

Mikako Saito

List of Publications by Year in descending order

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papers

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840776

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#	ARTICLE	IF	CITATIONS
1	Anti-Metastatic Function of Extracellular Vesicles Derived from Nanog-Overexpressing Melanoma. <i>Current Oncology</i> , 2022, 29, 1029-1046.	2.2	4
2	Effects of injured and dead cells of <i>Escherichia coli</i> on the colony-forming rate of live cells. <i>FEBS Open Bio</i> , 2021, 11, 404-412.	2.3	1
3	Effect of Nanog overexpression on the metastatic potential of a mouse melanoma cell line B16-BL6. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 2651-2661.	3.1	6
4	Refinement of decision tree to assess the consequences of increased serum ALP in dogs: Additional analysis on toxicity studies of pesticides evaluated recently in Japan. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 124, 104963.	2.7	0
5	Fluorescent Labeling of Connexin with As Complex and X-Y Coordinate Registration of Target Single Cells Based on a Triangle Standard Chip for the Image Analysis of Gap Junctional Communication. <i>Methods in Molecular Biology</i> , 2020, 2346, 191-206.	0.9	0
6	Toxicological significance of increased serum alkaline phosphatase activity in dog studies of pesticides: Analysis of toxicological data evaluated in Japan. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 109, 104482.	2.7	8
7	Enhancement of connexin30.3 expression in mouse embryonic stem cell line EB3 in response to cell-cell contacts. <i>Human Cell</i> , 2019, 32, 95-102.	2.7	2
8	Use of a Right Triangle Chip and Its Engraved Shape as a Transferrable x-y Coordinate System from Light Microscopy to Electron Microscopy. <i>Electrochemistry</i> , 2018, 86, 6-9.	1.4	1
9	Functional role of natural killer T cells in non-obese pre-diabetes model mice. <i>Cytotechnology</i> , 2018, 70, 423-430.	1.6	1
10	Connexin30.3 is expressed in mouse embryonic stem cells and is responsive to leukemia inhibitory factor. <i>Scientific Reports</i> , 2017, 7, 42403.	3.3	12
11	In vitro production of insulin-responsive skeletal muscle tissue from mouse embryonic stem cells by spermine-induced differentiation method. <i>Human Cell</i> , 2017, 30, 162-168.	2.7	2
12	A Tetracysteine-tag and HeLa Cell System for the Dynamic Analysis of the Localization and Gating Properties of a Specific Connexin Isoform. <i>Electrochemistry</i> , 2016, 84, 299-301.	1.4	2
13	Development of an optimized 5-stage protocol for the in vitro preparation of insulin-secreting cells from mouse ES cells. <i>Cytotechnology</i> , 2016, 68, 987-998.	1.6	4
14	Production of a mouse strain with impaired glucose tolerance by systemic heterozygous knockout of the glucokinase gene and its feasibility as a prediabetes model. <i>Experimental Animals</i> , 2015, 64, 231-239.	1.1	2
15	Rapid and retrievable recording of big data of time-lapse 3D shadow images of microbial colonies. <i>Scientific Reports</i> , 2015, 5, 10061.	3.3	2
16	Coating the Outer Surface of Glass Nanopipette with Chlorobenzene-Terminated Polysiloxane. <i>E-Journal of Surface Science and Nanotechnology</i> , 2015, 13, 79-84.	0.4	1
17	Concentration-dependent effects of spermine on apoptosis and consequent generation of multilayer myotube sheets from mouse embryoid bodies in vitro. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2014, 50, 973-981.	1.5	1
18	Flow Cytometric Method for in situ Preparation of Standard Materials of a Small Defined Number of Microbial Cells with Colony-Forming Potentiality. <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 479-483.	1.5	5

