

James C. Cross

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7639386/james-c-cross-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107
papers

12,552
citations

58
h-index

112
g-index

113
ext. papers

13,655
ext. citations

9.3
avg, IF

6.33
L-index

#	Paper	IF	Citations
107	Implantation and the placenta: key pieces of the development puzzle. <i>Science</i> , 1994 , 266, 1508-18	33.3	1153
106	Placental development: lessons from mouse mutants. <i>Nature Reviews Genetics</i> , 2001 , 2, 538-48	30.1	981
105	Pregnancy-stimulated neurogenesis in the adult female forebrain mediated by prolactin. <i>Science</i> , 2003 , 299, 117-20	33.3	557
104	Interactions between Trophoblast Cells and the Maternal and Fetal Circulation in the Mouse Placenta. <i>Developmental Biology</i> , 2002 , 250, 358-373	3.1	454
103	The Hand1 bHLH transcription factor is essential for placentation and cardiac morphogenesis. <i>Nature Genetics</i> , 1998 , 18, 271-5	36.3	427
102	Development of structures and transport functions in the mouse placenta. <i>Physiology</i> , 2005 , 20, 180-93	9.8	375
101	The glial cells missing-1 protein is essential for branching morphogenesis in the chorioallantoic placenta. <i>Nature Genetics</i> , 2000 , 25, 311-4	36.3	342
100	Extra-embryonic function of Rb is essential for embryonic development and viability. <i>Nature</i> , 2003 , 421, 942-7	50.4	337
99	Mammalian Grb2 regulates multiple steps in embryonic development and malignant transformation. <i>Cell</i> , 1998 , 95, 793-803	56.2	313
98	Diverse subtypes and developmental origins of trophoblast giant cells in the mouse placenta. <i>Developmental Biology</i> , 2007 , 304, 567-78	3.1	278
97	Imprinted X inactivation maintained by a mouse Polycomb group gene. <i>Nature Genetics</i> , 2001 , 28, 371-5	36.3	276
96	Genes, development and evolution of the placenta. <i>Placenta</i> , 2003 , 24, 123-30	3.4	275
95	Determinants of trophoblast lineage and cell subtype specification in the mouse placenta. <i>Developmental Biology</i> , 2005 , 284, 12-24	3.1	256
94	Inactivation of Fac in mice produces inducible chromosomal instability and reduced fertility reminiscent of Fanconi anaemia. <i>Nature Genetics</i> , 1996 , 12, 448-51	36.3	221
93	Genetic insights into trophoblast differentiation and placental morphogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2000 , 11, 105-13	7.5	213
92	Trophoblast functions, angiogenesis and remodeling of the maternal vasculature in the placenta. <i>Molecular and Cellular Endocrinology</i> , 2002 , 187, 207-12	4.4	204
91	Prolactin receptor is required for normal glucose homeostasis and modulation of beta-cell mass during pregnancy. <i>Endocrinology</i> , 2009 , 150, 1618-26	4.8	203

