

Kazuo Takayama

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2937133/publications.pdf>

Version: 2024-02-01

42
papers

1,729
citations

279701

23
h-index

289141

40
g-index

48
all docs

48
docs citations

48
times ranked

2307
citing authors

#	ARTICLE	IF	CITATIONS
1	3D spheroid culture of hESC/hiPSC-derived hepatocyte-like cells for drug toxicity testing. <i>Biomaterials</i> , 2013, 34, 1781-1789.	5.7	247
2	Prediction of interindividual differences in hepatic functions and drug sensitivity by using human iPS-derived hepatocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16772-16777.	3.3	171
3	In Vitro and Animal Models for SARS-CoV-2 research. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 513-517.	4.0	154
4	The promotion of hepatic maturation of human pluripotent stem cells in 3D co-culture using type I collagen and Swiss 3T3 cell sheets. <i>Biomaterials</i> , 2012, 33, 4526-4534.	5.7	99
5	Highly efficient biallelic genome editing of human ES/iPS cells using a CRISPR/Cas9 or TALEN system. <i>Nucleic Acids Research</i> , 2017, 45, 5198-5207.	6.5	80
6	Protective Face Masks: Current Status and Future Trends. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56725-56751.	4.0	76
7	Use of human hepatocyte-like cells derived from induced pluripotent stem cells as a model for hepatocytes in hepatitis C virus infection. <i>Biochemical and Biophysical Research Communications</i> , 2011, 416, 119-124.	1.0	63
8	Protective Face Mask Filter Capable of Inactivating SARS-CoV-2, and Methicillin-Resistant <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> . <i>Polymers</i> , 2021, 13, 207.	2.0	56
9	Efficient and Directive Generation of Two Distinct Endoderm Lineages from Human ESCs and iPSCs by Differentiation Stage-Specific SOX17 Transduction. <i>PLoS ONE</i> , 2011, 6, e21780.	1.1	51
10	Enrichment of high-functioning human iPS cell-derived hepatocyte-like cells for pharmaceutical research. <i>Biomaterials</i> , 2018, 161, 24-32.	5.7	47
11	Modeling of drug-mediated CYP3A4 induction by using human iPS cell-derived enterocyte-like cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 472, 631-636.	1.0	46
12	SARS-CoV-2 infection triggers paracrine senescence and leads to a sustained senescence-associated inflammatory response. <i>Nature Aging</i> , 2022, 2, 115-124.	5.3	43
13	Hepatic maturation of human iPS cell-derived hepatocyte-like cells by ATF5, c/EBP β , and PROX1 transduction. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 424-429.	1.0	39
14	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. <i>Autoimmunity Reviews</i> , 2021, 20, 102941.	2.5	39
15	Cell response analysis in SARS-CoV-2 infected bronchial organoids. <i>Communications Biology</i> , 2022, 5, .	2.0	39
16	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 801-809.	3.6	36
17	Antiviral Face Mask Functionalized with Solidified Hand Soap: Low-Cost Infection Prevention Clothing against Enveloped Viruses Such as SARS-CoV-2. <i>ACS Omega</i> , 2021, 6, 23495-23503.	1.6	36
18	Laminin 411 and 511 promote the cholangiocyte differentiation of human induced pluripotent stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 91-96.	1.0	34

