

# Amander T Clark

## 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.

104  
papers

9,761  
citations

41  
h-index

98  
g-index

114  
ext. papers

11,178  
ext. citations

11.3  
avg, IF

5.83  
L-index

#	Paper	IF	Citations
104	Human reproduction is regulated by retrotransposons derived from ancient Hominidae-specific viral infections.. <i>Nature Communications</i> , <b>2022</b> , 13, 463	17.4	1
103	The role of MORC3 in silencing transposable elements in mouse embryonic stem cells. <i>Epigenetics and Chromatin</i> , <b>2021</b> , 14, 49	5.8	1
102	Generation of six human induced pluripotent stem cell sublines (MZT01E, MZT01F, MZT01N and MZT02D, MZT02G and MZT02H) for reproductive science research. <i>Stem Cell Research</i> , <b>2021</b> , 51, 102204	1.6	1
101	Modelling human blastocysts by reprogramming fibroblasts into iBlastoids. <i>Nature</i> , <b>2021</b> , 591, 627-632	50.4	70
100	Single-cell analysis of the developing human testis reveals somatic niche cell specification and fetal germline stem cell establishment. <i>Cell Stem Cell</i> , <b>2021</b> , 28, 764-778.e4	18	21
99	Postpubertal spermatogonial stem cell transplantation restores functional sperm production in rhesus monkeys irradiated before and after puberty. <i>Andrology</i> , <b>2021</b> , 9, 1603-1616	4.2	5
98	Human embryo research, stem cell-derived embryo models and in vitro gametogenesis: Considerations leading to the revised ISSCR guidelines. <i>Stem Cell Reports</i> , <b>2021</b> , 16, 1416-1424	8	15
97	ISSCR Guidelines for Stem Cell Research and Clinical Translation: The 2021 update. <i>Stem Cell Reports</i> , <b>2021</b> , 16, 1398-1408	8	27
96	Generation of three human induced pluripotent stem cell sublines (UCLAi005-A, UCLAi005-B and UCLAi005-C) for reproductive science research. <i>Stem Cell Research</i> , <b>2021</b> , 54, 102409	1.6	1
95	Mentorship in Science: Response to AlShebli et al., Nature Communications 2020. <i>Stem Cell Reports</i> , <b>2021</b> , 16, 1-2	8	2
94	Mammalian primordial germ cell specification. <i>Development (Cambridge)</i> , <b>2021</b> , 148,	6.6	9
93	Generation of three human induced pluripotent stem cell sublines (UCLAi004-A, UCLAi004-B, and UCLAi004-C) for reproductive science research. <i>Stem Cell Research</i> , <b>2021</b> , 54, 102446	1.6	0
92	Divergent roles for KLF4 and TFCEP2L1 in naive ground state pluripotency and human primordial germ cell development. <i>Stem Cell Research</i> , <b>2021</b> , 55, 102493	1.6	2
91	An Extended Culture System that Supports Human Primordial Germ Cell-like Cell Survival and Initiation of DNA Methylation Erasure. <i>Stem Cell Reports</i> , <b>2020</b> , 14, 433-446	8	13
90	Standing on the shoulders of giants: The changing landscape of pluripotent stem cells in research. <i>Anatomical Record</i> , <b>2020</b> , 303, 2597-2602	2.1	1
89	Female human primordial germ cells display X-chromosome dosage compensation despite the absence of X-inactivation. <i>Nature Cell Biology</i> , <b>2020</b> , 22, 1436-1446	23.4	19
88	Reprogramming roadmap reveals route to human induced trophoblast stem cells. <i>Nature</i> , <b>2020</b> , 586, 101-107	50.4	38

