

William E Lowry

List of Publications by Citations

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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.

71
papers

9,017
citations

35
h-index

80
g-index

80
ext. papers

10,232
ext. citations

11.8
avg, IF

5.75
L-index

#	Paper	IF	Citations
71	Defining the epithelial stem cell niche in skin. <i>Science</i> , 2004 , 303, 359-63	33.3	1636
70	Self-renewal, multipotency, and the existence of two cell populations within an epithelial stem cell niche. <i>Cell</i> , 2004 , 118, 635-48	56.2	1146
69	Generation of human induced pluripotent stem cells from dermal fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 2883-8	11.5	857
68	Induced pluripotent stem cells and embryonic stem cells are distinguished by gene expression signatures. <i>Cell Stem Cell</i> , 2009 , 5, 111-23	18	816
67	Identification and classification of chromosomal aberrations in human induced pluripotent stem cells. <i>Cell Stem Cell</i> , 2010 , 7, 521-31	18	595
66	Canonical notch signaling functions as a commitment switch in the epidermal lineage. <i>Genes and Development</i> , 2006 , 20, 3022-35	12.6	311
65	Defining the impact of beta-catenin/Tcf transactivation on epithelial stem cells. <i>Genes and Development</i> , 2005 , 19, 1596-611	12.6	308
64	Directed differentiation of human-induced pluripotent stem cells generates active motor neurons. <i>Stem Cells</i> , 2009 , 27, 806-11	5.8	288
63	Female human iPSCs retain an inactive X chromosome. <i>Cell Stem Cell</i> , 2010 , 7, 329-42	18	223
62	Progress in understanding reprogramming to the induced pluripotent state. <i>Nature Reviews Genetics</i> , 2011 , 12, 253-65	30.1	220
61	Derivation of primordial germ cells from human embryonic and induced pluripotent stem cells is significantly improved by coculture with human fetal gonadal cells. <i>Stem Cells</i> , 2009 , 27, 783-95	5.8	202
60	Glycolytic Metabolism Plays a Functional Role in Regulating Human Pluripotent Stem Cell State. <i>Cell Stem Cell</i> , 2016 , 19, 476-490	18	153
59	Control of intestinal stem cell function and proliferation by mitochondrial pyruvate metabolism. <i>Nature Cell Biology</i> , 2017 , 19, 1027-1036	23.4	152
58	A Single-Cell Transcriptomic Atlas of Human Neocortical Development during Mid-gestation. <i>Neuron</i> , 2019 , 103, 785-801.e8	13.9	148
57	Defining the origins of Ras/p53-mediated squamous cell carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7425-30	11.5	142
56	Systematic optimization of an engineered hydrogel allows for selective control of human neural stem cell survival and differentiation after transplantation in the stroke brain. <i>Biomaterials</i> , 2016 , 105, 145-155	15.6	135
55	Molecular analyses of human induced pluripotent stem cells and embryonic stem cells. <i>Cell Stem Cell</i> , 2010 , 7, 263-9	18	133

