

Hiroshi Kimura

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,629
citations

304368

22
h-index

189595

50
g-index

69
all docs

69
docs citations

69
times ranked

3394
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical and virologic characteristics of chronic active Epstein-Barr virus infection. <i>Blood</i> , 2001, 98, 280-286.	0.6	381
2	Organ/body-on-a-chip based on microfluidic technology for drug discovery. <i>Drug Metabolism and Pharmacokinetics</i> , 2018, 33, 43-48.	1.1	334
3	An integrated microfluidic system for long-term perfusion culture and on-line monitoring of intestinal tissue models. <i>Lab on A Chip</i> , 2008, 8, 741.	3.1	257
4	Proposed categorization of pathological states of EBV-associated T/natural killer-cell lymphoproliferative disorder (LPD) in children and young adults: Overlap with chronic active EBV infection and infantile fulminant EBV T-LPD. <i>Pathology International</i> , 2008, 58, 209-217.	0.6	224
5	Long-term ex vivo maintenance of testis tissues producing fertile sperm in a microfluidic device. <i>Scientific Reports</i> , 2016, 6, 21472.	1.6	147
6	Bile canaliculi formation by aligning rat primary hepatocytes in a microfluidic device. <i>Biomicrofluidics</i> , 2011, 5, 22212.	1.2	141
7	Differences between T Cell- γ Type and Natural Killer Cell- γ Type Chronic Active Epstein-Barr Virus Infection. <i>Journal of Infectious Diseases</i> , 2005, 191, 531-539.	1.9	119
8	An On-Chip Small Intestine-Liver Model for Pharmacokinetic Studies. <i>Journal of the Association for Laboratory Automation</i> , 2015, 20, 265-273.	2.8	101
9	Pumpless microfluidic system driven by hydrostatic pressure induces and maintains mouse spermatogenesis in vitro. <i>Scientific Reports</i> , 2017, 7, 15459.	1.6	86
10	Current research on chronic active Epstein-Barr virus infection in Japan. <i>Pediatrics International</i> , 2014, 56, 159-166.	0.2	71
11	Identification of Epstein-Barr Virus (EBV)-Infected Lymphocyte Subtypes by Flow Cytometric In Situ Hybridization in EBV-Associated Lymphoproliferative Diseases. <i>Journal of Infectious Diseases</i> , 2009, 200, 1078-1087.	1.9	63
12	Hydroa Vacciniforme Is Associated with Increased Numbers of Epstein-Barr Virus-Infected T Cells. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1401-1408.	0.3	58
13	ZnO-Based Microfluidic pH Sensor: A Versatile Approach for Quick Recognition of Circulating Tumor Cells in Blood. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5193-5203.	4.0	53
14	Spatiotemporally controlled delivery of soluble factors for stem cell differentiation. <i>Lab on A Chip</i> , 2012, 12, 4508.	3.1	45
15	Epstein-Barr virus NK and T cell lymphoproliferative disease: report of a 2018 international meeting. <i>Leukemia and Lymphoma</i> , 2020, 61, 808-819.	0.6	42
16	Combination of microwell structures and direct oxygenation enables efficient and size-regulated aggregate formation of an insulin-secreting pancreatic β -cell line. <i>Biotechnology Progress</i> , 2014, 30, 178-187.	1.3	41
17	A monolayer microfluidic device supporting mouse spermatogenesis with improved visibility. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 885-891.	1.0	39
18	Neonatal testis growth recreated in vitro by two-dimensional organ spreading. <i>Biotechnology and Bioengineering</i> , 2018, 115, 3030-3041.	1.7	37