90	Development and function of trophoblast giant cells in the rodent placenta. <i>International Journal of Developmental Biology</i> , 2010 , 54, 341-54	1.9	195
89	Mutation in folate metabolism causes epigenetic instability and transgenerational effects on development. <i>Cell</i> , 2013 , 155, 81-93	56.2	190
88	The evolution, regulation, and function of placenta-specific genes. <i>Annual Review of Cell and Developmental Biology</i> , 2008 , 24, 159-81	12.6	177
87	The HAND1 basic helix-loop-helix transcription factor regulates trophoblast differentiation via multiple mechanisms. <i>Molecular and Cellular Biology</i> , 2000 , 20, 530-41	4.8	175
86	How to make a placenta: mechanisms of trophoblast cell differentiation in mice--a review. <i>Placenta</i> , 2005 , 26 Suppl A, S3-9	3.4	171
85	Early patterning of the chorion leads to the trilaminar trophoblast cell structure in the placental labyrinth. <i>Development (Cambridge)</i> , 2008 , 135, 2083-91	6.6	160
84	Lack of human leukocyte antigen-G expression in extravillous trophoblasts is associated with pre-eclampsia. <i>Molecular Human Reproduction</i> , 2000 , 6, 88-95	4.4	160
83	Spatial and temporal expression of the 23 murine Prolactin/Placental Lactogen-related genes is not associated with their position in the locus. <i>BMC Genomics</i> , 2008 , 9, 352	4.5	157
82	SOCS3: an essential regulator of LIF receptor signaling in trophoblast giant cell differentiation. <i>EMBO Journal</i> , 2003 , 22, 372-84	13	155
81	Genes governing placental development. <i>Trends in Endocrinology and Metabolism</i> , 2001 , 12, 162-8	8.8	152
80	Transactivation by hepatitis B virus X protein is promiscuous and dependent on mitogen-activated cellular serine/threonine kinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 8078-82	11.5	152
79	Late mitotic failure in mice lacking Sak, a polo-like kinase. <i>Current Biology</i> , 2001 , 11, 441-6	6.3	136
78	The Hand1, Stra13 and Gcm1 transcription factors override FGF signaling to promote terminal differentiation of trophoblast stem cells. <i>Developmental Biology</i> , 2004 , 271, 26-37	3.1	126
77	Single-cell RNA-seq reveals the diversity of trophoblast subtypes and patterns of differentiation in the human placenta. <i>Cell Research</i> , 2018 , 28, 819-832	24.7	123
76	Deletion of the Cul1 gene in mice causes arrest in early embryogenesis and accumulation of cyclin E. <i>Current Biology</i> , 1999 , 9, 1191-4	6.3	120
75	A role for Notch signaling in trophoblast endovascular invasion and in the pathogenesis of pre-eclampsia. <i>Development (Cambridge)</i> , 2011 , 138, 2987-98	6.6	118
74	Endometrial VEGF induces placental sFLT1 and leads to pregnancy complications. <i>Journal of Clinical Investigation</i> , 2014 , 124, 4941-52	15.9	116
73	Molecular genetics of implantation in the mouse. <i>Genesis</i> , 1997 , 21, 6-20		102

72	The genetics of pre-eclampsia: a feto-placental or maternal problem?. <i>Clinical Genetics</i> , 2003 , 64, 96-103	4	98
71	The transition to endoreduplication in trophoblast giant cells is regulated by the mSNA zinc finger transcription factor. <i>Developmental Biology</i> , 1998 , 199, 150-63	3.1	98
70	Branching morphogenesis during development of placental villi. <i>Differentiation</i> , 2006 , 74, 393-401	3.5	96
69	Placental function in development and disease. <i>Reproduction, Fertility and Development</i> , 2006 , 18, 71-6	1.8	92
68	A repertoire of differentially expressed transcription factors that offers insight into mechanisms of human cytotrophoblast differentiation. <i>Genesis</i> , 1999 , 25, 146-57		92
67	Chorioallantoic morphogenesis and formation of the placental villous tree. <i>Annals of the New York Academy of Sciences</i> , 2003 , 995, 84-93	6.5	88
66	Metabolic derangement of methionine and folate metabolism in mice deficient in methionine synthase reductase. <i>Molecular Genetics and Metabolism</i> , 2007 , 91, 85-97	3.7	86
65	Post-implantation mouse conceptuses produce paracrine signals that regulate the uterine endometrium undergoing decidualization. <i>Developmental Biology</i> , 2006 , 294, 445-56	3.1	82
64	Differential expression of angiogenic and vasodilatory factors by invasive trophoblast giant cells depending on depth of invasion. <i>Developmental Dynamics</i> , 2003 , 227, 185-91	2.9	82
63	Complex patterns of GCM1 mRNA and protein in villous and extravillous trophoblast cells of the human placenta. <i>Placenta</i> , 2004 , 25, 553-9	3.4	77
62	Porcine conceptuses secrete an interferon during the preattachment period of early pregnancy. <i>Biology of Reproduction</i> , 1989 , 40, 1109-18	3.9	75
61	Trophoblast stem cells differentiate in vitro into invasive trophoblast giant cells. <i>Developmental Biology</i> , 2004 , 271, 362-71	3.1	74
60	Development of the hemochorial maternal vascular spaces in the placenta through endothelial and vasculogenic mimicry. <i>Developmental Biology</i> , 2014 , 387, 131-41	3.1	73
59	Rb is critical in a mammalian tissue stem cell population. <i>Genes and Development</i> , 2007 , 21, 85-97	12.6	73
58	Constitutive and trophoblast-specific expression of a class of bovine interferon genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 3817-21	11.5	73
57	Interferon-stimulated gene-15 (Isg15) expression is up-regulated in the mouse uterus in response to the implanting conceptus. <i>Endocrinology</i> , 2003 , 144, 3107-13	4.8	69
56	Activin Is a Local Regulator of Human Cytotrophoblast Cell Differentiation		66
55	Transcription factors underlying the development and endocrine functions of the placenta. <i>Endocrine Reviews</i> , 2002 , 57, 221-34		66