87	Generation of three human induced pluripotent stem cell sublines (MZT04D, MZT04J, MZT04C) for reproductive science research. <i>Stem Cell Research</i> , <b>2019</b> , 40, 101576	1.6	4
86	Human Primordial Germ Cells Are Specified from Lineage-Primed Progenitors. <i>Cell Reports</i> , <b>2019</b> , 29, 4568-4582.e5	10.6	44
85	Modeling Progressive Fibrosis with Pluripotent Stem Cells Identifies an Anti-fibrotic Small Molecule. <i>Cell Reports</i> , <b>2019</b> , 29, 3488-3505.e9	10.6	10
84	TFAP2C regulates transcription in human naive pluripotency by opening enhancers. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 553-564	23.4	73
83	Mitochondrial DNA selection in human germ cells. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 118-120	23.4	4
82	TRIM28-Regulated Transposon Repression Is Required for Human Germline Competency and Not Primed or Naive Human Pluripotency. <i>Stem Cell Reports</i> , <b>2018</b> , 10, 243-256	8	17
81	Deriving Dorsal Spinal Sensory Interneurons from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , <b>2018</b> , 10, 390-405	8	19
80	PRDM14 is expressed in germ cell tumors with constitutive overexpression altering human germline differentiation and proliferation. <i>Stem Cell Research</i> , <b>2018</b> , 27, 46-56	1.6	18
79	The TFAP2C-Regulated OCT4 Naive Enhancer Is Involved in Human Germline Formation. <i>Cell Reports</i> , <b>2018</b> , 25, 3591-3602.e5	10.6	29
78	Differentiation of primate primordial germ cell-like cells following transplantation into the adult gonadal niche. <i>Nature Communications</i> , <b>2018</b> , 9, 5339	17.4	22
77	Restoring Fertility with Human Induced Pluripotent Stem Cells: Are We There Yet?. <i>Cell Stem Cell</i> , <b>2018</b> , 23, 777-779	18	4
76	Nuclear Localization of Mitochondrial TCA Cycle Enzymes as a Critical Step in Mammalian Zygotic Genome Activation. <i>Cell</i> , <b>2017</b> , 168, 210-223.e11	56.2	123
75	An integration-free, virus-free rhesus macaque induced pluripotent stem cell line (riPSC90) from embryonic fibroblasts. <i>Stem Cell Research</i> , <b>2017</b> , 21, 5-8	1.6	5
74	New Monoclonal Antibodies to Defined Cell Surface Proteins on Human Pluripotent Stem Cells. <i>Stem Cells</i> , <b>2017</b> , 35, 626-640	5.8	14
73	Human Embryonic Stem Cells Do Not Change Their X Inactivation Status during Differentiation. <i>Cell Reports</i> , <b>2017</b> , 18, 54-67	10.6	72
72	Human Naive Pluripotent Stem Cells Model X Chromosome Dampening and X Inactivation. <i>Cell Stem Cell</i> , <b>2017</b> , 20, 87-101	18	136
71	Primate Primordial Germ Cells Acquire Transplantation Potential by Carnegie Stage 23. <i>Stem Cell Reports</i> , <b>2017</b> , 9, 329-341	8	12
70	Modeling human infertility with pluripotent stem cells. <i>Stem Cell Research</i> , <b>2017</b> , 21, 187-192	1.6	17

69	Germline competency of human embryonic stem cells depends on eomesodermin. <i>Biology of Reproduction</i> , <b>2017</b> , 97, 850-861	3.9	49
68	Mouse MORC3 is a GHKL ATPase that localizes to H3K4me3 marked chromatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E5108-16	11.5	28
67	Stage-Specific Demethylation in Primordial Germ Cells Safeguards against Precocious Differentiation. <i>Developmental Cell</i> , <b>2016</b> , 39, 75-86	10.2	59
66	Naive Human Pluripotent Cells Feature a Methylation Landscape Devoid of Blastocyst or Germline Memory. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 323-329	18	161
65	Multiparameter mechanical and morphometric screening of cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 37863	4.9	31
64	An integration-free, virus-free rhesus macaque induced pluripotent stem cell line (riPSC89) from embryonic fibroblasts. <i>Stem Cell Research</i> , <b>2016</b> , 17, 444-447	1.6	6
63	DNA methylation remodeling in vitro and in vivo. <i>Current Opinion in Genetics and Development</i> , <b>2015</b> , 34, 82-7	4.9	28
62	The Aorta-Gonad-Mesonephros Organ Culture Recapitulates 5hmC Reorganization and Replication-Dependent and Independent Loss of DNA Methylation in the Germline. <i>Stem Cells and Development</i> , <b>2015</b> , 24, 1536-45	4.4	6
61	DNA Demethylation Dynamics in the Human Prenatal Germline. <i>Cell</i> , <b>2015</b> , 161, 1425-36	56.2	231
60	Human germline differentiation charts a new course. <i>EMBO Journal</i> , <b>2015</b> , 34, 975-7	13	5
59	PGC Reversion to Pluripotency Involves Erasure of DNA Methylation from Imprinting Control Centers followed by Locus-Specific Re-methylation. <i>Stem Cell Reports</i> , <b>2015</b> , 5, 337-49	8	13
58	The Sm protein methyltransferase PRMT5 is not required for primordial germ cell specification in mice. <i>EMBO Journal</i> , <b>2015</b> , 34, 748-58	13	26
57	In vivo targeting of de novo DNA methylation by histone modifications in yeast and mouse. <i>ELife</i> , <b>2015</b> , 4, e06205	8.9	107
56	PRMT5 is required for human embryonic stem cell proliferation but not pluripotency. <i>Stem Cell Reviews and Reports</i> , <b>2014</b> , 10, 230-9	6.4	23
55	Germline stem cells: toward the regeneration of spermatogenesis. <i>Fertility and Sterility</i> , <b>2014</b> , 101, 3-13	4.8	71
54	Hatching human blastocyst. <i>Molecular Reproduction and Development</i> , <b>2014</b> , 81, 203-203	2.6	
53	Aneuploidy induces profound changes in gene expression, proliferation and tumorigenicity of human pluripotent stem cells. <i>Nature Communications</i> , <b>2014</b> , 5, 4825	17.4	107
52	A big surprise in the little zygote: the curious business of losing methylated cytosines. <i>Cell Stem Cell</i> , <b>2014</b> , 15, 393-394	18	13

