

Jun Seita

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

10,430
citations

94269

37
h-index

233125

45
g-index

58
all docs

58
docs citations

58
times ranked

17982
citing authors

#	ARTICLE	IF	CITATIONS
1	Epigenetic memory in induced pluripotent stem cells. <i>Nature</i> , 2010, 467, 285-290.	13.7	2,011
2	Deficiencies in DNA damage repair limit the function of haematopoietic stem cells with age. <i>Nature</i> , 2007, 447, 725-729.	13.7	994
3	A molecular cell atlas of the human lung from single-cell RNA sequencing. <i>Nature</i> , 2020, 587, 619-625.	13.7	963
4	Hematopoietic stem cell: self-renewal versus differentiation. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010, 2, 640-653.	6.6	666
5	Identification and Specification of the Mouse Skeletal Stem Cell. <i>Cell</i> , 2015, 160, 285-298.	13.5	571
6	Comprehensive methylome map of lineage commitment from haematopoietic progenitors. <i>Nature</i> , 2010, 467, 338-342.	13.7	554
7	Anti-CD47 antibody-mediated phagocytosis of cancer by macrophages primes an effective antitumor T-cell response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11103-11108.	3.3	518
8	Identification of the Human Skeletal Stem Cell. <i>Cell</i> , 2018, 175, 43-56.e21.	13.5	425
9	Quiescent Hematopoietic Stem Cells Accumulate DNA Damage during Aging that Is Repaired upon Entry into Cell Cycle. <i>Cell Stem Cell</i> , 2014, 15, 37-50.	5.2	373
10	Hoxb5 marks long-term haematopoietic stem cells and reveals a homogenous perivascular niche. <i>Nature</i> , 2016, 530, 223-227.	13.7	275
11	Ly6d marks the earliest stage of B-cell specification and identifies the branchpoint between B-cell and T-cell development. <i>Genes and Development</i> , 2009, 23, 2376-2381.	2.7	254
12	Gene Expression Commons: An Open Platform for Absolute Gene Expression Profiling. <i>PLoS ONE</i> , 2012, 7, e40321.	1.1	227
13	Identification of the earliest natural killer cell-committed progenitor in murine bone marrow. <i>Blood</i> , 2011, 118, 5439-5447.	0.6	178
14	Quantification of Self-Renewal Capacity in Single Hematopoietic Stem Cells from Normal and Lnk-Deficient Mice. <i>Developmental Cell</i> , 2005, 8, 907-914.	3.1	170
15	Adult mouse hematopoietic stem cells: purification and single-cell assays. <i>Nature Protocols</i> , 2006, 1, 2979-2987.	5.5	164
16	Hematopoietic Stem Cell Quiescence Attenuates DNA Damage Response and Permits DNA Damage Accumulation During Aging. <i>Cell Cycle</i> , 2007, 6, 2371-2376.	1.3	155
17	Aged skeletal stem cells generate an inflammatory degenerative niche. <i>Nature</i> , 2021, 597, 256-262.	13.7	143
18	Lnk negatively regulates self-renewal of hematopoietic stem cells by modifying thrombopoietin-mediated signal transduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2349-2354.	3.3	133