54	Parp1-deficiency induces differentiation of ES cells into trophoblast derivatives. <i>Developmental Biology</i> , 2003 , 257, 371-81	3.1	64
53	Developmental restriction of Mash-2 expression in trophoblast correlates with potential activation of the notch-2 pathway. <i>Genesis</i> , 1997 , 21, 21-30		63
52	A positive feedback loop involving Gcm1 and Fzd5 directs chorionic branching morphogenesis in the placenta. <i>PLoS Biology</i> , 2013 , 11, e1001536	9.7	62
51	The production, purification, and bioactivity of recombinant bovine trophoblast protein-1 (bovine trophoblast interferon). <i>Molecular Endocrinology</i> , 1990 , 4, 1506-14		58
50	Activin promotes differentiation of cultured mouse trophoblast stem cells towards a labyrinth cell fate. <i>Developmental Biology</i> , 2009 , 335, 120-31	3.1	57
49	Formation of the placenta and extraembryonic membranes. <i>Annals of the New York Academy of Sciences</i> , 1998 , 857, 23-32	6.5	55
48	Ablation of Tpbpa-positive trophoblast precursors leads to defects in maternal spiral artery remodeling in the mouse placenta. <i>Developmental Biology</i> , 2011 , 358, 231-9	3.1	54
47	Early exclusion of hand1-deficient cells from distinct regions of the left ventricular myocardium in chimeric mouse embryos. <i>Developmental Biology</i> , 2000 , 227, 156-68	3.1	53
46	Dilated cardiomyopathy is associated with reduced expression of the cardiac sodium channel Scn5a. <i>Cardiovascular Research</i> , 2007 , 75, 498-509	9.9	51
45	Gene dosage-dependent functions for phosphotyrosine-Grb2 signaling during mammalian tissue morphogenesis. <i>Current Biology</i> , 2001 , 11, 662-70	6.3	47
44	Elucidation of the genetic basis of the antigen presentation defects in the mutant cell line .220 reveals polymorphism and alternative splicing of the tapasin gene. <i>European Journal of Immunology</i> , 1998 , 28, 3783-91	6.1	43
43	UniGene cDNA array-based monitoring of transcriptome changes during mouse placental development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 13126-31	11.5	43
42	Homozygous missense N629D hERG (KCNH2) potassium channel mutation causes developmental defects in the right ventricle and its outflow tract and embryonic lethality. <i>Circulation Research</i> , 2008 , 103, 1483-91	15.7	42
41	The Mrj co-chaperone mediates keratin turnover and prevents the formation of toxic inclusion bodies in trophoblast cells of the placenta. <i>Development (Cambridge)</i> , 2007 , 134, 1809-17	6.6	42
40	MEF2-dependent recruitment of the HAND1 transcription factor results in synergistic activation of target promoters. <i>Journal of Biological Chemistry</i> , 2005 , 280, 32272-8	5.4	38
39	Interferons as hormones of pregnancy 1992 , 13, 432-452		37
38	Nutritional influences on implantation and placental development. <i>Nutrition Reviews</i> , 2006 , 64, S12-8; discussion S72-91	6.4	35
37	Chronic Protein Restriction in Mice Impacts Placental Function and Maternal Body Weight before Fetal Growth. <i>PLoS ONE</i> , 2016 , 11, e0152227	3.7	35