51	Rapid and efficient conversion of integration-free human induced pluripotent stem cells to GMP-grade culture conditions. <i>PLoS ONE</i> , <b>2014</b> , 9, e94231	3.7	36
50	MORC1 represses transposable elements in the mouse male germline. <i>Nature Communications</i> , <b>2014</b> , 5, 5795	17.4	71
49	Stage-specific roles for tet1 and tet2 in DNA demethylation in primordial germ cells. <i>Cell Stem Cell</i> , <b>2013</b> , 12, 470-8	18	137
48	Mammalian protein arginine methyltransferase 7 (PRMT7) specifically targets RXR sites in lysine- and arginine-rich regions. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 37010-25	5.4	112
47	The ontogeny of cKIT+ human primordial germ cells proves to be a resource for human germ line reprogramming, imprint erasure and in vitro differentiation. <i>Nature Cell Biology</i> , <b>2013</b> , 15, 113-22	23.4	154
46	RNA-Seq Library Generation from Rare Human Cells Isolated by FACS. <i>Bio-protocol</i> , <b>2013</b> , 3,	0.9	1
45	Hydrodynamic stretching of single cells for large population mechanical phenotyping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 7630-5	11.5	535
44	Pluripotency takes off without Blimp1. <i>Cell Stem Cell</i> , <b>2012</b> , 11, 1-2	18	5
43	Derivation of new human embryonic stem cell lines reveals rapid epigenetic progression in vitro that can be prevented by chemical modification of chromatin. <i>Human Molecular Genetics</i> , <b>2012</b> , 21, 751-64	5.6	37
42	From skin biopsy to neurons through a pluripotent intermediate under Good Manufacturing Practice protocols. <i>Stem Cells Translational Medicine</i> , <b>2012</b> , 1, 36-43	6.9	41
41	Cdk2ap2 is a novel regulator for self-renewal of murine embryonic stem cells. <i>Stem Cells and Development</i> , <b>2012</b> , 21, 3010-8	4.4	5
40	Single cell analysis facilitates staging of Blimp1-dependent primordial germ cells derived from mouse embryonic stem cells. <i>PLoS ONE</i> , <b>2011</b> , 6, e28960	3.7	26
39	Mitochondrial function controls proliferation and early differentiation potential of embryonic stem cells. <i>Stem Cells</i> , <b>2011</b> , 29, 486-95	5.8	241
38	Fruitful progress to fertility: male fertility in the test tube. <i>Nature Medicine</i> , <b>2011</b> , 17, 1564-5	50.5	25
37	Loss of Pten causes tumor initiation following differentiation of murine pluripotent stem cells due to failed repression of Nanog. <i>PLoS ONE</i> , <b>2011</b> , 6, e16478	3.7	14
36	Epigenetically reprogramming of human embryonic stem cells by 3-deazaneplanocin a and sodium butyrate. <i>International Journal of Preventive Medicine</i> , <b>2011</b> , 2, 73-8	1.6	2
35	Pluripotent Stem Cells in Reproductive Medicine: Formation of the Human Germ Line in Vitro. <i>Pancreatic Islet Biology</i> , <b>2011</b> , 371-386	0.4	
34	Centromere protein A dynamics in human pluripotent stem cell self-renewal, differentiation and DNA damage. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 3970-82	5.6	28