54	Lactate dehydrogenase activity drives hair follicle stem cell activation. <i>Nature Cell Biology</i> , 2017 , 19, 1017-1026.120		
53	Delivery of iPS-NPCs to the Stroke Cavity within a Hyaluronic Acid Matrix Promotes the Differentiation of Transplanted Cells. <i>Advanced Functional Materials</i> , 2014 , 24, 7053-7062	15.6	117
52	Defining the nature of human pluripotent stem cell progeny. <i>Cell Research</i> , 2012 , 22, 178-93	24.7	108
51	Extracellular Matrix Remodeling Regulates Glucose Metabolism through TXNIP Destabilization. <i>Cell</i> , 2018 , 175, 117-132.e21	56.2	95
50	Refining the role for adult stem cells as cancer cells of origin. <i>Trends in Cell Biology</i> , 2015 , 25, 11-20	18.3	90
49	Hydrogel design of experiments methodology to optimize hydrogel for iPSC-NPC culture. <i>Advanced Healthcare Materials</i> , 2015 , 4, 534-9	10.1	75
48	Human Embryonic Stem Cells Do Not Change Their X Inactivation Status during Differentiation. <i>Cell Reports</i> , 2017 , 18, 54-67	10.6	72
47	let-7 miRNAs can act through notch to regulate human gliogenesis. <i>Stem Cell Reports</i> , 2014 , 3, 758-73	8	72
46	Stem cell quiescence acts as a tumour suppressor in squamous tumours. <i>Nature Cell Biology</i> , 2014 , 16, 99-107	23.4	57
45	Dynamic distribution of linker histone H1.5 in cellular differentiation. <i>PLoS Genetics</i> , 2012 , 8, e1002879	6	55
44	Melanocyte Stem Cell Activation and Translocation Initiate Cutaneous Melanoma in Response to UV Exposure. <i>Cell Stem Cell</i> , 2017 , 21, 665-678.e6	18	54
43	Defining the role of oxygen tension in human neural progenitor fate. <i>Stem Cell Reports</i> , 2014 , 3, 743-57	8	48
42	Copy number variant analysis of human embryonic stem cells. <i>Stem Cells</i> , 2008 , 26, 1484-9	5.8	42
41	From skin biopsy to neurons through a pluripotent intermediate under Good Manufacturing Practice protocols. <i>Stem Cells Translational Medicine</i> , 2012 , 1, 36-43	6.9	41
40	The WNT10B Network Is Associated with Survival and Metastases in Chemoresistant Triple-Negative Breast Cancer. <i>Cancer Research</i> , 2019 , 79, 982-993	10.1	37
39	Generation and characterization of transgene-free human induced pluripotent stem cells and conversion to putative clinical-grade status. <i>Stem Cell Research and Therapy</i> , 2013 , 4, 87	8.3	36
38	Roadblocks en route to the clinical application of induced pluripotent stem cells. <i>Journal of Cell Science</i> , 2010 , 123, 643-51	5.3	36
37	Differentiation of RPE cells from integration-free iPS cells and their cell biological characterization. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 217	8.3	33

36	SMRT compounds abrogate cellular phenotypes of ataxia telangiectasia in neural derivatives of patient-specific hiPSCs. <i>Nature Communications</i> , 2013 , 4, 1824	17.4	31
35	Loss of MECP2 Leads to Activation of P53 and Neuronal Senescence. <i>Stem Cell Reports</i> , 2018 , 10, 1453-1463	28	
34	Engineered HA hydrogel for stem cell transplantation in the brain: Biocompatibility data using a design of experiment approach. <i>Data in Brief</i> , 2017 , 10, 202-209	1.2	27
33	Signaling in adult stem cells. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 3911-27	2.8	27
32	Nipah virus envelope-pseudotyped lentiviruses efficiently target ephrinB2-positive stem cell populations in vitro and bypass the liver sink when administered in vivo. <i>Journal of Virology</i> , 2013 , 87, 2094-108	6.6	24
31	Apparent bias toward long gene misregulation in MeCP2 syndromes disappears after controlling for baseline variations. <i>Nature Communications</i> , 2018 , 9, 3225	17.4	23
30	Identification of neural oscillations and epileptiform changes in human brain organoids. <i>Nature Neuroscience</i> , 2021 , 24, 1488-1500	25.5	20
29	Increased lactate dehydrogenase activity is dispensable in squamous carcinoma cells of origin. <i>Nature Communications</i> , 2019 , 10, 91	17.4	19
28	Defining Transcriptional Signatures of Human Hair Follicle Cell States. <i>Journal of Investigative Dermatology</i> , 2020 , 140, 764-773.e4	4.3	12
27	PTK7 marks the first human developmental EMT in vitro. <i>PLoS ONE</i> , 2012 , 7, e50432	3.7	11
26	Topical Inhibition of the Electron Transport Chain Can Stimulate the Hair Cycle. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 968-972	4.3	9
25	E-cadherin, a new mixer in the Yamanaka cocktail. <i>EMBO Reports</i> , 2011 , 12, 613-4	6.5	9
24	Patient-derived glial enriched progenitors repair functional deficits due to white matter stroke and vascular dementia in rodents. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	8
23	Exploiting Mouse Models to Study Ras-Induced Cutaneous Squamous Cell Carcinoma. <i>Journal of Investigative Dermatology</i> , 2016 , 136, 1543-1548	4.3	8
22	Defining Transcriptional Regulatory Mechanisms for Primary let-7 miRNAs. <i>PLoS ONE</i> , 2017 , 12, e0169237	3.7	7
21	Tumor suppressor identity can contribute to heterogeneity of phenotype in hair follicle stem cell-induced squamous cell carcinoma. <i>Experimental Dermatology</i> , 2016 , 25, 733-5	4	7
20	A small molecule screen to identify regulators of let-7 targets. <i>Scientific Reports</i> , 2017 , 7, 15973	4.9	6
19	Does transcription factor induced pluripotency accurately mimic embryo derived pluripotency?. <i>Current Opinion in Genetics and Development</i> , 2012 , 22, 429-34	4.9	6

