

Henning Kempf

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

1,091
citations

16
h-index

31
g-index

31
ext. papers

1,411
ext. citations

9.8
avg, IF

4.13
L-index

#	Paper	IF	Citations
29	Continuous human iPSC-macrophage mass production by suspension culture in stirred tank bioreactors.. <i>Nature Protocols</i> , 2022 ,	18.8	2
28	A 3D iPSC-differentiation model identifies interleukin-3 as a regulator of early human hematopoietic specification. <i>Haematologica</i> , 2021 , 106, 1354-1367	6.6	8
27	Human heart-forming organoids recapitulate early heart and foregut development. <i>Nature Biotechnology</i> , 2021 , 39, 737-746	44.5	65
26	Evaluating the Effect of Drug Compounds on Cardiac Spheroids Using the Cardiac Cell Outgrowth Assay. <i>Methods in Molecular Biology</i> , 2019 , 1994, 185-193	1.4	2
25	Comparing human iPSC-cardiomyocytes versus HEK293T cells unveils disease-causing effects of Brugada mutation A735V of Na1.5 sodium channels. <i>Scientific Reports</i> , 2019 , 9, 11173	4.9	16
24	Continuous WNT Control Enables Advanced hPSC Cardiac Processing and Prognostic Surface Marker Identification in Chemically Defined Suspension Culture. <i>Stem Cell Reports</i> , 2019 , 13, 366-379	8	35
23	Scalable Cardiac Differentiation of Pluripotent Stem Cells Using Specific Growth Factors and Small Molecules. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018 , 163, 39-69	1.7	15
22	Expansion of functional personalized cells with specific transgene combinations. <i>Nature Communications</i> , 2018 , 9, 994	17.4	21
21	Differentiation of Human Pluripotent Stem Cells into Functional Endothelial Cells in Scalable Suspension Culture. <i>Stem Cell Reports</i> , 2018 , 10, 1657-1672	8	51
20	Solubilization and renaturation of biologically active human bone morphogenetic protein-4 from inclusion bodies. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2018 , 18, e00249	5.3	2
19	A Cardiac Cell Outgrowth Assay for Evaluating Drug Compounds Using a Cardiac Spheroid-on-a-Chip Device. <i>Bioengineering</i> , 2018 , 5,	5.3	16
18	iPSC-Derived Macrophages Effectively Treat Pulmonary Alveolar Proteinosis in Csf2rb-Deficient Mice. <i>Stem Cell Reports</i> , 2018 , 11, 696-710	8	24
17	Paracrine mechanisms in early differentiation of human pluripotent stem cells: Insights from a mathematical model. <i>Stem Cell Research</i> , 2018 , 32, 1-7	1.6	12
16	Bioreactor-based mass production of human iPSC-derived macrophages enables immunotherapies against bacterial airway infections. <i>Nature Communications</i> , 2018 , 9, 5088	17.4	65
15	Proteomic Analysis of Human Pluripotent Stem Cell Cardiomyogenesis Revealed Altered Expression of Metabolic Enzymes and PDLIM5 Isoforms. <i>Journal of Proteome Research</i> , 2017 , 16, 1133-1149	5.6	20
14	EBIO Does Not Induce Cardiomyogenesis in Human Pluripotent Stem Cells but Modulates Cardiac Subtype Enrichment by Lineage-Selective Survival. <i>Stem Cell Reports</i> , 2017 , 8, 305-317	8	13
13	Sensitivity of human pluripotent stem cells to insulin precipitation induced by peristaltic pump-based medium circulation: considerations on process development. <i>Scientific Reports</i> , 2017 , 7, 3950	4.9	8

12	Bioreactors for Expansion of Pluripotent Stem Cells and Their Differentiation to Cardiac Cells 2016 , 175-200	2
11	Impact of Feeding Strategies on the Scalable Expansion of Human Pluripotent Stem Cells in Single-Use Stirred Tank Bioreactors. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 1289-1301	6.9 90
10	Stiff matrix induces switch to pure β -cardiac myosin heavy chain expression in human ESC-derived cardiomyocytes. <i>Basic Research in Cardiology</i> , 2016 , 111, 68	11.8 39
9	Large-scale production of human pluripotent stem cell derived cardiomyocytes. <i>Advanced Drug Delivery Reviews</i> , 2016 , 96, 18-30	18.5 75
8	Bulk cell density and Wnt/TGFbeta signalling regulate mesendodermal patterning of human pluripotent stem cells. <i>Nature Communications</i> , 2016 , 7, 13602	17.4 74
7	A Microfluidic Bioreactor for Toxicity Testing of Stem Cell Derived 3D Cardiac Bodies. <i>Methods in Molecular Biology</i> , 2016 , 1502, 159-68	1.4 9
6	Cardiac differentiation of human pluripotent stem cells in scalable suspension culture. <i>Nature Protocols</i> , 2015 , 10, 1345-61	18.8 105
5	Fast and efficient multitransgenic modification of human pluripotent stem cells. <i>Human Gene Therapy Methods</i> , 2014 , 25, 136-53	4.9 14
4	Controlling expansion and cardiomyogenic differentiation of human pluripotent stem cells in scalable suspension culture. <i>Stem Cell Reports</i> , 2014 , 3, 1132-46	8 160
3	The use of agarose microwells for scalable embryoid body formation and cardiac differentiation of human and murine pluripotent stem cells. <i>Biomaterials</i> , 2013 , 34, 2463-71	15.6 104
2	Distinct regulation of mitogen-activated protein kinase activities is coupled with enhanced cardiac differentiation of human embryonic stem cells. <i>Stem Cell Research</i> , 2011 , 7, 198-209	1.6 25
1	Scalable production of tissue-like vascularised liver organoids from human PSCs	4