Igor I Slukvin

List of Publications by Year
in descending order

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75 papers	16,529 citations	159358 30 h-index	91712 69 g-index
78 all docs	78 docs citations	78 times ranked	16760 citing authors

#	Article	IF	Citations
1	Induced pluripotent stem cellsâ€"derived hematopoietic progenitors for cellular immunotherapies. , 2022, , 233-263.		1
2	Generation of SIV-resistant TÂcells and macrophages from nonhuman primate induced pluripotent stem cells with edited CCR5 locus. Stem Cell Reports, 2022, 17, 953-963.	2.3	8
3	Assessment of safety and immunogenicity of MHC homozygous iPSC-derived CD34+ hematopoietic progenitors in an NHP model. Blood Advances, 2022, 6, 5267-5278.	2.5	6
4	Assessment of Endothelial-to-Hematopoietic Transition of Individual Hemogenic Endothelium and Bulk Populations in Defined Conditions. Methods in Molecular Biology, 2022, 2429, 103-124.	0.4	0
5	Transplantation of T-cell receptor Î±/Î²-depleted allogeneic bone marrow in nonhuman primates. Experimental Hematology, 2021, 93, 44-51.	0.2	3
6	SOX17 integrates HOXA and arterial programs in hemogenic endothelium to drive definitive lympho-myeloid hematopoiesis. Cell Reports, 2021, 34, 108758.	2.9	27
7	3D iPSC modeling of the retinal pigment epithelium-choriocapillaris complex identifies factors involved in the pathology of macular degeneration. Cell Stem Cell, 2021, 28, 846-862.e8.	5.2	30
8	Generation of Human Neutrophils from Induced Pluripotent Stem Cells in Chemically Defined Conditions Using ETV2 Modified mRNA. STAR Protocols, 2020, 1, 100075.	0.5	4
9	Genome editing of CCR5 by CRISPR-Cas9 in Mauritian cynomolgus macaque embryos. Scientific Reports, 2020, 10, 18457.	1.6	16
10	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. Nature Medicine, 2020, 26, 1720-1725.	15.2	187
11	Megakaryocytic Expansion in Gilteritinib-Treated Acute Myeloid Leukemia Patients Is Associated With AXL Inhibition. Frontiers in Oncology, 2020, 10, 585151.	1.3	3
12	Cryopreservation of Mauritian Cynomolgus Macaque (<i>Macaca fascicularis</i>) Sperm in Chemically Defined Medium. Journal of the American Association for Laboratory Animal Science, 2020, 59, 681-686.	0.6	3
13	Generation of T cells from Human and Nonhuman Primate Pluripotent Stem Cells. Bio-protocol, 2020, 10, e3675.	0.2	4
14	Major Histocompatibility Complexâ€"Matched Arteries Have Similar Patency to Autologous Arteries in a Mauritian Cynomolgus Macaque Major Histocompatibility Complexâ€"Defined Transplant Model. Journal of the American Heart Association, 2019, 8, e012135.	1.6	7
15	Effective and Rapid Generation of Functional Neutrophils from Induced Pluripotent Stem Cells Using ETV2-Modified mRNA. Stem Cell Reports, 2019, 13, 1099-1110.	2.3	31
16	UM171 expands distinct types of myeloid and NK progenitors from human pluripotent stem cells. Scientific Reports, 2019, 9, 6622.	1.6	21
17	Cymerusâ„¢ iPSC-MSCs significantly prolong survival in a pre-clinical, humanized mouse model of Graft-vs-host disease. Stem Cell Research, 2019, 35, 101401.	0.3	46
18	NOTCH Activation at the Hematovascular Mesoderm Stage Facilitates Efficient Generation of T Cells with High Proliferation Potential from Human Pluripotent Stem Cells. Journal of Immunology, 2019, 202, 770-776.	0.4	14

