Hirosuke Tatsumi

List of Publications by Year
in descending order

47 papers	1,008 citations	516710 16 h-index	434195 31 g-index
47 all docs	47 docs citations	47 times ranked	1028 citing authors

#	Article	IF	Citations
1	Sensitive screening of methamphetamine stimulant using potential-modulated electrochemiluminescence. Analytica Chimica Acta, 2022, 1191, 339229.	5.4	5
2	Electrochemical Properties of Carbon Paste Electrodes Modified with Fluorinated Materials. Electrochemistry, 2021, 89, 100-103.	1.4	2
3	Sensitive Simultaneous Determinations of 1,2-Dihydroxynaphthalene and Catechol by an Amperometric Biosensor. Analytical Sciences, 2021, 37, 991-995.	1.6	0
4	Inkjet polarography. Electrochemistry Communications, 2021, 128, 107069.	4.7	2
5	Electrochemiluminescence of Tris(2,2â€²-bipyridine)ruthenium(II)/Tri-n-propylamine with an Electric Contactless Power Transfer System. Analytical Sciences, 2021, 37, 1309-1313.	1.6	2
6	Cathodic Electrochemiluminescence from Rhodamine B in Aqueous Media Using Peroxydisulfate as Co-reactant. Chemistry Letters, 2021, 50, 1659-1661.	1.3	3
7	Ion Transfer Voltammetry of Azulene Sulfonates at a Liquid|Liquid Interface. Bunseki Kagaku, 2021, 70, 529-533.	0.2	0
8	Polarography with Dropping Carbon Fluid Electrodes. Bunseki Kagaku, 2017, 66, 19-25.	0.2	1
9	Development of dropping carbon fluid electrodes for polarography. Electrochimica Acta, 2014, 135, 255-259.	5.2	11
10	A graphene screen-printed carbon electrode for real-time measurements of unoccupied active sites in a cellulase. Analytical Biochemistry, 2014, 447, 162-168.	2.4	19
11	A pyranose dehydrogenase-based biosensor for kinetic analysis of enzymatic hydrolysis of cellulose by cellulases. Enzyme and Microbial Technology, 2014, 58-59, 68-74.	3.2	19
12	Sensitive electrochemical measurement of hydroxyl radical generation induced by the xanthineâ€“xanthine oxidase system. Analytical Biochemistry, 2014, 467, 22-27.	2.4	5
13	Pre-steady-state Kinetics for Hydrolysis of Insoluble Cellulose by Cellobiohydrolase Cel7A. Journal of Biological Chemistry, 2012, 287, 18451-18458.	3.4	100
14	Kinetic Studies on Enzymatic Hydrolysis of Polysaccharides by Amperometric Biosensors. Review of Polarography, 2012, 58, 75-82.	0.1	0
15	An amperometric enzyme biosensor for realâ€time measurements of cellobiohydrolase activity on insoluble cellulose. Biotechnology and Bioengineering, 2012, 109, 3199-3204.	3.3	40
16	Cyclic Voltammetry of Ion Transfer for Phenylpropanolamine Hydrochloride at Water|Nitrobenzene Interface. Journal of the Chinese Chemical Society, 2012, 59, 40-45.	1.4	2
17	Origin of Initial Burst in Activity for Trichoderma reesei endo-Glucanases Hydrolyzing Insoluble Cellulose. Journal of Biological Chemistry, 2012, 287, 1252-1260.	3.4	53
18	Polarography with a dropping carbon electrode. Electrochemistry Communications, 2012, 20, 160-162.	4.7	13

