

Hirosuke Tatsumi

List of Publications by Year in descending order

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47
papers

1,008
citations

516710

16
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434195

31
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47
all docs

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docs citations

47
times ranked

1028
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioelectrocatalysis-based dihydrogen/dioxygen fuel cell operating at physiological pH. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 1331-1335.	2.8	153
2	Title is missing!. <i>Biotechnology Letters</i> , 1999, 13, 475-478.	0.5	145
3	Pre-steady-state Kinetics for Hydrolysis of Insoluble Cellulose by Cellobiohydrolase Cel7A. <i>Journal of Biological Chemistry</i> , 2012, 287, 18451-18458.	3.4	100
4	Electrochemical Study of Reversible Hydrogenase Reaction of <i>Desulfovibrio vulgaris</i> Cells with Methyl Viologen as an Electron Carrier. <i>Analytical Chemistry</i> , 1999, 71, 1753-1759.	6.5	93
5	Ion-transfer voltammetry at 1,6-dichlorohexane/water and 1,4-dichlorobutane/water interfaces. <i>Talanta</i> , 2004, 63, 185-193.	5.5	77
6	Origin of Initial Burst in Activity for <i>Trichoderma reesei</i> endo-Glucanases Hydrolyzing Insoluble Cellulose. <i>Journal of Biological Chemistry</i> , 2012, 287, 1252-1260.	3.4	53
7	An amperometric enzyme biosensor for real-time measurements of cellobiohydrolase activity on insoluble cellulose. <i>Biotechnology and Bioengineering</i> , 2012, 109, 3199-3204.	3.3	40
8	A Bioelectrocatalysis Method for the Kinetic Measurement of Thermal Inactivation of a Redox Enzyme, Bilirubin Oxidase. <i>Analytical Sciences</i> , 2008, 24, 237-241.	1.6	31
9	Halogen-Free Water-Immiscible Ionic Liquids Based on Tetraoctylammonium Cation and Dodecylsulfate and Dodecylbenzenesulfonate Anions, and Their Application as Chelate Extraction Solvent. <i>Analytical Sciences</i> , 2006, 22, 199-200.	1.6	30
10	Ion-Transfer Voltammetry at a Polarized Room-Temperature Molten Salt Water Interface. <i>Analytical Sciences</i> , 2003, 19, 651-652.	1.6	27
11	Kinetic Analysis of Fast Hydrogenase Reaction of <i>Desulfovibrio vulgaris</i> Cells in the Presence of Exogenous Electron Acceptors. <i>Journal of Physical Chemistry B</i> , 2000, 104, 12079-12083.	2.6	20
12	Voltammetric Study of the Transfer of Polyammonium Ions at Nitrobenzene Water Interface. <i>Analytical Sciences</i> , 2004, 20, 1581-1585.	1.6	19
13	Kinetics of the Surface Hydrolysis of Raw Starch by Glucoamylase. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 8123-8127.	5.2	19
14	Kinetic analysis of enzymatic hydrolysis of crystalline cellulose by cellobiohydrolase using an amperometric biosensor. <i>Analytical Biochemistry</i> , 2006, 357, 257-261.	2.4	19
15	A graphene screen-printed carbon electrode for real-time measurements of unoccupied active sites in a cellulase. <i>Analytical Biochemistry</i> , 2014, 447, 162-168.	2.4	19
16	A pyranose dehydrogenase-based biosensor for kinetic analysis of enzymatic hydrolysis of cellulose by cellulases. <i>Enzyme and Microbial Technology</i> , 2014, 58-59, 68-74.	3.2	19
17	Kinetic Analysis of Enzymatic Hydrolysis of Raw Starch by Glucoamylase Using an Amperometric Glucose Sensor. <i>Chemistry Letters</i> , 2004, 33, 692-693.	1.3	14
18	Polarography with a dropping carbon electrode. <i>Electrochemistry Communications</i> , 2012, 20, 160-162.	4.7	13

