

Igor I Slukvin

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.

73
papers

13,747
citations

28
h-index

78
g-index

78
ext. papers

15,348
ext. citations

6.8
avg, IF

6.03
L-index

#	Paper	IF	Citations
73	Induced pluripotent stem cells-derived hematopoietic progenitors for cellular immunotherapies 2022 , 233-263		0
72	Assessment of Endothelial-to-Hematopoietic Transition of Individual Hemogenic Endothelium and Bulk Populations in Defined Conditions.. <i>Methods in Molecular Biology</i> , 2022 , 2429, 103-124	1.4	
71	3D iPSC modeling of the retinal pigment epithelium-choriocapillaris complex identifies factors involved in the pathology of macular degeneration. <i>Cell Stem Cell</i> , 2021 , 28, 846-862.e8	18	5
70	Transplantation of T-cell receptor α depleted allogeneic bone marrow in nonhuman primates. <i>Experimental Hematology</i> , 2021 , 93, 44-51	3.1	0
69	SOX17 integrates HOXA and arterial programs in hemogenic endothelium to drive definitive lympho-myeloid hematopoiesis. <i>Cell Reports</i> , 2021 , 34, 108758	10.6	6
68	Generation of T cells from Human and Nonhuman Primate Pluripotent Stem Cells. <i>Bio-protocol</i> , 2020 , 10, e3675	0.9	2
67	Cryopreservation of Mauritian Cynomolgus Macaque (\emptyset) Sperm in Chemically Defined Medium. <i>Journal of the American Association for Laboratory Animal Science</i> , 2020 , 59, 681-686	1.3	2
66	Generation of Human Neutrophils from Induced Pluripotent Stem Cells in Chemically Defined Conditions Using Modified mRNA. <i>STAR Protocols</i> , 2020 , 1, 100075-100075	1.4	1
65	Genome editing of CCR5 by CRISPR-Cas9 in Mauritian cynomolgus macaque embryos. <i>Scientific Reports</i> , 2020 , 10, 18457	4.9	6
64	Production, safety and efficacy of iPSC-derived mesenchymal stromal cells in acute steroid-resistant graft versus host disease: a phase I, multicenter, open-label, dose-escalation study. <i>Nature Medicine</i> , 2020 , 26, 1720-1725	50.5	82
63	Megakaryocytic Expansion in Gilteritinib-Treated Acute Myeloid Leukemia Patients Is Associated With AXL Inhibition. <i>Frontiers in Oncology</i> , 2020 , 10, 585151	5.3	2
62	UM171 expands distinct types of myeloid and NK progenitors from human pluripotent stem cells. <i>Scientific Reports</i> , 2019 , 9, 6622	4.9	8
61	Cymerus iPSC-MSCs significantly prolong survival in a pre-clinical, humanized mouse model of Graft-vs-host disease. <i>Stem Cell Research</i> , 2019 , 35, 101401	1.6	26
60	Major Histocompatibility Complex-Matched Arteries Have Similar Patency to Autologous Arteries in a Mauritian Cynomolgus Macaque Major Histocompatibility Complex-Defined Transplant Model. <i>Journal of the American Heart Association</i> , 2019 , 8, e012135	6	3
59	Effective and Rapid Generation of Functional Neutrophils from Induced Pluripotent Stem Cells Using ETV2-Modified mRNA. <i>Stem Cell Reports</i> , 2019 , 13, 1099-1110	8	9
58	SOX17 Is Essential for Integration of Arterial and HOXA Programs in Hemogenic Endothelium. <i>Blood</i> , 2019 , 134, 2476-2476	2.2	2
57	NOTCH Activation at the Hematovascular Mesoderm Stage Facilitates Efficient Generation of T Cells with High Proliferation Potential from Human Pluripotent Stem Cells. <i>Journal of Immunology</i> , 2019 , 202, 770-776	5.3	9

