

Neil A Hanley

List of Publications by Year in descending order

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94
papers

7,097
citations

57758

44
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60623

81
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105
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105
docs citations

105
times ranked

11211
citing authors

#	ARTICLE	IF	CITATIONS
1	Human $\hat{2}$ Cell Transcriptome Analysis Uncovers lncRNAs That Are Tissue-Specific, Dynamically Regulated, and Abnormally Expressed in Type 2 Diabetes. <i>Cell Metabolism</i> , 2012, 16, 435-448.	16.2	410
2	Hypoxia inducible factors regulate pluripotency and proliferation in human embryonic stem cells cultured at reduced oxygen tensions. <i>Reproduction</i> , 2010, 139, 85-97.	2.6	342
3	Steroidogenic Factor 1: an Essential Mediator of Endocrine Development. <i>Endocrine Reviews</i> , 2002, 57, 19-36.	6.7	325
4	Mutation of ALMS1, a large gene with a tandem repeat encoding 47 amino acids, causes Alström syndrome. <i>Nature Genetics</i> , 2002, 31, 79-83.	21.4	291
5	Phenotypic and functional analyses show stem cell-derived hepatocyte-like cells better mimic fetal rather than adult hepatocytes. <i>Journal of Hepatology</i> , 2015, 62, 581-589.	3.7	271
6	Development of the Human Pancreas From Foregut to Endocrine Commitment. <i>Diabetes</i> , 2013, 62, 3514-3522.	0.6	247
7	Human pancreas development. <i>Development (Cambridge)</i> , 2015, 142, 3126-3137.	2.5	236
8	In humans, early cortisol biosynthesis provides a mechanism to safeguard female sexual development. <i>Journal of Clinical Investigation</i> , 2006, 116, 953-960.	8.2	235
9	Subcellular Localization of ALMS1 Supports Involvement of Centrosome and Basal Body Dysfunction in the Pathogenesis of Obesity, Insulin Resistance, and Type 2 Diabetes. <i>Diabetes</i> , 2005, 54, 1581-1587.	0.6	212
10	Assessing the Safety of Stem Cell Therapeutics. <i>Cell Stem Cell</i> , 2011, 8, 618-628.	11.1	205
11	TEAD and YAP regulate the enhancer network of human embryonic pancreatic progenitors. <i>Nature Cell Biology</i> , 2015, 17, 615-626.	10.3	188
12	Perrault Syndrome Is Caused by Recessive Mutations in CLPP, Encoding a Mitochondrial ATP-Dependent Chambered Protease. <i>American Journal of Human Genetics</i> , 2013, 92, 605-613.	6.2	186
13	PAK proteins and YAP-1 signalling downstream of integrin beta-1 in myofibroblasts promote liver fibrosis. <i>Nature Communications</i> , 2016, 7, 12502.	12.8	162
14	Expression Profiles of SF-1, DAX1, and CYP17 in the Human Fetal Adrenal Gland: Potential Interactions in Gene Regulation. <i>Molecular Endocrinology</i> , 2001, 15, 57-68.	3.7	160
15	Maturation of Induced Pluripotent Stem Cell Derived Hepatocytes by 3D-Culture. <i>PLoS ONE</i> , 2014, 9, e86372.	2.5	156
16	Inactivating PAPS2 Mutations in a Patient with Premature Pubarche. <i>New England Journal of Medicine</i> , 2009, 360, 2310-2318.	27.0	139
17	Derivation of Human Embryonic Germ Cells: An Alternative Source of Pluripotent Stem Cells. <i>Stem Cells</i> , 2003, 21, 598-609.	3.2	125
18	The Early Human Germ Cell Lineage Does Not Express SOX2 During In Vivo Development or upon In Vitro Culture ¹ . <i>Biology of Reproduction</i> , 2008, 78, 852-858.	2.7	116