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19	Voltammetric Study of Interfacial Electron Transfer between Bis(cyclopentadienyl)iron in Organic Solvents and Hexacyanoferrate in Water. <i>Analytical Sciences</i> , 2004, 20, 1613-1615.	1.6	12
20	Voltammetric Study of the Transfer of Fluoride Ion at the Nitrobenzene Water Interface Assisted by Tetraphenylantimony. <i>Analytical Sciences</i> , 2004, 20, 553-556.	1.6	11
21	Application of Polyammonium Cations to Enzyme-immobilized Electrode: Application as Enzyme Stabilizer for Bilirubin Oxidase. <i>Analytical Sciences</i> , 2008, 24, 1421-1424.	1.6	11
22	Development of dropping carbon fluid electrodes for polarography. <i>Electrochimica Acta</i> , 2014, 135, 255-259.	5.2	11
23	Electrochemical Control of Hydrogenase Action of <i>Desulfovibrio vulgaris</i> (Hildenborough). <i>Chemistry Letters</i> , 1997, 26, 5-6.	1.3	10
24	Cyclic Voltammetry of the Electron Transfer Reaction between Bis(cyclopentadienyl)iron in 1,2-Dichloroethane and Hexacyanoferrate in Water. <i>Analytical Sciences</i> , 2007, 23, 589-591.	1.6	7
25	Application of Polyammonium Cations to Enzyme-immobilized Electrode: Voltammetric Behavior of Polycation-hexacyanoferrate Anion Complexes and Applicability as Electron-Transfer Mediator. <i>Analytical Sciences</i> , 2008, 24, 1415-1419.	1.6	6
26	Sensitive electrochemical measurement of hydroxyl radical generation induced by the xanthine oxidase system. <i>Analytical Biochemistry</i> , 2014, 467, 22-27.	2.4	5
27	Sensitive screening of methamphetamine stimulant using potential-modulated electrochemiluminescence. <i>Analytica Chimica Acta</i> , 2022, 1191, 339229.	5.4	5
28	Voltammetric Behavior of the Transfer of Mono- and Polyammonium Ions across a Phospholipid Monolayer at the Nitrobenzene/Water Interface. <i>Analytical Sciences</i> , 2005, 21, 1529-1531.	1.6	4
29	Current Generation by Fullerene in the Presence of Tetraphenylborate at a Nitrobenzene Water Interface under Illumination with a Fluorescent Light. <i>Chemistry Letters</i> , 2010, 39, 1104-1105.	1.3	4
30	Thermal Modulation Voltammetry at a 1,2-Dichloroethane/Water Microinterface Using Visible Laser Heating with Optically Absorbing Supporting Electrolyte. <i>Analytical Chemistry</i> , 2010, 82, 6717-6720.	6.5	4
31	Sensitive Electrochemical Detection of the Hydroxyl Radical Using Enzyme-catalyzed Redox Cycling. <i>Analytical Sciences</i> , 2011, 27, 1065-1067.	1.6	4
32	Electrochemical Study of the Assisted Transfer of Silver Ion by 1,5-Cyclooctadiene at the 1,6-Dichlorohexane Water Interface. <i>Analytical Sciences</i> , 2005, 21, 901-905.	1.6	3
33	Activity Measurement of Chitosanase by an Amperometric Biosensor. <i>Analytical Sciences</i> , 2009, 25, 825-827.	1.6	3
34	Cathodic Electrochemiluminescence from Rhodamine B in Aqueous Media Using Peroxydisulfate as Co-reactant. <i>Chemistry Letters</i> , 2021, 50, 1659-1661.	1.3	3
35	Voltammetric Studies on the Mechanism of Electron Transfer Reactions at Liquid/Liquid Interfaces. <i>Review of Polarography</i> , 2008, 54, 89-97.	0.1	2
36	Decomposition of Free Chlorine with Tertiary Ammonium. <i>Analytical Sciences</i> , 2010, 26, 349-353.	1.6	2

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37	Cyclic Voltammetry of Ion Transfer for Phenylpropanolamine Hydrochloride at Water Nitrobenzene Interface. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 40-45.	1.4	2
38	Electrochemical Properties of Carbon Paste Electrodes Modified with Fluorinated Materials. <i>Electrochemistry</i> , 2021, 89, 100-103.	1.4	2
39	Inkjet polarography. <i>Electrochemistry Communications</i> , 2021, 128, 107069.	4.7	2
40	Electrochemiluminescence of Tris(2,2'-bipyridine)ruthenium(II)/Tri-n-propylamine with an Electric Contactless Power Transfer System. <i>Analytical Sciences</i> , 2021, 37, 1309-1313.	1.6	2
41	The Dawn of Electrochemistry. <i>Review of Polarography</i> , 2000, 46, 3-7.	0.1	1
42	Polarography with Dropping Carbon Fluid Electrodes. <i>Bunseki Kagaku</i> , 2017, 66, 19-25.	0.2	1
43	Innovative Electrochemistry, <i>Enterprising Science</i> . <i>Review of Polarography</i> , 2006, 52, 109-110.	0.1	0
44	Like the Flow of the River - 42nd Heyrovsk Discussion. <i>Review of Polarography</i> , 2009, 55, 97-99.	0.1	0
45	Kinetic Studies on Enzymatic Hydrolysis of Polysaccharides by Amperometric Biosensors. <i>Review of Polarography</i> , 2012, 58, 75-82.	0.1	0
46	Sensitive Simultaneous Determinations of 1,2-Dihydroxynaphthalene and Catechol by an Amperometric Biosensor. <i>Analytical Sciences</i> , 2021, 37, 991-995.	1.6	0
47	Ion Transfer Voltammetry of Azulene Sulfonates at a Liquid Liquid Interface. <i>Bunseki Kagaku</i> , 2021, 70, 529-533.	0.2	0