56	Arterial identity of hemogenic endothelium: a key to unlock definitive hematopoietic commitment in human pluripotent stem cell cultures. <i>Experimental Hematology</i> , 2019 , 71, 3-12	3.1	17
55	Functional Heterogeneity of Endothelial Cells Derived from Human Pluripotent Stem Cells. <i>Stem Cells and Development</i> , 2018 , 27, 524-533	4.4	10
54	Optimization of Synthetic mRNA for Highly Efficient Translation and its Application in the Generation of Endothelial and Hematopoietic Cells from Human and Primate Pluripotent Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2018 , 14, 525-534	6.4	15
53	The mesenchymoangioblast, mesodermal precursor for mesenchymal and endothelial cells. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 3507-3520	10.3	24
52	NOTCH signaling specifies arterial-type definitive hemogenic endothelium from human pluripotent stem cells. <i>Nature Communications</i> , 2018 , 9, 1828	17.4	51
51	GATA2 Is Dispensable for Specification of Hemogenic Endothelium but Promotes Endothelial-to-Hematopoietic Transition. <i>Stem Cell Reports</i> , 2018 , 11, 197-211	8	22
50	A Phase I Trial of iPSC-Derived MSCs (CYP-001) in Steroid-Resistant Acute GvHD. <i>Blood</i> , 2018 , 132, 4562-4562	4.562	4
49	Genetic Engineering of Human Pluripotent Stem Cells Using PiggyBac Transposon System. <i>Current Protocols in Stem Cell Biology</i> , 2018 , 47, e63	2.8	9
48	Activation of the Arterial Program Drives Development of Definitive Hemogenic Endothelium with Lymphoid Potential. <i>Cell Reports</i> , 2018 , 23, 2467-2481	10.6	29
47	Specification and Diversification of Pericytes and Smooth Muscle Cells from Mesenchymoangioblasts. <i>Cell Reports</i> , 2017 , 19, 1902-1916	10.6	113
46	Wnt signaling inhibitor FH535 selectively inhibits cell proliferation and potentiates imatinib-induced apoptosis in myeloid leukemia cell lines. <i>International Journal of Hematology</i> , 2017 , 105, 196-205	2.3	5
45	Generating human hematopoietic stem cells in vitro -exploring endothelial to hematopoietic transition as a portal for stemness acquisition. <i>FEBS Letters</i> , 2016 , 590, 4126-4143	3.8	34
44	GSK3 β Inhibition Promotes Efficient Myeloid and Lymphoid Hematopoiesis from Non-human Primate-Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2016 , 6, 243-56	8	21
43	Brown-like adipose progenitors derived from human induced pluripotent stem cells: Identification of critical pathways governing their adipogenic capacity. <i>Scientific Reports</i> , 2016 , 6, 32490	4.9	32
42	A human VE-cadherin-tdTomato and CD43-green fluorescent protein dual reporter cell line for study endothelial to hematopoietic transition. <i>Stem Cell Research</i> , 2016 , 17, 401-405	1.6	8
41	Direct Induction of Hemogenic Endothelium and Blood by Overexpression of Transcription Factors in Human Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2015 , e52910	1.6	4
40	Discovery of survival factor for primitive chronic myeloid leukemia cells using induced pluripotent stem cells. <i>Stem Cell Research</i> , 2015 , 15, 678-693	1.6	25
39	CCR5 Disruption in Induced Pluripotent Stem Cells Using CRISPR/Cas9 Provides Selective Resistance of Immune Cells to CCR5-tropic HIV-1 Virus. <i>Molecular Therapy - Nucleic Acids</i> , 2015 , 4, e268	10.7	94

38	Nonirradiated NOD,B6.SCID Il2r β ⁻ Kit(W41/W41) (NBSGW) mice support multilineage engraftment of human hematopoietic cells. <i>Stem Cell Reports</i> , 2015 , 4, 171-80	8	107
37	Efficient Induction of Myeloid and Lymphoid Hematopoiesis from Nonhuman Primate Pluripotent Stem Cells Using GSK3b Inhibitor. <i>Blood</i> , 2015 , 126, 2363-2363	2.2	1
36	Direct induction of haematoendothelial programs in human pluripotent stem cells by transcriptional regulators. <i>Nature Communications</i> , 2014 , 5, 4372	17.4	119
35	Tenascin C promotes hematoendothelial development and T lymphoid commitment from human pluripotent stem cells in chemically defined conditions. <i>Stem Cell Reports</i> , 2014 , 3, 1073-84	8	62
34	Hematopoietic specification from human pluripotent stem cells: current advances and challenges toward de novo generation of hematopoietic stem cells. <i>Blood</i> , 2013 , 122, 4035-46	2.2	93
33	Deciphering the hierarchy of angiohematopoietic progenitors from human pluripotent stem cells. <i>Cell Cycle</i> , 2013 , 12, 720-7	4.7	28
32	Induction of Pluripotent Stem Cells from Umbilical Cord Blood 2012 ,		3
31	Identification of the hemogenic endothelial progenitor and its direct precursor in human pluripotent stem cell differentiation cultures. <i>Cell Reports</i> , 2012 , 2, 553-67	10.6	142
30	Epicardial origin of cardiac CFU-Fs. <i>Cell Stem Cell</i> , 2011 , 9, 492-3	18	3
29	Hematopoietic differentiation and production of mature myeloid cells from human pluripotent stem cells. <i>Nature Protocols</i> , 2011 , 6, 296-313	18.8	123
28	Generation of red blood cells from human induced pluripotent stem cells. <i>Stem Cells and Development</i> , 2011 , 20, 1639-47	4.4	119
27	Efficient generation of transgene-free induced pluripotent stem cells from normal and neoplastic bone marrow and cord blood mononuclear cells. <i>Blood</i> , 2011 , 117, e109-19	2.2	196
26	Endothelial origin of mesenchymal stem cells. <i>Cell Cycle</i> , 2011 , 10, 1370-3	4.7	35
25	A defined, feeder-free, serum-free system to generate in vitro hematopoietic progenitors and differentiated blood cells from hESCs and hiPSCs. <i>PLoS ONE</i> , 2011 , 6, e17829	3.7	51
24	Identification of Hemogenic Endothelium and Its Direct Precursor in Human Embryonic Stem Cell Differentiation Cultures. <i>Blood</i> , 2011 , 118, 1277-1277	2.2	
23	Modeling CML Development and Drug Resistance Using iPSC Technology,. <i>Blood</i> , 2011 , 118, 3767-3767	2.2	
22	Identification of Distinct Pathways Involved in Regulation of Mesenchymoangioblasts and Hemangioblasts Development From Mesoderm. <i>Blood</i> , 2011 , 118, 1326-1326	2.2	
21	A mesoderm-derived precursor for mesenchymal stem and endothelial cells. <i>Cell Stem Cell</i> , 2010 , 7, 718-29		218