33	Egg-citing advances in generating primordial germ cells in the laboratory. <i>Biology of Reproduction</i> , <b>2010</b> , 82, 233-4	3.9	3
32	Female human iPSCs retain an inactive X chromosome. <i>Cell Stem Cell</i> , <b>2010</b> , 7, 329-42	18	223
31	Identification and classification of chromosomal aberrations in human induced pluripotent stem cells. <i>Cell Stem Cell</i> , <b>2010</b> , 7, 521-31	18	595
30	Relationship between nucleosome positioning and DNA methylation. <i>Nature</i> , <b>2010</b> , 466, 388-92	50.4	555
29	Microfluidic image cytometry for quantitative single-cell profiling of human pluripotent stem cells in chemically defined conditions. <i>Lab on A Chip</i> , <b>2010</b> , 10, 1113-9	7.2	45
28	Human embryonic stem cells as models for aneuploid chromosomal syndromes. <i>Stem Cells</i> , <b>2010</b> , 28, 1530-40	5.8	73
27	Cyclin-dependent kinase 2-associating protein 1 commits murine embryonic stem cell differentiation through retinoblastoma protein regulation. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 23405-14	5.4	18
26	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> , <b>2009</b> , 27, 783-95	5.8	202
25	Directed differentiation of human-induced pluripotent stem cells generates active motor neurons. <i>Stem Cells</i> , <b>2009</b> , 27, 806-11	5.8	288
24	Induced pluripotent stem cells and embryonic stem cells are distinguished by gene expression signatures. <i>Cell Stem Cell</i> , <b>2009</b> , 5, 111-23	18	816
23	Histone h3 lysine 56 acetylation is linked to the core transcriptional network in human embryonic stem cells. <i>Molecular Cell</i> , <b>2009</b> , 33, 417-27	17.6	160
22	A self-renewal program controls the expansion of genetically unstable cancer stem cells in pluripotent stem cell-derived tumors. <i>Stem Cells</i> , <b>2009</b> , 27, 18-28	5.8	29
21	Aneuploidy and early human embryo development. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, R10-5	5.6	65
20	Copy number variant analysis of human embryonic stem cells. <i>Stem Cells</i> , <b>2008</b> , 26, 1484-9	5.8	42
19	UHRF1 plays a role in maintaining DNA methylation in mammalian cells. <i>Science</i> , <b>2007</b> , 317, 1760-4	33.3	976
18	The stem cell identity of testicular cancer. <i>Stem Cell Reviews and Reports</i> , <b>2007</b> , 3, 49-59	6.4	64
17	Intermolecular interactions of homologs of germ plasm components in mammalian germ cells. <i>Developmental Biology</i> , <b>2007</b> , 301, 417-31	3.1	12
16	Establishment and differentiation of human embryonic stem cell derived germ cells. <i>Society of Reproduction and Fertility Supplement</i> , <b>2007</b> , 63, 77-86		3

15	Bone morphogenetic proteins induce germ cell differentiation from human embryonic stem cells. <i>Stem Cells and Development</i> , <b>2006</b> , 15, 831-7	4.4	209
14	Modeling human germ cell development with embryonic stem cells. <i>Regenerative Medicine</i> , <b>2006</b> , 1, 85-93	5	15
13	Human embryonic stem cell genes OCT4, NANOG, STELLAR, and GDF3 are expressed in both seminoma and breast carcinoma. <i>Cancer</i> , <b>2005</b> , 104, 2255-65	6.4	355
12	Spontaneous differentiation of germ cells from human embryonic stem cells in vitro. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 727-39	5.6	382
11	Mutations in a novel locus on mouse chromosome 11 resulting in male infertility associated with defects in microtubule assembly and sperm tail function. <i>Biology of Reproduction</i> , <b>2004</b> , 70, 1317-24	3.9	19
10	Human STELLAR, NANOG, and GDF3 genes are expressed in pluripotent cells and map to chromosome 12p13, a hotspot for teratocarcinoma. <i>Stem Cells</i> , <b>2004</b> , 22, 169-79	5.8	218
9	Unique gene expression signatures of independently-derived human embryonic stem cell lines. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 601-8	5.6	249
8	Functional genetic analysis of mouse chromosome 11. <i>Nature</i> , <b>2003</b> , 425, 81-6	50.4	175
7	In vitro studies on the roles of transforming growth factor-beta 1 in rat metanephric development. <i>Kidney International</i> , <b>2001</b> , 59, 1641-53	9.9	38
6	Expression of bone morphogenetic protein receptors in the developing mouse metanephros. <i>Nephron Experimental Nephrology</i> , <b>2001</b> , 9, 372-9		27
5	Advances in renal development. <i>Current Opinion in Nephrology and Hypertension</i> , <b>2000</b> , 9, 247-51	3.5	14
4	Comparison of recombinant growth differentiation factor-9 and oocyte regulation of KIT ligand messenger ribonucleic acid expression in mouse ovarian follicles. <i>Biology of Reproduction</i> , <b>2000</b> , 63, 1669-75	3.9	105
3	Paracrine actions of growth differentiation factor-9 in the mammalian ovary. <i>Molecular Endocrinology</i> , <b>1999</b> , 13, 1035-48		492
2	The DAZ gene family and human germ cell development from embryonic stem cells		323-350
1	TGFβ superfamily signaling regulates the state of human stem cell pluripotency and competency to create telencephalic organoids		3