#	ARTICLE	IF	CITATIONS
19	Generation of Human iPSC-Derived Intestinal Epithelial Cell Monolayers by CDX2 Transduction. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 513-526.	2.3	34
20	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. Molecules, 2020, 25, 5906.	1.7	33
21	Billion-scale production of hepatocyte-like cells from human induced pluripotent stem cells. Biochemical and Biophysical Research Communications, 2018, 496, 1269-1275.	1.0	30
22	COVID-19 Vaccines and Thrombosis—Roadblock or Dead-End Street?. Biomolecules, 2021, 11, 1020.	1.8	28
23	Human ESC/iPSC-Derived Hepatocyte-like Cells Achieve Zone-Specific Hepatic Properties by Modulation of WNT Signaling. Molecular Therapy, 2017, 25, 1420-1433.	3.7	25
24	Usability of Polydimethylsiloxane-Based Microfluidic Devices in Pharmaceutical Research Using Human Hepatocytes. ACS Biomaterials Science and Engineering, 2021, 7, 3648-3657.	2.6	23
25	HHEX Promotes Hepatic-Lineage Specification through the Negative Regulation of Eomesodermin. PLoS ONE, 2014, 9, e90791.	1.1	19
26	Non-Woven Infection Prevention Fabrics Coated with Biobased Cranberry Extracts Inactivate Enveloped Viruses Such as SARS-CoV-2 and Multidrug-Resistant Bacteria. International Journal of Molecular Sciences, 2021, 22, 12719.	1.8	19
27	Biocompatible Films of Calcium Alginate Inactivate Enveloped Viruses Such as SARS-CoV-2. Polymers, 2022, 14, 1483.	2.0	17
28	SARS-CoV-2 Research Using Human Pluripotent Stem Cells and Organoids. Stem Cells Translational Medicine, 2021, 10, 1491-1499.	1.6	16
29	Antimicrobial Face Shield: Next Generation of Facial Protective Equipment against SARS-CoV-2 and Multidrug-Resistant Bacteria. International Journal of Molecular Sciences, 2021, 22, 9518.	1.8	16
30	Hepatitis C virus-induced innate immune responses in human iPS cell-derived hepatocyte-like cells. Virus Research, 2017, 242, 7-15.	1.1	13
31	Generation of Optogenetically Modified Adenovirus Vector for Spatiotemporally Controllable Gene Therapy. ACS Chemical Biology, 2018, 13, 449-454.	1.6	13
32	Optimal human iPS cell culture method for efficient hepatic differentiation. Differentiation, 2018, 104, 13-21.	1.0	10
33	Comparison of commercially available media for hepatic differentiation and hepatocyte maintenance. PLoS ONE, 2020, 15, e0229654.	1.1	10
34	Potential Molecular Mechanisms of Rare Anti-Tumor Immune Response by SARS-CoV-2 in Isolated Cases of Lymphomas. Viruses, 2021, 13, 1927.	1.5	10
35	Implications derived from S-protein variants of SARS-CoV-2 from six continents. International Journal of Biological Macromolecules, 2021, 191, 934-955.	3.6	10
36	In Vitro Model for a Drug Assessment of Cytochrome P450 Family 3 Subfamily A Member 4 Substrates Using Human Induced Pluripotent Stem Cells and Genome Editing Technology. Hepatology Communications, 2021, 5, 1385-1399.	2.0	9

#	ARTICLE	IF	CITATIONS
37	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. <i>Autoimmunity Reviews</i> , 2021, 20, 102909.	2.5	7
38	Tolloidâ€Like 1 Negatively Regulates Hepatic Differentiation of Human Induced Pluripotent Stem Cells Through Transforming Growth Factor Beta Signaling. <i>Hepatology Communications</i> , 2020, 4, 255-267.	2.0	6
39	Generation of Tetrafluoroethyleneâ€Propylene Elastomer-Based Microfluidic Devices for Drug Toxicity and Metabolism Studies. <i>ACS Omega</i> , 2021, 6, 24859-24865.	1.6	6
40	Generation of HepG2 Cells with High Expression of Multiple Drug-Metabolizing Enzymes for Drug Discovery Research Using a PITCh System. <i>Cells</i> , 2022, 11, 1677.	1.8	4
41	Would New SARS-CoV-2 Variants Change the War against COVID-19?. <i>Epidemiologia</i> , 2022, 3, 229-237.	1.1	3
42	Asymmetric profiles of infection and innate immunological responses in human iPS cell-derived small intestinal epithelial-like cell monolayers following infection with mammalian reovirus. <i>Virus Research</i> , 2021, 296, 198334.	1.1	2