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19	Clonal precursor of bone, cartilage, and hematopoietic niche stromal cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12643-12648.	3.3	116
20	Establishment of a Normal Hematopoietic and Leukemia Stem Cell Hierarchy. Cold Spring Harbor Symposia on Quantitative Biology, 2008, 73, 439-449.	2.0	115
21	IL-1 β -driven neutrophilia preserves antibacterial defense in the absence of the kinase IKK β . Nature Immunology, 2011, 12, 144-150.	7.0	102
22	Isolation of primitive endoderm, mesoderm, vascular endothelial and trophoblast progenitors from human pluripotent stem cells. Nature Biotechnology, 2012, 30, 531-542.	9.4	102
23	Transcriptional activation of hypoxia-inducible factor-1 (HIF-1) in myeloid cells promotes angiogenesis through VEGF and S100A8. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2698-2703.	3.3	90
24	Global Transcriptional Profiling Reveals Distinct Functions of Thymic Stromal Subsets and Age-Related Changes during Thymic Involution. Cell Reports, 2014, 9, 402-415.	2.9	87
25	Murine Peritoneal Macrophages Induce a Novel 60-kDa Protein with Structural Similarity to a Tyrosine Kinase p56lck-Associated Protein in Response to Oxidative Stress. Biochemical and Biophysical Research Communications, 1996, 226, 456-460.	1.0	81
26	Interleukin-27 directly induces differentiation in hematopoietic stem cells. Blood, 2008, 111, 1903-1912.	0.6	78
27	Carotid and aortic screening for coronary artery bypass grafting. Annals of Thoracic Surgery, 2000, 70, 2034-2039.	0.7	76
28	Do Pluripotent Stem Cells Exist in Adult Mice as Very Small Embryonic Stem Cells?. Stem Cell Reports, 2013, 1, 198-208.	2.3	75
29	Prospective isolation of human erythroid lineage-committed progenitors. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9638-9643.	3.3	74
30	Surgical adhesions in mice are derived from mesothelial cells and can be targeted by antibodies against mesothelial markers. Science Translational Medicine, 2018, 10, .	5.8	70
31	Clonal-level lineage commitment pathways of hematopoietic stem cells in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1447-1456.	3.3	68
32	Complex mammalian-like haematopoietic system found in a colonial chordate. Nature, 2018, 564, 425-429.	13.7	60
33	Myeloid Cell Origins, Differentiation, and Clinical Implications. Microbiology Spectrum, 2016, 4, .	1.2	59
34	MiDReG: A method of mining developmentally regulated genes using Boolean implications. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5732-5737.	3.3	57
35	Identification of Multipotent Progenitors that Emerge Prior to Hematopoietic Stem Cells in Embryonic Development. Stem Cell Reports, 2014, 2, 457-472.	2.3	55
36	Discriminating cellular heterogeneity using microwell-based RNA cytometry. Nature Communications, 2014, 5, 3451.	5.8	49

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37	Development and validation of a deep-learning model for scoring of radiographic finger joint destruction in rheumatoid arthritis. <i>Rheumatology Advances in Practice</i> , 2019, 3, rkz047.	0.3	42
38	Differential DNA Damage Response in Stem and Progenitor Cells. <i>Cell Stem Cell</i> , 2010, 7, 145-147.	5.2	41
39	CD153/CD30 signaling promotes age-dependent tertiary lymphoid tissue expansion and kidney injury. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	36
40	The GABA receptor GABRR1 is expressed on and functional in hematopoietic stem cells and megakaryocyte progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18416-18422.	3.3	28
41	Neutrophil and monocyte kinetics play critical roles in mouse peritoneal adhesion formation. <i>Blood Advances</i> , 2019, 3, 2713-2721.	2.5	25
42	Screening for genes that regulate the differentiation of human megakaryocytic lineage cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9308-E9316.	3.3	22
43	Geriatric fragility fractures are associated with a human skeletal stem cell defect. <i>Aging Cell</i> , 2020, 19, e13164.	3.0	22
44	Upregulation of CD11A on Hematopoietic Stem Cells Denotes the Loss of Long-Term Reconstitution Potential. <i>Stem Cell Reports</i> , 2014, 3, 707-715.	2.3	19
45	Surgical Management of a Penetrated Greenfield Inferior Vena Cava Filter. <i>Thoracic and Cardiovascular Surgeon</i> , 2001, 49, 243-244.	0.4	5
46	Myeloid Cell Origins, Differentiation, and Clinical Implications. , 2017, , 857-875.		1
47	Hematopoietic stem cell quiescence attenuates DNA damage repair and response contributing to age-dependent DNA damage accumulation. <i>Experimental Hematology</i> , 2014, 42, S24.	0.2	0
48	Negative Hematopoietic Scaffold Lnk Upregulates Integrin Outside-In Signaling in Platelets.. <i>Blood</i> , 2005, 106, 382-382.	0.6	0
49	Adaptor Protein Lnk Negatively Controls the Likelihood of Self-Renewal in Hematopoietic Stem Cells.. <i>Blood</i> , 2006, 108, 1316-1316.	0.6	0
50	Clonal Level Lineage Commitment of Mouse Hematopoietic Stem Cells in Vivo. <i>Blood</i> , 2012, 120, 27-27.	0.6	0
51	Prospective Isolation Of Human Erythroid Lineage-Committed Progenitors. <i>Blood</i> , 2013, 122, 3418-3418.	0.6	0
52	Leukemia Cell Differentiation upon Targeted Therapy Revealed By a Systems Biology Approach. <i>Blood</i> , 2014, 124, 5202-5202.	0.6	0
53	Abstract A13: Hypoxia-inducible factor-1 (HIF-1) in myeloid cells promotes angiogenesis by regulating VEGF and S100A8 production. , 2015, , .		0
54	Abstract A2-35: Discovery of differentiation therapeutics using a systems biology approach. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
55	Abstract B2-12: A systems biology approach for the discovery of differentiation therapeutics. , 2015, , .		0