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19	Overview of EBV-Associated T/NK-Cell Lymphoproliferative Diseases. <i>Frontiers in Pediatrics</i> , 2018, 6, 417.	0.9	37
20	Identification of a novel alpha β -fetoprotein α -expressing cell population induced by the Jagged1/Notch2 signal in murine fibrotic liver. <i>Hepatology Communications</i> , 2017, 1, 215-229.	2.0	31
21	A pharmacokinetic α -pharmacodynamic model based on multi-organ-on-a-chip for drug α -drug interaction studies. <i>Biomicrofluidics</i> , 2020, 14, 044108.	1.2	28
22	Application of flow cytometric <i>in situ</i> hybridization assay to Epstein-Barr virus-associated T/natural killer cell lymphoproliferative diseases. <i>Cancer Science</i> , 2012, 103, 1481-1488.	1.7	27
23	On-Chip Single Embryo Coculture With Microporous-Membrane-Supported Endometrial Cells. <i>IEEE Transactions on Nanobioscience</i> , 2009, 8, 318-324.	2.2	23
24	In vitro spermatogenesis in two α -dimensionally spread mouse testis tissues. <i>Reproductive Medicine and Biology</i> , 2019, 18, 362-369.	1.0	23
25	Epstein-Barr virus-associated lymphoid malignancies: the expanding spectrum of hematopoietic neoplasms. <i>Nagoya Journal of Medical Science</i> , 2013, 75, 169-79.	0.6	21
26	Rat in vitro spermatogenesis promoted by chemical supplementations and oxygen-tension control. <i>Scientific Reports</i> , 2021, 11, 3458.	1.6	19
27	Coculture with hiPS-derived intestinal cells enhanced human hepatocyte functions in a pneumatic-pressure-driven two-organ microphysiological system. <i>Scientific Reports</i> , 2021, 11, 5437.	1.6	18
28	A Kinetic Pump Integrated Microfluidic Plate (KIM-Plate) with High Usability for Cell Culture-Based Multiorgan Microphysiological Systems. <i>Micromachines</i> , 2021, 12, 1007.	1.4	16
29	Bioprinting Scaffolds for Vascular Tissues and Tissue Vascularization. <i>Bioengineering</i> , 2021, 8, 178.	1.6	14
30	Image-based evaluations of distribution and cytotoxicity of Irinotecan (CPT-11) in a multi-compartment micro-cell coculture device. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 756-762.	1.1	13
31	Fatal natural killer cell lymphoma arising in a patient with a crop of Epstein-Barr virus-associated disorders. <i>European Journal of Dermatology</i> , 2005, 15, 503-6.	0.3	13
32	Effect of fluid shear stress on <i>in vitro</i> cultured ureteric bud cells. <i>Biomicrofluidics</i> , 2018, 12, 044107.	1.2	11
33	Measurement and modelling of tensile moduli of polymer blend thin films with phase separated structures. <i>Polymer</i> , 2020, 190, 122233.	1.8	10
34	Development of a well-of-the-well system-based embryo culture plate with an oxygen sensing photoluminescent probe. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 278-283.	4.0	8
35	Enhanced effects of secreted soluble factor preserve better pluripotent state of embryonic stem cell culture in a membrane-based compartmentalized micro-bioreactor. <i>Biomedical Microdevices</i> , 2010, 12, 1097-1105.	1.4	7
36	<i>C. elegans</i> episodic swimming is driven by multifractal kinetics. <i>Scientific Reports</i> , 2020, 10, 14775.	1.6	7