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19	Proteome-wide analyses of human hepatocytes during differentiation and dedifferentiation. <i>Hepatology</i> , 2013, 58, 799-809.	7.3	113
20	Insights Into the Molecular Mechanism for Type 2 Diabetes Susceptibility at the <i>KCNQ1</i> Locus From Temporal Changes in Imprinting Status in Human Islets. <i>Diabetes</i> , 2013, 62, 987-992.	0.6	112
21	Understanding the role of SOX9 in acquired diseases: lessons from development. <i>Trends in Molecular Medicine</i> , 2011, 17, 166-174.	6.7	111
22	Periderm prevents pathological epithelial adhesions during embryogenesis. <i>Journal of Clinical Investigation</i> , 2014, 124, 3891-3900.	8.2	105
23	Ectopic SOX9 Mediates Extracellular Matrix Deposition Characteristic of Organ Fibrosis. <i>Journal of Biological Chemistry</i> , 2008, 283, 14063-14071.	3.4	100
24	Hospital length of stay for COVID-19 patients: Data-driven methods for forward planning. <i>BMC Infectious Diseases</i> , 2021, 21, 700.	2.9	99
25	Centriolar Association of ALMS1 and Likely Centrosomal Functions of the ALMS Motif-containing Proteins C10orf90 and KIAA1731. <i>Molecular Biology of the Cell</i> , 2010, 21, 3617-3629.	2.1	97
26	The soluble form of a disintegrin and metalloprotease 33 promotes angiogenesis: Implications for airway remodeling in asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 121, 1400-1406.e4.	2.9	94
27	Characterization and Multipotentiality of Human Fetal Femur-Derived Cells: Implications for Skeletal Tissue Regeneration. <i>Stem Cells</i> , 2006, 24, 1042-1053.	3.2	92
28	Muscarinic Acetylcholine Receptor M3 Mutation Causes Urinary Bladder Disease and a Prune-Belly-like Syndrome. <i>American Journal of Human Genetics</i> , 2011, 89, 668-674.	6.2	89
29	Osteopontin is a novel downstream target of SOX9 with diagnostic implications for progression of liver fibrosis in humans. <i>Hepatology</i> , 2012, 56, 1108-1116.	7.3	81
30	Generation of Multipotent Foregut Stem Cells from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2013, 1, 293-306.	4.8	77
31	Biocompatibility and osteogenic potential of human fetal femur-derived cells on surface selective laser sintered scaffolds. <i>Acta Biomaterialia</i> , 2009, 5, 2063-2071.	8.3	68
32	Stem cell-derived hepatocytes as a predictive model for drug-induced liver injury: are we there yet?. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 885-896.	2.4	68
33	Generating hepatic cell lineages from pluripotent stem cells for drug toxicity screening. <i>Stem Cell Research</i> , 2010, 5, 4-22.	0.7	66
34	Development of a Transgenic Green Fluorescent Protein Lineage Marker for Steroidogenic Factor 1. <i>Molecular Endocrinology</i> , 2002, 16, 2360-2370.	3.7	64
35	The Diabetic Phenotype in <i>HNF4A</i> Mutation Carriers Is Moderated By the Expression of <i>HNF4A</i> Isoforms From the P1 Promoter During Fetal Development. <i>Diabetes</i> , 2008, 57, 1745-1752.	0.6	64
36	LRIG2 Mutations Cause Urofacial Syndrome. <i>American Journal of Human Genetics</i> , 2013, 92, 259-264.	6.2	63

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37	An integrative transcriptomic atlas of organogenesis in human embryos. <i>ELife</i> , 2016, 5, .	6.0	61
38	Evaluating Human Embryonic Germ Cells: Concord and Conflict as Pluripotent Stem Cells. <i>Stem Cells</i> , 2006, 24, 212-220.	3.2	57
39	A Novel Immunomodulator, FTY-720 Reverses Existing Cardiac Hypertrophy and Fibrosis From Pressure Overload by Targeting NFAT (Nuclear Factor of Activated T-cells) Signaling and Periostin. <i>Circulation: Heart Failure</i> , 2013, 6, 833-844.	3.9	57
40	Stem cellâ€‘derived models to improve mechanistic understanding and prediction of human drugâ€‘induced liver injury. <i>Hepatology</i> , 2017, 65, 710-721.	7.3	54
41	The human fetal adrenal cortex and the window of sexual differentiation. <i>Trends in Endocrinology and Metabolism</i> , 2006, 17, 391-397.	7.1	53
42	Alternative pathway androgen biosynthesis and human fetal female virilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22294-22299.	7.1	50
43	Identification of a primitive intestinal transcription factor network shared between esophageal adenocarcinoma and its precancerous precursor state. <i>Genome Research</i> , 2019, 29, 723-736.	5.5	50
44	Tissue-specific knockouts of steroidogenic factor 1. <i>Molecular and Cellular Endocrinology</i> , 2004, 215, 89-94.	3.2	49
45	Steroidogenic factor 1 (SF-1) is essential for ovarian development and function. <i>Molecular and Cellular Endocrinology</i> , 2000, 163, 27-32.	3.2	48
46	A Human Stem Cell Model of Fabry Disease Implicates LIMP-2 Accumulation in Cardiomyocyte Pathology. <i>Stem Cell Reports</i> , 2019, 13, 380-393.	4.8	48
47	The window period of NEUROGENIN3 during human gestation. <i>Islets</i> , 2014, 6, e954436.	1.8	47
48	SF-1: a critical mediator of steroidogenesis. <i>Molecular and Cellular Endocrinology</i> , 2001, 171, 5-7.	3.2	46
49	Spatiotemporal analysis of putative notochordal cell markers reveals CD24 and keratins 8, 18, and 19 as notochordâ€‘specific markers during early human intervertebral disc development. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1327-1340.	2.3	46
50	Expression Profiles of SF-1, DAX1, and CYP17 in the Human Fetal Adrenal Gland: Potential Interactions in Gene Regulation. <i>Molecular Endocrinology</i> , 2001, 15, 57-68.	3.7	45
51	Human notochordal cell transcriptome unveils potential regulators of cell function in the developing intervertebral disc. <i>Scientific Reports</i> , 2018, 8, 12866.	3.3	44
52	Analysis of SOX2 expression in developing human testis and germ cell neoplasia. <i>International Journal of Developmental Biology</i> , 2010, 54, 755-760.	0.6	42
53	Weighing up Î²-cell mass in mice and humans: Self-renewal, progenitors or stem cells?. <i>Molecular and Cellular Endocrinology</i> , 2008, 288, 79-85.	3.2	39
54	Inactivation of Six2 in mouse identifies a novel genetic mechanism controlling development and growth of the cranial base. <i>Developmental Biology</i> , 2010, 344, 720-730.	2.0	38

