Masaki Torimura

List of Publications by Year
in descending order

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	The RNA Degradation Pathway Regulates the Function of GAS5 a Non-Coding RNA in Mammalian Cells. PLoS ONE, 2013, 8, e55684.	2.5	149
2	Phylogenetic Classification of Pseudomonas putida Strains by MALDI-MS Using Ribosomal Subunit Proteins as Biomarkers. Analytical Chemistry, 2007, 79, 8712-8719.	6.5	108
3	Matrix-Free Laser Desorption/Ionization-Mass Spectrometry Using Self-Assembled Germanium Nanodots. Analytical Chemistry, 2007, 79, 4827-4832.	6.5	100
4	Electrocatalytic oxidation of carbohydrates at copper(II) -modified electrodes and its application to flow-through detection. Journal of Electroanalytical Chemistry, 1994, 372, 137-143.	3.8	97
5	Long Non-Coding RNAs as Surrogate Indicators for Chemical Stress Responses in Human-Induced Pluripotent Stem Cells. PLoS ONE, 2014, 9, e106282.	2.5	70
6	Characterization of ribosomal proteins as biomarkers for matrix-assisted laser desorption/ionization mass spectral identification ofLactobacillus plantarum. Rapid Communications in Mass Spectrometry, 2006, 20, 3789-3798.	1.5	68
7	Identification of short-lived long non-coding RNAs as surrogate indicators for chemical stress response. Biochemical and Biophysical Research Communications, 2013, 439, 547-551.	2.1	61
8	Biochemical and Electrochemical Characterization of Quinohemoprotein Amine Dehydrogenase from Paracoccus denitrificans. Biochemistry, 1999, 38, 6935-6942.	2.5	57
9	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. Journal of Proteome Research, 2007, 6, 3899-3907.	3.7	56
10	Surface characterization and on-line activity measurements of microorganisms by capillary zone electrophoresis. Biomedical Applications, 1999, 721, 31-37.	1.7	50
11	Highly-sensitive flow injection determination of hydrogen peroxide with a peroxidase-immobilized electrode and its application to clinical chemistry. Analytica Chimica Acta, 2000, 406, 201-207.	5.4	48
12	Evolution of Bioluminescence in Marine Planktonic Copepods. Molecular Biology and Evolution, 2012, 29, 1669-1681.	8.9	48
13	Optimization of a rapid and sensitive identification system forSalmonella enteritidisby capillary electrophoresis with laser-induced fluorescence. FEMS Microbiology Letters, 2002, 210, 245-249.	1.8	43
14	Creation of Artificial Luciferases for Bioassays. Bioconjugate Chemistry, 2013, 24, 2067-2075.	3.6	41
15	Characterization of the Lactobacillus casei group based on the profiling of ribosomal proteins coded in S10-spc-alpha operons as observed by MALDI-TOF MS. Systematic and Applied Microbiology, 2012, 35, 447-454.	2.8	37
16	Peroxidase-based amperometric sensor of hydrogen peroxide generated in oxidase reaction: Application to creatinine and creatine assay. Electroanalysis, 1997, 9, 1234-1238.	2.9	34
17	Mediator-Assisted Continuous-Flow Column Electrolytic Spectroelectrochemical Technique for the Measurement of Protein Redox Potentials. Application to Peroxidase. Analytical Chemistry, 1998, 70, 4690-4695.	6.5	32
18	Rapid Separation of Microorganisms by Quartz Microchip Capillary Electrophoresis. Analytical Sciences, 2005, 21, 57-60.	1.6	29