18	Manipulation of neural progenitor fate through the oxygen sensing pathway. <i>Methods</i> , 2018 , 133, 44-53	4.6	5
17	Mapping Metabolism: Monitoring Lactate Dehydrogenase Activity Directly in Tissue. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	5
16	Hmga2 is dispensable for cutaneous squamous cell carcinoma. <i>Experimental Dermatology</i> , 2016 , 25, 409-42	4.2	5
15	Development of Novel Mitochondrial Pyruvate Carrier Inhibitors to Treat Hair Loss. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 2046-2063	8.3	5
14	The expansion of thymopoiesis in neonatal mice is dependent on expression of high mobility group a 2 protein (Hmga2). <i>PLoS ONE</i> , 2015 , 10, e0125414	3.7	3
13	Exploiting the origins of Ras mediated squamous cell carcinoma to develop novel therapeutic interventions. <i>Small GTPases</i> , 2011 , 2, 318-321	2.7	3
12	Hip to the Game: YAP/TAZ is required for nonmelanoma skin cancers. <i>EMBO Journal</i> , 2018 , 37,	13	2
11	Identifying gene expression modules that define human cell fates. <i>Stem Cell Research</i> , 2016 , 16, 712-24	1.6	2
10	K Locus Effects in Gray Wolves: Experimental Assessment of TLR3 Signaling and the Gene Expression Response to Canine Distemper Virus. <i>Journal of Heredity</i> , 2021 , 112, 458-468	2.4	2
9	The reprogramming method matters. <i>Nature Biomedical Engineering</i> , 2017 , 1, 779-781	19	1
8	TDG regulates cell cycle progression in human neural progenitors. <i>F1000Research</i> , 7 , 497	3.6	1
7	Inhibition of pyruvate oxidation as a versatile stimulator of the hair cycle in models of alopecia. <i>Experimental Dermatology</i> , 2021 , 30, 448-456	4	1
6	Defining a Role for G-Protein Coupled Receptor/cAMP/CRE-Binding Protein Signaling in Hair Follicle Stem Cell Activation. <i>Journal of Investigative Dermatology</i> , 2021 ,	4.3	1
5	RNA editing as an activator of self-renewal in cancer. <i>Stem Cell Investigation</i> , 2016 , 3, 68	5.1	1
4	Reliable generation of glial enriched progenitors from human fibroblast-derived iPSCs. <i>Stem Cell Research</i> , 2021 , 55, 102458	1.6	1
3	Defining the nature of human pluripotent stem cell-derived interneurons via single-cell analysis. <i>Stem Cell Reports</i> , 2021 , 16, 2548-2564	8	1
2	Its written all over your face: The molecular and physiological consequences of aging skin. <i>Mechanisms of Ageing and Development</i> , 2020 , 190, 111315	5.6	0
1	-Oh no! hiPSCs misplace their 5hmCs. <i>Cell Stem Cell</i> , 2013 , 13, 10-1	18	

