

Masaki Torimura

List of Publications by Year in descending order

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48
papers

1,468
citations

304743

22
h-index

315739

38
g-index

48
all docs

48
docs citations

48
times ranked

1666
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale observation of PM2.5 incorporated into mammalian cells using scanning electron-assisted dielectric microscope. <i>Scientific Reports</i> , 2021, 11, 228.	3.3	8
2	Spectroscopic Investigation of Increased Fluorescent Intensity of Fluorescent Dyes When Adsorbed onto Polystyrene Microparticles. <i>Analytical Sciences</i> , 2021, 37, 773-779.	1.6	5
3	MicroRNA biomarkers for chemical hazard screening identified by RNA deep sequencing analysis in mouse embryonic stem cells. <i>Toxicology and Applied Pharmacology</i> , 2020, 392, 114929.	2.8	3
4	384-Channel electrochemical sensor array chips based on hybridization-triggered switching for simultaneous oligonucleotide detection. <i>Biosensors and Bioelectronics</i> , 2019, 136, 76-83.	10.1	10
5	Rapid monitoring of RNA degradation activity in vivo for mammalian cells. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 523-527.	2.2	2
6	Effect of methyl p-hydroxybenzoate on the culture of mammalian cell. <i>Drug Discoveries and Therapeutics</i> , 2017, 11, 276-280.	1.5	0
7	Identification of RNA biomarkers for chemical safety screening in mouse embryonic stem cells using RNA deep sequencing analysis. <i>PLoS ONE</i> , 2017, 12, e0182032.	2.5	6
8	An Evaluation of Sensor Performance for Harmful Compounds by Using Photo-Induced Electron Transfer from Photosynthetic Membranes to Electrodes. <i>Sensors</i> , 2016, 16, 438.	3.8	2
9	Genome-wide gene expression analysis of mouse embryonic stem cells exposed to p-dichlorobenzene. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 329-333.	2.2	8
10	Photocatalytic degradation of the antiviral drug Tamiflu by UV-A/TiO ₂ : Kinetics and mechanisms. <i>Chemosphere</i> , 2015, 131, 41-47.	8.2	26
11	Development of cytotoxicity-sensitive human cells using overexpression of long non-coding RNAs. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 604-608.	2.2	19
12	Ln ³⁺ Adsorption into an Yttrium-Hdehp Coordination Polymer through Exchange with Coordinated Yttrium Ion. <i>Solvent Extraction Research and Development</i> , 2014, 21, 83-87.	0.4	1
13	Long Non-Coding RNAs as Surrogate Indicators for Chemical Stress Responses in Human-Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2014, 9, e106282.	2.5	70
14	Creation of Artificial Luciferases for Bioassays. <i>Bioconjugate Chemistry</i> , 2013, 24, 2067-2075.	3.6	41
15	Identification of short-lived long non-coding RNAs as surrogate indicators for chemical stress response. <i>Biochemical and Biophysical Research Communications</i> , 2013, 439, 547-551.	2.1	61
16	The RNA Degradation Pathway Regulates the Function of GAS5 a Non-Coding RNA in Mammalian Cells. <i>PLoS ONE</i> , 2013, 8, e55684.	2.5	149
17	Evolution of Bioluminescence in Marine Planktonic Copepods. <i>Molecular Biology and Evolution</i> , 2012, 29, 1669-1681.	8.9	48
18	Characterization of the <i>Lactobacillus casei</i> group based on the profiling of ribosomal proteins coded in S10-spc-alpha operons as observed by MALDI-TOF MS. <i>Systematic and Applied Microbiology</i> , 2012, 35, 447-454.	2.8	37