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19	Arterial identity of hemogenic endothelium: a key to unlock definitive hematopoietic commitment in human pluripotent stem cell cultures. Experimental Hematology, 2019, 71, 3-12.	0.2	31
20	SOX17 Is Essential for Integration of Arterial and HOXA Programs in Hemogenic Endothelium. Blood, 2019, 134, 2476-2476.	0.6	3
21	Functional Heterogeneity of Endothelial Cells Derived from Human Pluripotent Stem Cells. Stem Cells and Development, 2018, 27, 524-533.	1.1	12
22	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. Stem Cell Reviews and Reports, 2018, 14, 525-534.	5.6	28
23	Genetic Engineering of Human Pluripotent Stem Cells UsingÂPiggyBac Transposon System. Current Protocols in Stem Cell Biology, 2018, 47, e63.	3.0	15
24	Activation of the Arterial Program Drives Development of Definitive Hemogenic Endothelium with Lymphoid Potential. Cell Reports, 2018, 23, 2467-2481.	2.9	51
25	The mesenchymoangioblast, mesodermal precursor for mesenchymal and endothelial cells. Cellular and Molecular Life Sciences, 2018, 75, 3507-3520.	2.4	35
26	NOTCH signaling specifies arterial-type definitive hemogenic endothelium from human pluripotent stem cells. Nature Communications, 2018, 9, 1828.	5.8	97
27	GATA2 Is Dispensable for Specification of Hemogenic Endothelium but Promotes Endothelial-to-Hematopoietic Transition. Stem Cell Reports, 2018, 11, 197-211.	2.3	33
28	A Phase I Trial of iPSC-Derived MSCs (CYP-001) in Steroid-Resistant Acute GvHD. Blood, 2018, 132, 4562-4562.	0.6	6
29	Specification and Diversification of Pericytes and Smooth Muscle Cells from Mesenchymoangioblasts. Cell Reports, 2017, 19, 1902-1916.	2.9	187
30	Wnt signaling inhibitor FH535 selectively inhibits cell proliferation and potentiates imatinib-induced apoptosis in myeloid leukemia cell lines. International Journal of Hematology, 2017, 105, 196-205.	0.7	9
31	Brown-like adipose progenitors derived from human induced pluripotent stem cells: Identification of critical pathways governing their adipogenic capacity. Scientific Reports, 2016, 6, 32490.	1.6	42
32	A human VE-cadherin-tdTomato and CD43-green fluorescent protein dual reporter cell line for study endothelial to hematopoietic transition. Stem Cell Research, 2016, 17, 401-405.	0.3	8
33	Generating human hematopoietic stem cells <i>in vitro</i> â€"exploring endothelial to hematopoietic transition as a portal for stemness acquisition. FEBS Letters, 2016, 590, 4126-4143.	1.3	44
34	GSK3Î^{2} Inhibition Promotes Efficient Myeloid and Lymphoid Hematopoiesis from Non-human Primate-Induced Pluripotent Stem Cells. Stem Cell Reports, 2016, 6, 243-256.	2.3	34
35	Direct Induction of Hemogenic Endothelium and Blood by Overexpression of Transcription Factors in Human Pluripotent Stem Cells. Journal of Visualized Experiments, 2015, , e52910.	0.2	5
36	Discovery of survival factor for primitive chronic myeloid leukemia cells using induced pluripotent stem cells. Stem Cell Research, 2015, 15, 678-693.	0.3	33

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37	CCR5 Disruption in Induced Pluripotent Stem Cells Using CRISPR/Cas9 Provides Selective Resistance of Immune Cells to CCR5-tropic HIV-1 Virus. Molecular Therapy - Nucleic Acids, 2015, 4, e268.	2.3	122
38	Nonirradiated NOD,B6.SCID Il2rÎ³â^'/â^' KitW41/W41 (NBSGW) Mice Support Multilineage Engraftment of Human Hematopoietic Cells. Stem Cell Reports, 2015, 4, 171-180.	2.3	175
39	Efficient Induction of Myeloid and Lymphoid Hematopoiesis from Nonhuman Primate Pluripotent Stem Cells Using GSK3b Inhibitor. Blood, 2015, 126, 2363-2363.	0.6	1
40	Tenascin C Promotes Hematoendothelial Development and T Lymphoid Commitment from Human Pluripotent Stem Cells in Chemically Defined Conditions. Stem Cell Reports, 2014, 3, 1073-1084.	2.3	75
41	Direct induction of haematoendothelial programs in human pluripotent stem cells by transcriptional regulators. Nature Communications, 2014, 5, 4372.	5.8	160
42	Hematopoietic specification from human pluripotent stem cells: current advances and challenges toward de novo generation of hematopoietic stem cells. Blood, 2013, 122, 4035-4046.	0.6	117
43	Deciphering the hierarchy of angiohematopoietic progenitors from human pluripotent stem cells. Cell Cycle, 2013, 12, 720-727.	1.3	28
44	Identification of the Hemogenic Endothelial Progenitor and Its Direct Precursor in Human Pluripotent Stem Cell Differentiation Cultures. Cell Reports, 2012, 2, 553-567.	2.9	174
45	Induced Pluripotent Stem Cells and Erythrocyte Production. Blood, 2012, 120, SCI-38-SCI-38.	0.6	0
46	Generation of Red Blood Cells from Human Induced Pluripotent Stem Cells. Stem Cells and Development, 2011, 20, 1639-1647.	1.1	143
47	Epicardial Origin of Cardiac CFU-Fs. Cell Stem Cell, 2011, 9, 492-493.	5.2	3
48	Hematopoietic differentiation and production of mature myeloid cells from human pluripotent stem cells. Nature Protocols, 2011, 6, 296-313.	5.5	137
49	Efficient generation of transgene-free induced pluripotent stem cells from normal and neoplastic bone marrow and cord blood mononuclear cells. Blood, 2011, 117, e109-e119.	0.6	231
50	Endothelial origin of mesenchymal stem cells. Cell Cycle, 2011, 10, 1370-1373.	1.3	42
51	A Defined, Feeder-Free, Serum-Free System to Generate In Vitro Hematopoietic Progenitors and Differentiated Blood Cells from hESCs and hiPSCs. PLoS ONE, 2011, 6, e17829.	1.1	68
52	Identification of Hemogenic Endothelium and Its Direct Precursor in Human Embryonic Stem Cell Differentiation Cultures. Blood, 2011, 118, 1277-1277.	0.6	0
53	Modeling CML Development and Drug Resistance Using iPSC Technology,. Blood, 2011, 118, 3767-3767.	0.6	1
54	Identification of Distinct Pathways Involved in Regulation of Mesenchymoangioblasts and Hemangioblasts Development From Mesoderm. Blood, 2011, 118, 1326-1326.	0.6	0