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55	<scp>SOX</scp> 9 predicts progression toward cirrhosis in patients while its loss protects against liver fibrosis. <i>EMBO Molecular Medicine</i> , 2017, 9, 1696-1710.	6.9	38
56	Laser Capture and Deep Sequencing Reveals the Transcriptomic Programmes Regulating the Onset of Pancreas and Liver Differentiation in Human Embryos. <i>Stem Cell Reports</i> , 2017, 9, 1387-1394.	4.8	37
57	Deoxyribonucleic Acid Methylation Controls Cell Type-Specific Expression of Steroidogenic Factor 1. <i>Endocrinology</i> , 2008, 149, 5599-5609.	2.8	33
58	MicroRNA-122: A Novel Hepatocyte-Enriched in vitro Marker of Drug-Induced Cellular Toxicity. <i>Toxicological Sciences</i> , 2015, 144, 173-185.	3.1	33
59	The Methyltransferase WBSCR22/Merm1 Enhances Glucocorticoid Receptor Function and Is Regulated in Lung Inflammation and Cancer. <i>Journal of Biological Chemistry</i> , 2014, 289, 8931-8946.	3.4	32
60	Generation of Distal Airway Epithelium from Multipotent Human Foregut Stem Cells. <i>Stem Cells and Development</i> , 2015, 24, 1680-1690.	2.1	31
61	SOX9 regulated matrix proteins are increased in patients serum and correlate with severity of liver fibrosis. <i>Scientific Reports</i> , 2018, 8, 17905.	3.3	30
62	Age-specific changes in sex steroid biosynthesis and sex development. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2007, 21, 393-401.	4.7	29
63	Embryonic stem cells to beta-cells by understanding pancreas development. <i>Molecular and Cellular Endocrinology</i> , 2008, 288, 86-94.	3.2	29
64	Understanding the burden of interstitial lung disease post-COVID-19: the UK Interstitial Lung Disease-Long COVID Study (UKILD-Long COVID). <i>BMJ Open Respiratory Research</i> , 2021, 8, e001049.	3.0	28
65	Transcriptional regulation of the Alstr�m syndrome gene ALMS1 by members of the RFX family and Sp1. <i>Gene</i> , 2010, 460, 20-29.	2.2	27
66	Human embryonic germ cells for future neuronal replacement therapy. <i>Brain Research Bulletin</i> , 2005, 68, 76-82.	3.0	22
67	In vitro expression of NGN3 identifies RAB3B as the predominant Ras-associated GTP-binding protein 3 family member in human islets. <i>Journal of Endocrinology</i> , 2010, 207, 151-161.	2.6	22
68	SOX9 is required for kidney fibrosis and activates NAV3 to drive renal myofibroblast function. <i>Science Signaling</i> , 2021, 14, .	3.6	22
69	Induction of a disintegrin and metalloprotease 33 during embryonic lung development and the influence of IL-13 or maternal allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 590-597.e11.	2.9	21
70	Altered Phenotype of β -Cells and Other Pancreatic Cell Lineages in Patients With Diffuse Congenital Hyperinsulinism in Infancy Caused by Mutations in the ATP-Sensitive K-Channel. <i>Diabetes</i> , 2015, 64, 3182-3188.	0.6	20
71	Epimorphin Alters the Inhibitory Effects of SOX9 on Mmp13 in Activated Hepatic Stellate Cells. <i>PLoS ONE</i> , 2014, 9, e100091.	2.5	19
72	The stress of starvation: glucocorticoid restraint of beta cell development. <i>Diabetologia</i> , 2011, 54, 223-226.	6.3	18