20	Generation of mature blood cells from pluripotent stem cells. <i>Haematologica</i> , 2010 , 95, 1621-3	6.6	5
19	Generation of mature human myelomonocytic cells through expansion and differentiation of pluripotent stem cell-derived lin-CD34+CD43+CD45+ progenitors. <i>Journal of Clinical Investigation</i> , 2009 , 119, 2818-29	15.9	153
18	Hematopoietic and endothelial differentiation of human induced pluripotent stem cells. <i>Stem Cells</i> , 2009 , 27, 559-67	5.8	289
17	Renin-angiotensin system and hemangioblast development from human embryonic stem cells. <i>Expert Review of Hematology</i> , 2009 , 2, 137-43	2.8	6
16	Human induced pluripotent stem cells free of vector and transgene sequences. <i>Science</i> , 2009 , 324, 797-803	33.3	1871
15	Neoplastic blood cells become pluripotent. <i>Blood</i> , 2009 , 114, 5409-10	2.2	2
14	Hematopoietic and Endothelial Differentiation of Human Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2009 , 27, 559-567	5.8	352
13	Molecular profiling reveals similarities and differences between primitive subsets of hematopoietic cells generated in vitro from human embryonic stem cells and in vivo during embryogenesis. <i>Experimental Hematology</i> , 2008 , 36, 1377-89	3.1	17
12	Hematopoietic Differentiation of Human Induced Pluripotent Stem Cells. <i>Blood</i> , 2008 , 112, 731-731	2.2	
11	Differential requirements for hematopoietic commitment between human and rhesus embryonic stem cells. <i>Stem Cells</i> , 2007 , 25, 490-9	5.8	15
10	Induced pluripotent stem cell lines derived from human somatic cells. <i>Science</i> , 2007 , 318, 1917-20	33.3	8063
9	Hematoendothelial differentiation of human embryonic stem cells. <i>Current Protocols in Cell Biology</i> , 2007 , Chapter 23, Unit 23.6	2.3	52
8	Directed differentiation of human embryonic stem cells to dendritic cells. <i>Methods in Molecular Biology</i> , 2007 , 407, 275-93	1.4	8
7	Leukosialin (CD43) defines hematopoietic progenitors in human embryonic stem cell differentiation cultures. <i>Blood</i> , 2006 , 108, 2095-105	2.2	266
6	Directed differentiation of human embryonic stem cells into functional dendritic cells through the myeloid pathway. <i>Journal of Immunology</i> , 2006 , 176, 2924-32	5.3	105
5	Human embryonic stem cell-derived CD34+ cells: efficient production in the coculture with OP9 stromal cells and analysis of lymphohematopoietic potential. <i>Blood</i> , 2005 , 105, 617-26	2.2	522
4	Lymphoepithelioma-like carcinoma of the vulva: a case report. <i>Journal of Lower Genital Tract Disease</i> , 2003 , 7, 136-9	3.6	7
3	Combined serous microcystic adenoma and well-differentiated endocrine pancreatic neoplasm: a case report and review of the literature. <i>Archives of Pathology and Laboratory Medicine</i> , 2003 , 127, 1369-72	5.2	15

2	Morphologic studies of the placenta and autopsy findings in neonatal-onset glutaric acidemia type II. <i>Pediatric and Developmental Pathology</i> , 2002 , 5, 315-21	2.2	7
1	Selective expression of NKG2-A and NKG2-C mRNAs and novel alternative splicing of 5Uexons in rhesus monkey decidua. <i>Immunogenetics</i> , 2001 , 53, 69-73	3.2	11