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55	Generation of mature blood cells from pluripotent stem cells. Haematologica, 2010, 95, 1621-1623.	1.7	7
56	A Mesoderm-Derived Precursor for Mesenchymal Stem and Endothelial Cells. Cell Stem Cell, 2010, 7, 718-729.	5.2	269
57	Generation of mature human myelomonocytic cells through expansion and differentiation of pluripotent stem cellâ€"derived linâ€"CD34+CD43+CD45+ progenitors. Journal of Clinical Investigation, 2009, 119, 2818-2829.	3.9	179
58	Hematopoietic and Endothelial Differentiation of Human Induced Pluripotent Stem Cells. Stem Cells, 2009, 27, 559-567.	1.4	351
59	Reninâ€"angiotensin system and hemangioblast development from human embryonic stem cells. Expert Review of Hematology, 2009, 2, 137-143.	1.0	6
60	Human Induced Pluripotent Stem Cells Free of Vector and Transgene Sequences. Science, 2009, 324, 797-801.	6.0	2,167
61	Neoplastic blood cells become pluripotent. Blood, 2009, 114, 5409-5410.	0.6	3
62	Hematopoietic and endothelial differentiation of human induced pluripotent stem cells. Stem Cells, 2009, 27, 559-567.	1.4	377
63	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. Experimental Hematology, 2008, 36, 1377-1389.	0.2	17
64	Hematopoietic Differentiation of Human Induced Pluripotent Stem Cells. Blood, 2008, 112, 731-731.	0.6	0
65	Hematoendothelial Differentiation of Human Embryonic Stem Cells. Current Protocols in Cell Biology, 2007, 36, Unit 23.6.	2.3	57
66	Differential Requirements for Hematopoietic Commitment Between Human and Rhesus Embryonic Stem Cells. Stem Cells, 2007, 25, 490-499.	1.4	15
67	Induced Pluripotent Stem Cell Lines Derived from Human Somatic Cells. Science, 2007, 318, 1917-1920.	6.0	9,459
68	Directed Differentiation of Human Embryonic Stem Cells to Dendritic Cells. Methods in Molecular Biology, 2007, 407, 275-293.	0.4	8
69	Directed Differentiation of Human Embryonic Stem Cells into Functional Dendritic Cells through the Myeloid Pathway. Journal of Immunology, 2006, 176, 2924-2932.	0.4	118
70	Leukosialin (CD43) defines hematopoietic progenitors in human embryonic stem cell differentiation cultures. Blood, 2006, 108, 2095-2105.	0.6	311
71	Human embryonic stem cellâ€"derived CD34+ cells: efficient production in the coculture with OP9 stromal cells and analysis of lymphohematopoietic potential. Blood, 2005, 105, 617-626.	0.6	577
72	Lymphoepithelioma-Like Carcinoma of the Vulva: A Case Report. Journal of Lower Genital Tract Disease, 2003, 7, 136-139.	0.9	7

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73	Combined Serous Microcystic Adenoma and Well-Differentiated Endocrine Pancreatic Neoplasm: A Case Report and Review of the Literature. Archives of Pathology and Laboratory Medicine, 2003, 127, 1369-1372.	1.2	18
74	Morphologic Studies of the Placenta and Autopsy Findings in Neonatal-onset Glutaric Acidemia Type II. Pediatric and Developmental Pathology, 2002, 5, 315-321.	0.5	7
75	Selective expression of NKG2-A and NKG2 - C mRNAs and novel alternative splicing of 5â€² exons in rhesus monkey decidua. Immunogenetics, 2001, 53, 69-73.	1.2	12