxidase. , 1992, , 149-152.		2
83	Amperometric Enzyme Sensor for Glucose with the Use of Glucose Oxidase and Carbon Paste Electrode Modified with Catalyst for Hydrogen Peroxide Oxidation. Electrochemistry, 1992, 60, 1141-1142.	0.3	2
84	Glucose-Sensing Electrode Based on Carbon Paste Containing Ferrocene and Polyethylene Glycol-Modified Enzyme. Bulletin of the Chemical Society of Japan, 1991, 64, 2849-2851.	2.0	33
85	CHEMILUMINESCENCE RESPONSE OF A HEMIN-GLUCOSE OXIDASE COMPLEX TO GLUCOSE. Analytical Sciences, 1991, 7, 799-800.	0.8	12
86	AMPEROMETRIC ENZYME ELECTRODE BASED ON DEHYDROGENASE AND NADH OXIDASE. Analytical Sciences, 1991, 7, 871-874.	0.8	9
87	L-Malate-sensing electrode based on malate dehydrogenase and NADH oxidase. Analytica Chimica Acta, 1991, 245, 145-150.	2.6	39
88	Highly-sensitive measurement of hydroquinone with an enzyme electrode. Biosensors and Bioelectronics, 1991, 6, 305-310.	5.3	49
89	Preparation and characterization of an electroconductive membrane containing glutamate dehydrogenase, NADP, and mediator. Biosensors and Bioelectronics, 1991, 6, 311-315.	5.3	33
90	Electrical activity controlling system for a mediator-coexisting alcohol dehydrogenase-NAD conductive membrane. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 277, 179-187.	0.3	136

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91	Electrically Regulated Biocatalytic Processes of Redox Enzymes Embedded in Conducting Polymer Membrane. Annals of the New York Academy of Sciences, 1990, 613, 827-831.	1.8	5
92	Electro-conductive enzyme membrane. Journal of the Chemical Society Chemical Communications, 1989, , 945.	2.0	80
93	Construction of a Bioreactor with Immobilized Yeast Cells for Production of a Low-phenylalanine Peptide Mixture as a Phenylketonuria Foodstuff. Agricultural and Biological Chemistry, 1988, 52, 2989-2994.	0.3	1