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19	Tryptic soy medium is feasible for the in situ preparation of standards containing small defined numbers of microbial cells. <i>Journal of Microbiological Methods</i> , 2013, 93, 49-51.	1.6	4
20	Development of novel cell lines of diabetic dysfunction model fit for cell-based screening tests of medicinal materials. <i>Cytotechnology</i> , 2013, 65, 105-118.	1.6	3
21	Development of a Protocol for Selection of GenesFit for the <i>In Vivo&/i> Knockdown Method and its Application to Insulin Receptor Substrate Genesin Mice. <i>Experimental Animals</i> , 2013, 62, 117-125.	1.1	0
22	Standard operating procedures for maintaining cleanliness in a novel compact facility for breeding SPF mice. <i>Journal of the American Association for Laboratory Animal Science</i> , 2013, 52, 717-24.	1.2	2
23	Utilization of Fluorescent Glucose Analog 2-NBDG as a Metabolic Indicator for FACS Analysis during ES Cell Differentiation. <i>Electrochemistry</i> , 2012, 80, 299-301.	1.4	6
24	Semi-quantitative Analysis of Transient Single-Cell Gene Expression in Embryonic Stem Cells by Femtoinjection. <i>Methods in Molecular Biology</i> , 2010, 650, 155-170.	0.9	2
25	Vitamin B12 Promotes Cx40 and HCN4 Gene Expression at an Early Stage of Cardiomyocyte Differentiation. <i>Experimental Animals</i> , 2009, 58, 57-60.	1.1	10
26	Generation of a multi-layer muscle fiber sheet from mouse ES cells by the spermine action at specific timing and concentration. <i>Differentiation</i> , 2008, 76, 1023-1030.	1.9	12
27	An Instant Cell Recognition System Using a Microfabricated Coordinate Standard Chip Useful for Combinable Cell Observation with Multiple Microscopic Apparatuses. <i>Microscopy and Microanalysis</i> , 2008, 14, 236-242.	0.4	8
28	Comprehensive Analysis of Glucan Elicitor-Regulated Gene Expression in Tobacco BY-2 Cells Reveals a Novel MYB Transcription Factor Involved in the Regulation of Phenylpropanoid Metabolism. <i>Plant and Cell Physiology</i> , 2007, 48, 1404-1413.	3.1	37
29	Characterization of NtChitIV, a class IV chitinase induced by β -1,3-, 1,6-glucan elicitor from <i>Alternaria alternata</i> 102: Antagonistic effect of salicylic acid and methyl jasmonate on the induction of NtChitIV. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 311-317.	2.1	19
30	A real-time method of imaging glucose uptake in single, living mammalian cells. <i>Nature Protocols</i> , 2007, 2, 753-762.	12.0	178
31	Novel β -1,3-, 1,6-oligoglucan elicitor from <i>Alternaria alternata</i> 102 for defense responses in tobacco. <i>FEBS Journal</i> , 2006, 273, 2421-2431.	4.7	44
32	Cell-lytic Activity of Tobacco BY-2 Induced by a Fungal Elicitor from <i>Alternaria alternata</i> Attributed to the Expression of a Class I β -1,3-Glucanase Gene. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 1265-1272.	1.3	4
33	A novel chitinase isozyme in tobacco BY-2 cells induced by the autoclaved <i>Alternaria alternata</i> culture medium. <i>Plant Science</i> , 2004, 167, 811-817.	3.6	6
34	Production of a Cloned Mouse by Nuclear Transfer from a Fetal Fibroblast Cell of a Mouse Closed Colony Strain. <i>Experimental Animals</i> , 2004, 53, 467-469.	1.1	12
35	Isolation of a Novel Isozyme of Tobacco BY-2 Chitinase Induced by a Fungal Elicitor. <i>Plant Biotechnology</i> , 2004, 21, 155-158.	1.0	2
36	Isolation of H ⁺ -translocating ATPase in tonoplast of <i>Tradescantia virginiana</i> L. leaf cells. <i>Journal of Biotechnology</i> , 2003, 100, 221-229.	3.8	0

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37	Expression of rice chitinase gene triggered by the direct injection of Ca ²⁺ . Journal of Biotechnology, 2003, 105, 41-49.	3.8	12
38	Dielectrophoretic Selection of Viable Single-cells of Rice and Tobacco. Electrochemistry, 2003, 71, 446-448.	1.4	1
39	Cytotoxicity of Extracts from <i>Alternaria alternata</i> against Cultured Tobacco BY-2 Cells.. Biocontrol Science, 2002, 7, 127-130.	0.8	6
40	Gene Expression Analysis by Single-Cell Experiment. Seibutsu Butsuri, 2001, 41, 255-257.	0.1	0
41	Elicitor action via cell membrane of a cultured rice cell demonstrated by the single-cell transient assay. Journal of Biotechnology, 2000, 76, 227-232.	3.8	12
42	Microbioelectronics for Single-Cell Experiment. Electrochemistry, 2000, 68, 314-320.	1.4	1
43	Modulation of Ca ²⁺ Influx into a Single Rice Cell with an Electric Signal. Electrochemistry, 2000, 68, 333-336.	1.4	7
44	Use of Acetylene for the Fabrication of a Glass Capillary Carbon Microelectrode. Electrochemistry, 2000, 68, 924-926.	1.4	4
45	Effects of a pulsing electric signal on the cross membrane potential and the cell division potentiality of a single cell of tobacco. Bioelectrochemistry, 1999, 49, 65-72.	1.0	10
46	Control of the Cross Membrane Potential of a Cultured Tobacco Cell and Simultaneous Measurement of the Electrical Impedance of Its Cell Membrane. Electrochemistry, 1999, 67, 18-21.	1.4	2
47	In vivo measurement of the electrical impedance of cell membranes of tobacco cultured cells with a multifunctional microelectrode system. Bioelectrochemistry, 1998, 45, 83-91.	1.0	18
48	Sensitive and real time measurement of root growth by a computer-aided image analyzing system. Communications in Soil Science and Plant Analysis, 1998, 29, 1341-1348.	1.4	0
49	A novel fluorescent derivative of glucose applicable to the assessment of glucose uptake activity of <i>Escherichia coli</i> . Biochimica Et Biophysica Acta - General Subjects, 1996, 1289, 5-9.	2.4	206