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19	Sensitive Electrochemical Detection of the Hydroxyl Radical Using Enzyme-catalyzed Redox Cycling. Analytical Sciences, 2011, 27, 1065-1067.	1.6	4
20	Current Generation by Fullerene in the Presence of Tetraphenylborate at a Nitrobenzene|Water Interface under Illumination with a Fluorescent Light. Chemistry Letters, 2010, 39, 1104-1105.	1.3	4
21	Decomposition of Free Chlorine with Tertiary Ammonium. Analytical Sciences, 2010, 26, 349-353.	1.6	2
22	Thermal Modulation Voltammetry at a 1,2-Dichloroethane/Water Microinterface Using Visible Laser Heating with Optically Absorbing Supporting Electrolyte. Analytical Chemistry, 2010, 82, 6717-6720.	6.5	4
23	Like the Flow of the River - 42nd HeyrovskÃ½ Discussion. Review of Polarography, 2009, 55, 97-99.	0.1	0
24	Activity Measurement of Chitosanase by an Amperometric Biosensor. Analytical Sciences, 2009, 25, 825-827.	1.6	3
25	Application of Polyammonium Cations to Enzyme-immobilized Electrode: Voltammetric Behavior of Polycation-hexacyanoferrate Anion Complexes and Applicability as Electron-Transfer Mediator. Analytical Sciences, 2008, 24, 1415-1419.	1.6	6
26	Application of Polyammonium Cations to Enzyme-immobilized Electrode: Application as Enzyme Stabilizer for Bilirubin Oxidase. Analytical Sciences, 2008, 24, 1421-1424.	1.6	11
27	A Bioelectrocatalysis Method for the Kinetic Measurement of Thermal Inactivation of a Redox Enzyme, Bilirubin Oxidase. Analytical Sciences, 2008, 24, 237-241.	1.6	31
28	Voltammetric Studies on the Mechanism of Electron Transfer Reactions at Liquid/liquid Interfaces. Review of Polarography, 2008, 54, 89-97.	0.1	2
29	Cyclic Voltammetry of the Electron Transfer Reaction between Bis(cyclopentadienyl)iron in 1,2-Dichloroethane and Hexacyanoferrate in Water. Analytical Sciences, 2007, 23, 589-591.	1.6	7
30	Halogen-Free Water-Immiscible Ionic Liquids Based on Tetraoctylammonium Cation and Dodecylsulfate and Dodecylbenzenesulfonate Anions, and Their Application as Chelate Extraction Solvent. Analytical Sciences, 2006, 22, 199-200.	1.6	30
31	Innovative Electrochemistry, Enterprising Science. Review of Polarography, 2006, 52, 109-110.	0.1	0
32	Kinetic analysis of enzymatic hydrolysis of crystalline cellulose by cellobiohydrolase using an amperometric biosensor. Analytical Biochemistry, 2006, 357, 257-261.	2.4	19
33	Voltammetric Behavior of the Transfer of Mono- and Polyammonium Ions across a Phospholipid Monolayer at the Nitrobenzene/Water Interface. Analytical Sciences, 2005, 21, 1529-1531.	1.6	4
34	Electrochemical Study of the Assisted Transfer of Silver Ion by 1,5-Cyclooctadiene at the 1,6-Dichlorohexane|Water Interface. Analytical Sciences, 2005, 21, 901-905.	1.6	3
35	Kinetics of the Surface Hydrolysis of Raw Starch by Glucoamylase. Journal of Agricultural and Food Chemistry, 2005, 53, 8123-8127.	5.2	19
36	Ion-transfer voltammetry at 1,6-dichlorohexane?water and 1,4-dichlorobutane?water interfaces. Talanta, 2004, 63, 185-193.	5.5	77

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37	Kinetic Analysis of Enzymatic Hydrolysis of Raw Starch by Glucoamylase Using an Amperometric Glucose Sensor. Chemistry Letters, 2004, 33, 692-693.	1.3	14
38	Voltammetric Study of the Transfer of Polyammonium Ions at Nitrobenzene | Water Interface. Analytical Sciences, 2004, 20, 1581-1585.	1.6	19
39	Voltammetric Study of Interfacial Electron Transfer between Bis(cyclopentadienyl)iron in Organic Solvents and Hexacyanoferrate in Water. Analytical Sciences, 2004, 20, 1613-1615.	1.6	12
40	Voltammetric Study of the Transfer of Fluoride Ion at the Nitrobenzene | Water Interface Assisted by Tetraphenylantimony. Analytical Sciences, 2004, 20, 553-556.	1.6	11
41	Ion-Transfer Voltammetry at a Polarized Room-Temperature Molten Salt|Water Interface. Analytical Sciences, 2003, 19, 651-652.	1.6	27
42	Bioelectrocatalysis-based dihydrogen/dioxygen fuel cell operating at physiological pH. Physical Chemistry Chemical Physics, 2001, 3, 1331-1335.	2.8	153
43	The Dawn of Electrochemistry. Review of Polarography, 2000, 46, 3-7.	0.1	1
44	Kinetic Analysis of Fast Hydrogenase Reaction of Desulfovibrio vulgaris Cells in the Presence of Exogenous Electron Acceptors. Journal of Physical Chemistry B, 2000, 104, 12079-12083.	2.6	20
45	Title is missing!. Biotechnology Letters, 1999, 13, 475-478.	0.5	145
46	Electrochemical Study of Reversible Hydrogenase Reaction ofDesulfovibrio vulgarisCells with Methyl Viologen as an Electron Carrier. Analytical Chemistry, 1999, 71, 1753-1759.	6.5	93
47	Electrochemical Control of Hydrogenase Action ofDesulfovibrio vulgaris(Hildenborough). Chemistry Letters, 1997, 26, 5-6.	1.3	10