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19	Phylogenetic analysis of Rhodococcus erythropolis based on the variation of ribosomal proteins as observed by matrix-assisted laser desorption ionization-mass spectrometry without using genome information. Journal of Bioscience and Bioengineering, 2009, 108, 348-353.	2.2	28
20	A Bioluminescent Probe for Salivary Cortisol. Bioconjugate Chemistry, 2011, 22, 1835-1841.	3.6	27
21	Photocatalytic degradation of the antiviral drug Tamiflu by UV-A/TiO2: Kinetics and mechanisms. Chemosphere, 2015, 131, 41-47.	8.2	26
22	Amperometric determination of NAD(P)H with peroxidase-based H2O2-sensing electrodes and its application to isocitrate dehydrogenase activity assay in serum. Journal of Electroanalytical Chemistry, 1999, 478, 33-39.	3.8	22
23	Application of capillary electrophoresis to monitor populations ofCellulomonas cartae KYM-7 andAgrobacterium tumefaciens KYM-8 in mixed culture. Electrophoresis, 2001, 22, 3413-3417.	2.4	20
24	Development of cytotoxicity-sensitive human cells using overexpression of long non-coding RNAs. Journal of Bioscience and Bioengineering, 2015, 119, 604-608.	2.2	19
25	Spectroelectrochemical Characterization of Quinohemoprotein Alcohol Dehydrogenase fromGluconobacter suboxydans. Chemistry Letters, 1997, 26, 525-526.	1.3	18
26	Protein Redox Potential Measurements Based on Kinetic Analysis with Mediated Continuous-Flow Column Electrolytic Spectroelectrochemical Technique. Application to TTQ-Containing Methylamine Dehydrogenase. Analytical Chemistry, 2000, 72, 150-155.	6.5	16
27	Laser Desorption/Ionization on Porous Silicon Mass Spectrometry for Accurately Determining the Molecular Weight Distribution of Polymers Evaluated Using a Certified Polystyrene Standard. Analytical Sciences, 2005, 21, 485-490.	1.6	16
28	Characterization of the photoinduced electron transfer reaction from the photosynthetic system in Rhodobacter sphaeroides to an exogenous electron acceptor. Journal of Electroanalytical Chemistry, 2009, 636, 101-106.	3.8	15
29	Bioluminescent Capsules for Live-Cell Imaging. Bioconjugate Chemistry, 2012, 23, 2221-2228.	3.6	15
30	Continuous-flow column electrolytic spectroelectrochemistry for two-step one-electron transfer reactions. Journal of Electroanalytical Chemistry, 1998, 451, 229-235.	3.8	13
31	On-line electrochemical detection of carbohydrates coupled with the periodate oxidation. Journal of Chromatography A, 1997, 790, 1-8.	3.7	11
32	Bioelectrochemically Accelerated Microbial Conversion of Nicotinic Acid to 6-Hydroxynicotinic Acid on Microorganism-immobilized Column Electrolytic Flow System. Chemistry Letters, 1998, 27, 295-296.	1.3	10
33	384-Channel electrochemical sensor array chips based on hybridization-triggered switching for simultaneous oligonucleotide detection. Biosensors and Bioelectronics, 2019, 136, 76-83.	10.1	10
34	Bioelectrochemical transformation of nicotinic acid into 6-hydroxynicotinic acid on Pseudomonas fluorescens TN5-immobilized column electrolytic flow system. Journal of Molecular Catalysis B: Enzymatic, 2000, 8, 265-273.	1.8	9
35	Genome-wide gene expression analysis of mouse embryonic stem cells exposed to p-dichlorobenzene. Journal of Bioscience and Bioengineering, 2016, 122, 329-333.	2.2	8
36	Nanoscale observation of PM2.5 incorporated into mammalian cells using scanning electron-assisted dielectric microscope. Scientific Reports, 2021, 11, 228.	3.3	8

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37	Direct determination of high-density lipoprotein- and total cholesterol in serum using a peroxidase-entrapped electrode and polyethylene glycol-modified enzymes.. Bunseki Kagaku, 1998, 47, 233-238.	0.2	7
38	Analysis of Polymer Additives by DIOS-MS. Journal of the Mass Spectrometry Society of Japan, 2005, 53, 247-256.	0.1	7
39	Voltammetric Elucidation of Ion Transfer Through an Extremely Thin Membrane. Electroanalysis, 2004, 16, 779-782.	2.9	6
40	Rapid Identification and Classification of Psychrotrophic Lactic Acid Bacteria by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Bunseki Kagaku, 2007, 56, 1063-1070.	0.2	6
41	Identification of RNA biomarkers for chemical safety screening in mouse embryonic stem cells using RNA deep sequencing analysis. PLoS ONE, 2017, 12, e0182032.	2.5	6
42	Spectroscopic Investigation of Increased Fluorescent Intensity of Fluorescent Dyes When Adsorbed onto Polystyrene Microparticles. Analytical Sciences, 2021, 37, 773-779.	1.6	5
43	Comparative Characterization of Ribosomal Proteins of Lactic Acid Bacteria by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Journal of the Mass Spectrometry Society of Japan, 2008, 56, 1-11.	0.1	4
44	MicroRNA biomarkers for chemical hazard screening identified by RNA deep sequencing analysis in mouse embryonic stem cells. Toxicology and Applied Pharmacology, 2020, 392, 114929.	2.8	3
45	An Evaluation of Sensor Performance for Harmful Compounds by Using Photo-Induced Electron Transfer from Photosynthetic Membranes to Electrodes. Sensors, 2016, 16, 438.	3.8	2
46	Rapid monitoring of RNA degradation activity inÂvivo for mammalian cells. Journal of Bioscience and Bioengineering, 2017, 123, 523-527.	2.2	2
47	Ln³⁺ Adsorption into an Yttrium-Hdehp Coordination Polymer through Exchange with Coordinated Yttrium Ion. Solvent Extraction Research and Development, 2014, 21, 83-87.	0.4	1
48	Effect of methyl p-hydroxybenzoate on the culture of mammalian cell. Drug Discoveries and Therapeutics, 2017, 11, 276-280.	1.5	0