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19	Bioluminescent Capsules for Live-Cell Imaging. <i>Bioconjugate Chemistry</i> , 2012, 23, 2221-2228.	3.6	15
20	A Bioluminescent Probe for Salivary Cortisol. <i>Bioconjugate Chemistry</i> , 2011, 22, 1835-1841.	3.6	27
21	Phylogenetic analysis of <i>Rhodococcus erythropolis</i> based on the variation of ribosomal proteins as observed by matrix-assisted laser desorption/ionization-mass spectrometry without using genome information. <i>Journal of Bioscience and Bioengineering</i> , 2009, 108, 348-353.	2.2	28
22	Characterization of the photoinduced electron transfer reaction from the photosynthetic system in <i>Rhodobacter sphaeroides</i> to an exogenous electron acceptor. <i>Journal of Electroanalytical Chemistry</i> , 2009, 636, 101-106.	3.8	15
23	Comparative Characterization of Ribosomal Proteins of Lactic Acid Bacteria by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2008, 56, 1-11.	0.1	4
24	Rapid Identification and Classification of Psychrotrophic Lactic Acid Bacteria by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Bunseki Kagaku</i> , 2007, 56, 1063-1070.	0.2	6
25	Phylogenetic Classification of <i>Pseudomonas putida</i> Strains by MALDI-MS Using Ribosomal Subunit Proteins as Biomarkers. <i>Analytical Chemistry</i> , 2007, 79, 8712-8719.	6.5	108
26	A Simple Intact Protein Analysis by MALDI-MS for Characterization of Ribosomal Proteins of Two Genome-Sequenced Lactic Acid Bacteria and Verification of Their Amino Acid Sequences. <i>Journal of Proteome Research</i> , 2007, 6, 3899-3907.	3.7	56
27	Matrix-Free Laser Desorption/Ionization-Mass Spectrometry Using Self-Assembled Germanium Nanodots. <i>Analytical Chemistry</i> , 2007, 79, 4827-4832.	6.5	100
28	Characterization of ribosomal proteins as biomarkers for matrix-assisted laser desorption/ionization mass spectral identification of <i>Lactobacillus plantarum</i> . <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3789-3798.	1.5	68
29	Laser Desorption/Ionization on Porous Silicon Mass Spectrometry for Accurately Determining the Molecular Weight Distribution of Polymers Evaluated Using a Certified Polystyrene Standard. <i>Analytical Sciences</i> , 2005, 21, 485-490.	1.6	16
30	Rapid Separation of Microorganisms by Quartz Microchip Capillary Electrophoresis. <i>Analytical Sciences</i> , 2005, 21, 57-60.	1.6	29
31	Analysis of Polymer Additives by DIOS-MS. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2005, 53, 247-256.	0.1	7
32	Voltammetric Elucidation of Ion Transfer Through an Extremely Thin Membrane. <i>Electroanalysis</i> , 2004, 16, 779-782.	2.9	6
33	Optimization of a rapid and sensitive identification system for <i>Salmonella enteritidis</i> by capillary electrophoresis with laser-induced fluorescence. <i>FEMS Microbiology Letters</i> , 2002, 210, 245-249.	1.8	43
34	Application of capillary electrophoresis to monitor populations of <i>Cellulomonas cartae</i> KYM-7 and <i>Agrobacterium tumefaciens</i> KYM-8 in mixed culture. <i>Electrophoresis</i> , 2001, 22, 3413-3417.	2.4	20
35	Highly-sensitive flow injection determination of hydrogen peroxide with a peroxidase-immobilized electrode and its application to clinical chemistry. <i>Analytica Chimica Acta</i> , 2000, 406, 201-207.	5.4	48
36	Bioelectrochemical transformation of nicotinic acid into 6-hydroxynicotinic acid on <i>Pseudomonas fluorescens</i> TN5-immobilized column electrolytic flow system. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2000, 8, 265-273.	1.8	9

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37	Protein Redox Potential Measurements Based on Kinetic Analysis with Mediated Continuous-Flow Column Electrolytic Spectroelectrochemical Technique. Application to TQ-Containing Methylamine Dehydrogenase. <i>Analytical Chemistry</i> , 2000, 72, 150-155.	6.5	16
38	Amperometric determination of NAD(P)H with peroxidase-based H ₂ O ₂ -sensing electrodes and its application to isocitrate dehydrogenase activity assay in serum. <i>Journal of Electroanalytical Chemistry</i> , 1999, 478, 33-39.	3.8	22
39	Surface characterization and on-line activity measurements of microorganisms by capillary zone electrophoresis. <i>Biomedical Applications</i> , 1999, 721, 31-37.	1.7	50
40	Biochemical and Electrochemical Characterization of Quinohemoprotein Amine Dehydrogenase from <i>Paracoccus denitrificans</i> . <i>Biochemistry</i> , 1999, 38, 6935-6942.	2.5	57
41	Continuous-flow column electrolytic spectroelectrochemistry for two-step one-electron transfer reactions. <i>Journal of Electroanalytical Chemistry</i> , 1998, 451, 229-235.	3.8	13
42	Mediator-Assisted Continuous-Flow Column Electrolytic Spectroelectrochemical Technique for the Measurement of Protein Redox Potentials. Application to Peroxidase. <i>Analytical Chemistry</i> , 1998, 70, 4690-4695.	6.5	32
43	Bioelectrochemically Accelerated Microbial Conversion of Nicotinic Acid to 6-Hydroxynicotinic Acid on Microorganism-immobilized Column Electrolytic Flow System. <i>Chemistry Letters</i> , 1998, 27, 295-296.	1.3	10
44	Direct determination of high-density lipoprotein- and total cholesterol in serum using a peroxidase-entrapped electrode and polyethylene glycol-modified enzymes.. <i>Bunseki Kagaku</i> , 1998, 47, 233-238.	0.2	7
45	Spectroelectrochemical Characterization of Quinohemoprotein Alcohol Dehydrogenase from <i>Gluconobacter suboxydans</i> . <i>Chemistry Letters</i> , 1997, 26, 525-526.	1.3	18
46	Peroxidase-based amperometric sensor of hydrogen peroxide generated in oxidase reaction: Application to creatinine and creatine assay. <i>Electroanalysis</i> , 1997, 9, 1234-1238.	2.9	34
47	On-line electrochemical detection of carbohydrates coupled with the periodate oxidation. <i>Journal of Chromatography A</i> , 1997, 790, 1-8.	3.7	11
48	Electrocatalytic oxidation of carbohydrates at copper(II) -modified electrodes and its application to flow-through detection. <i>Journal of Electroanalytical Chemistry</i> , 1994, 372, 137-143.	3.8	97