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37	Development of a microbioreactor for glycoconjugate synthesis. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2092-2098.	1.4	6
38	An optimal serum-free defined condition for in vitro culture of kidney organoids. <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 996-1002.	1.0	6
39	Spatial Chemical Stimulation Control in Microenvironment by Microfluidic Probe Integrated Device for Cell-Based Assay. <i>PLoS ONE</i> , 2016, 11, e0168158.	1.1	6
40	Development of a Multi-Compartment Micro-Cell Culture Device as a Future On-Chip Human: Fabrication of a Three-Compartment Device and Immobilization of Mature Rat Adipocytes for the Evaluation of Chemical Distributions. <i>Journal of Robotics and Mechatronics</i> , 2007, 19, 544-549.	0.5	6
41	Surface modification on polydimethylsiloxane-based microchannels with fragmented poly(L-lactic) Tj ETQq1 1 0.784314 rgBT /Overl	1.2	4
42	Microfluidic Device with Integrated Glucose Sensor for Cell-Based Assay in Toxicology. <i>Journal of Robotics and Mechatronics</i> , 2010, 22, 594-600.	0.5	4
43	Glomerulus-on-a-Chip: Current Insights and Future Potential Towards Recapitulating Selectively Permeable Filtration Systems. <i>International Journal of Nephrology and Renovascular Disease</i> , 2022, Volume 15, 85-101.	0.8	4
44	High-throughput quantitative analysis of axonal transport in cultured neurons from SOD1H46R ALS mice by using a microfluidic device. <i>Neuroscience Research</i> , 2022, 174, 46-52.	1.0	3
45	Microfluidic Perfusion Culture of Human Hepatocytes. <i>Journal of Robotics and Mechatronics</i> , 2007, 19, 550-556.	0.5	3
46	A High-Throughput Device for Patterned Differentiation of Embryoid Bodies. <i>Journal of Robotics and Mechatronics</i> , 2013, 25, 623-630.	0.5	3
47	Induction of alternative fate other than default neuronal fate of embryonic stem cells in a membrane-based two-chambered microbioreactor by cell-secreted BMP4. <i>Biomicrofluidics</i> , 2012, 6, 014117.	1.2	2
48	A Microfluidic Probe Integrated Device for Spatiotemporal 3D Chemical Stimulation in Cells. <i>Micromachines</i> , 2020, 11, 691.	1.4	2
49	Visualization and isolation of zone-specific murine hepatocytes that maintain distinct cytochrome P450 oxidase expression in primary culture. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 420-425.	1.0	2
50	A novel method for successful induction of interdigitating process formation in conditionally immortalized podocytes from mice, rats, and humans. <i>Biochemical and Biophysical Research Communications</i> , 2021, 570, 47-52.	1.0	2
51	Study of Automated Embryo Manipulation Using Dynamic Microarray: Trapping, Culture and Collection. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2009, 129, 245-251.	0.0	2
52	Experimental Study of Web Communication about High-Level Radioactive Waste Analysis of the Changes in Attitudes of the Participants in the ORCAT System. <i>Transactions of the Atomic Energy Society of Japan</i> , 2009, 8, 197-210.	0.2	2
53	Development of On-chip Coculture System for Cytotoxicity Test Using Caco-2 and Hep G2. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2009, 129, 252-258.	0.0	1
54	A novel effect of parylene-based surface coating on HepG2 cell function. <i>Materials Science and Engineering C</i> , 2015, 46, 190-194.	3.8	1

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55	Quantitative analysis of sensitivity to a Wnt3a gradient in determination of the pole-to-pole axis of mitotic cells by using a microfluidic device. FEBS Open Bio, 2018, 8, 1920-1935.	1.0	1
56	On-chip Glucose Sensor for Online Measurement of Cell Activities. IEEJ Transactions on Sensors and Micromachines, 2010, 130, 476-483.	0.0	1
57	In vitro enzymatic electrochemical monitoring of glucose metabolism and production in rat primary hepatocytes on highly O2 permeable plates. Bioelectrochemistry, 2022, 143, 107972.	2.4	1
58	Insulin signaling shapes fractal scaling of C. elegans behavior. Scientific Reports, 2022, 12, .	1.6	1
59	Cell-free Protein Synthesis Conducted by Template DNA with Repetitive Sequence. Chemistry Letters, 2008, 37, 648-649.	0.7	0
60	Pinpoint chemical stimulation at a single-cell scale by microfluidic technology. , 2014, , .		0
61	Evaluation of enzyme immobilization methods on microglucose sensors integrated to a microfluidic device. , 2014, , .		0
62	Development of in vitro embryo production device with sperm sorting function. Transactions of the JSME (in Japanese), 2017, 83, 16-00560-16-00560.	0.1	0
63	Society of Internal Medicine, 2017, 106, 1783-1788.	0.0	0
64	Diversity in self-organized forms and migration modes in isolated epithelial cells. Artificial Life and Robotics, 2020, 25, 523-528.	0.7	0
65	5PM3-PMN-029 High-throughput antibody screening device toward embryo assay. The Proceedings of the Symposium on Micro-Nano Science and Technology, 2013, 2013.5, 75-76.	0.0	0
66	Microphysiological Systems (MPSs) based on Microfluidics as a Platform for Drug Discovery. Drug Delivery System, 2019, 34, 243-248.	0.0	0
67	OP50, a bacterial strain conventionally used as food for laboratory maintenance of , is a biofilm formation defective mutant. MicroPublication Biology, 2020, 2020, .	0.1	0