Kazuo Takayama

List of Publications by Citations

41 papers	1,083 citations	16 h-index	32 g-index
48 ext. papers	1,445 ext. citations	7.1 avg, IF	5.34 L-index

#	Paper	IF	Citations
41	3D spheroid culture of hESC/hiPSC-derived hepatocyte-like cells for drug toxicity testing. *Biomaterials*, **2013**, 34, 1781-9	15.6	209
40	Prediction of interindividual differences in hepatic functions and drug sensitivity by using human iPS-derived hepatocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16772-7	11.5	139
39	In Vitro and Animal Models for SARS-CoV-2 research. *Trends in Pharmacological Sciences*, **2020**, 41, 513-517	13.2	104
38	The promotion of hepatic maturation of human pluripotent stem cells in 3D co-culture using type I collagen and Swiss 3T3 cell sheets. *Biomaterials*, **2012**, 33, 4526-34	15.6	85
37	Highly efficient biallelic genome editing of human ES/iPS cells using a CRISPR/Cas9 or TALEN system. *Nucleic Acids Research*, **2017**, 45, 5198-5207	20.1	58
36	Use of human hepatocyte-like cells derived from induced pluripotent stem cells as a model for hepatocytes in hepatitis C virus infection. *Biochemical and Biophysical Research Communications*, **2011**, 416, 119-24	3.4	57
35	Efficient and directive generation of two distinct endoderm lineages from human ESCs and iPSCs by differentiation stage-specific SOX17 transduction. *PLoS ONE*, **2011**, 6, e21780	3.7	45
34	Modeling of drug-mediated CYP3A4 induction by using human iPS cell-derived enterocyte-like cells. *Biochemical and Biophysical Research Communications*, **2016**, 472, 631-6	3.4	33
33	Protective Face Mask Filter Capable of Inactivating SARS-CoV-2, and Methicillin-Resistant and. *Polymers*, **2021**, 13,	4.5	33
32	Enrichment of high-functioning human iPS cell-derived hepatocyte-like cells for pharmaceutical research. *Biomaterials*, **2018**, 161, 24-32	15.6	29
31	Hepatic maturation of human iPS cell-derived hepatocyte-like cells by ATF5, c/EBP□and PROX1 transduction. *Biochemical and Biophysical Research Communications*, **2016**, 469, 424-9	3.4	28
30	Billion-scale production of hepatocyte-like cells from human induced pluripotent stem cells. *Biochemical and Biophysical Research Communications*, **2018**, 496, 1269-1275	3.4	25
29	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. *International Journal of Biological Macromolecules*, **2021**, 181, 801-809	7.9	25
28	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. *Molecules*, **2020**, 25,	4.8	21
27	Laminin 411 and 511 promote the cholangiocyte differentiation of human induced pluripotent stem cells. *Biochemical and Biophysical Research Communications*, **2016**, 474, 91-96	3.4	20
26	Generation of Human iPSC-Derived Intestinal Epithelial Cell Monolayers by CDX2 Transduction. *Cellular and Molecular Gastroenterology and Hepatology*, **2019**, 8, 513-526	7.9	17
25	Protective Face Masks: Current Status and Future Trends. *ACS Applied Materials & Interfaces*, **2021**, 13, 56725-56751	9.5	16

24	Human ESC/iPSC-Derived Hepatocyte-like Cells Achieve Zone-Specific Hepatic Properties by Modulation of WNT Signaling. *Molecular Therapy*, **2017**, 25, 1420-1433	11.7	15
23	COVID-19 Vaccines and Thrombosis-Roadblock or Dead-End Street?. *Biomolecules*, **2021**, 11,	5.9	13
22	Antiviral Face Mask Functionalized with Solidified Hand Soap: Low-Cost Infection Prevention Clothing against Enveloped Viruses Such as SARS-CoV-2. *ACS Omega*, **2021**, 6, 23495-23503	3.9	12
21	Hepatitis C virus-induced innate immune responses in human iPS cell-derived hepatocyte-like cells. *Virus Research*, **2017**, 242, 7-15	6.4	11
20	HHEX promotes hepatic-lineage specification through the negative regulation of eomesodermin. *PLoS ONE*, **2014**, 9, e90791	3.7	10
19	Generation of Optogenetically Modified Adenovirus Vector for Spatiotemporally Controllable Gene Therapy. *ACS Chemical Biology*, **2018**, 13, 449-454	4.9	9
18	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. *Autoimmunity Reviews*, **2021**, 20, 102941	13.6	9
17	Usability of Polydimethylsiloxane-Based Microfluidic Devices in Pharmaceutical Research Using Human Hepatocytes. *ACS Biomaterials Science and Engineering*, **2021**, 7, 3648-3657	5.5	7
16	Comparison of commercially available media for hepatic differentiation and hepatocyte maintenance. *PLoS ONE*, **2020**, 15, e0229654	3.7	6
15	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,	6.3	6
14	Antimicrobial Face Shield: Next Generation of Facial Protective Equipment against SARS-CoV-2 and Multidrug-Resistant Bacteria. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
13	Optimal human iPS cell culture method for efficient hepatic differentiation. *Differentiation*, **2018**, 104, 13-21	3.5	5
12	SARS-CoV-2 research using human pluripotent stem cells and organoids. *Stem Cells Translational Medicine*, **2021**, 10, 1491-1499	6.9	5
11	Generation of Tetrafluoroethylene-Propylene Elastomer-Based Microfluidic Devices for Drug Toxicity and Metabolism Studies. *ACS Omega*, **2021**, 6, 24859-24865	3.9	4
10	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. *Autoimmunity Reviews*, **2021**, 20, 102909	13.6	4
9	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	6	3
8	Biocompatible Films of Calcium Alginate Inactivate Enveloped Viruses Such as SARS-CoV-2.. *Polymers*, **2022**, 14,	4.5	3
7	Tolloid-Like 1 Negatively Regulates Hepatic Differentiation of Human Induced Pluripotent Stem Cells Through Transforming Growth Factor Beta Signaling. *Hepatology Communications*, **2020**, 4, 255-267	6	1

6	SARS-CoV-2 infection triggers paracrine senescence and leads to a sustained senescence-associated inflammatory response. *Nature Aging*,		1
5	Potential Molecular Mechanisms of Rare Anti-Tumor Immune Response by SARS-CoV-2 in Isolated Cases of Lymphomas. *Viruses*, **2021**, 13,	6.2	1
4	Implications derived from S-protein variants of SARS-CoV-2 from six continents. *International Journal of Biological Macromolecules*, **2021**, 191, 934-955	7.9	1
3	Would New SARS-CoV-2 Variants Change the War against COVID-19?. *Epidemiologia*, **2022**, 3, 229-237	2.8	0
2	Generation of HepG2 Cells with High Expression of Multiple Drug-Metabolizing Enzymes for Drug Discovery Research Using a PITCh System. *Cells*, **2022**, 11, 1677	7.9	0
1	Asymmetric profiles of infection and innate immunological responses in human iPS cell-derived small intestinal epithelial-like cell monolayers following infection with mammalian reovirus. *Virus Research*, **2021**, 296, 198334	6.4	