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73	Dynamic changes in the epigenomic landscape regulate human organogenesis and link to developmental disorders. <i>Nature Communications</i> , 2020, 11, 3920.	12.8	17
74	Cushing's syndrome in women with polycystic ovaries and hyperandrogenism. <i>Nature Clinical Practice Endocrinology and Metabolism</i> , 2007, 3, 778-783.	2.8	14
75	Common Polymorphisms at the <i>CYP17A1</i> Locus Associate With Steroid Phenotype. <i>Hypertension</i> , 2016, 67, 724-732.	2.7	14
76	Phospholamban and sarcolipin are maintained in the endoplasmic reticulum by retrieval from the ER-Golgi intermediate compartment. <i>Cardiovascular Research</i> , 2007, 74, 114-123.	3.8	13
77	A tissue-specific, <i>Gata6</i> -driven transcriptional program instructs remodeling of the mature arterial tree. <i>ELife</i> , 2017, 6, .	6.0	13
78	The adrenal cortex and sexual differentiation during early human development. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2009, 10, 43-49.	5.7	12
79	Mitchell-Riley syndrome iPSC exhibit reduced pancreatic endoderm differentiation due to an <i>RFX6</i> mutation. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	10
80	Stem cell marker TRA-1-60 is expressed in foetal and adult kidney and upregulated in tubulo-interstitial disease. <i>Histochemistry and Cell Biology</i> , 2010, 134, 355-369.	1.7	8
81	Donor insulin therapy in intensive care predicts early outcomes after pancreas transplantation. <i>Diabetologia</i> , 2021, 64, 1375-1384.	6.3	7
82	<i>CDH12</i> as a Candidate Gene for Kidney Injury in Posterior Urethral Valve Cases: A Genome-wide Association Study Among Patients with Obstructive Uropathies. <i>European Urology Open Science</i> , 2021, 28, 26-35.	0.4	7
83	The self-orientation of mammalian cells in optical tweezers—the importance of the nucleus. <i>Physical Biology</i> , 2012, 9, 024001.	1.8	6
84	Closing in on pancreatic beta cells. <i>Nature Biotechnology</i> , 2014, 32, 1100-1102.	17.5	6
85	Donor insulin use predicts beta cell function after islet transplantation. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 1874-1879.	4.4	6
86	<i>EINCR1</i> is an EGF inducible lincRNA overexpressed in lung adenocarcinomas. <i>PLoS ONE</i> , 2017, 12, e0181902.	2.5	5
87	Derivation of a novel undifferentiated human foetal phenotype in serum-free cultures with BMP2. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3541-3555.	3.6	4
88	Reply to Flück et al.: Alternative androgen pathway biosynthesis drives fetal female virilization in P450 oxidoreductase deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14634-14635.	7.1	4
89	Commonalities in the endocrinology of stem cell biology and organ regeneration. <i>Molecular and Cellular Endocrinology</i> , 2008, 288, 1-5.	3.2	3
90	Health Technology Adoption in Liver Disease: Innovative Use of Data Science Solutions for Early Disease Detection. <i>Frontiers in Digital Health</i> , 2022, 4, 737729.	2.8	3

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91	Culture of the Human Germ Cell Lineage. , 0, , 107-132.		2
92	Donor insulin use during stay in the intensive care unit should not preclude pancreas transplantation. Reply to Ventura-Aguilar P, Montagud-Marrahi E, Amor AJ et al [letter]. Diabetologia, 2021, 64, 2124-2125.	6.3	1
93	Slugs and snails, or sugar and spice?: Sex determination and sexual differentiation. Biochemist, 2002, 24, 12-15.	0.5	0
94	Optical Classification of Human Embryonic Stem Cells. , 2013, , .		0