36	The transcriptional co-repressor TLE3 regulates development of trophoblast giant cells lining maternal blood spaces in the mouse placenta. <i>Developmental Biology</i> , 2013 , 382, 1-14	3.1	32
35	Multiple regulatory elements are required to direct trophoblast interferon gene expression in choriocarcinoma cells and trophectoderm. <i>Molecular Endocrinology</i> , 1994 , 8, 456-468		31
34	Cathepsin proteases have distinct roles in trophoblast function and vascular remodelling. <i>Development (Cambridge)</i> , 2008 , 135, 3311-20	6.6	30
33	Transcriptional repressor erf determines extraembryonic ectoderm differentiation. <i>Molecular and Cellular Biology</i> , 2007 , 27, 5201-13	4.8	29
32	Genes regulating embryonic and fetal survival. <i>Theriogenology</i> , 2001 , 55, 193-207	2.8	28
31	Unique features of the trophoblast interferons 1991 , 51, 329-45		28
30	Placental morphology: from molecule to mother -- a dedication to Peter Kaufmann -- a review. <i>Placenta</i> , 2006 , 27 Suppl A, S3-8	3.4	26
29	Posttranscriptional regulation of human leukocyte antigen G during human extravillous cytotrophoblast differentiation. <i>Biology of Reproduction</i> , 2000 , 62, 1543-50	3.9	26
28	Induction of trophoblastic interferon expression in ovine blastocysts after treatment with double-stranded RNA. <i>Journal of Interferon Research</i> , 1991 , 11, 151-7		24
27	Characterization of the antiviral activity constitutively produced by murine conceptuses: absence of placental mRNAs for interferon alpha and beta. <i>Molecular Reproduction and Development</i> , 1990 , 26, 122-8	2.6	23
26	The transcriptional co-repressor Grg3/Tle3 promotes pancreatic endocrine progenitor delamination and Ecell differentiation. <i>Development (Cambridge)</i> , 2012 , 139, 1447-56	6.6	22
25	Spatiotemporal expression of Notch receptors and ligands in developing mouse placenta. <i>Gene Expression Patterns</i> , 2013 , 13, 249-54	1.5	21
24	Neural stem cell self-renewal requires the Mrj co-chaperone. <i>Developmental Dynamics</i> , 2009 , 238, 2564-74	2.9	21
23	Cell-cell adhesion defects in Mrj mutant trophoblast cells are associated with failure to pattern the chorion during early placental development. <i>Developmental Dynamics</i> , 2011 , 240, 2505-19	2.9	19
22	PLET1 (C11orf34), a highly expressed and processed novel gene in pig and mouse placenta, is transcribed but poorly spliced in human. <i>Genomics</i> , 2004 , 84, 114-25	4.3	19
21	Pregnancy Hyperglycemia in Prolactin Receptor Mutant, but Not Prolactin Mutant, Mice and Feeding-Responsive Regulation of Placental Lactogen Genes Implies Placental Control of Maternal Glucose Homeostasis. <i>Biology of Reproduction</i> , 2015 , 93, 75	3.9	17
20	Factors affecting the developmental potential of cloned mammalian embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 5949-51	11.5	16
19	Effects of progesterone and weaning on LH and FSH responses to naloxone in postpartum beef cows. <i>Domestic Animal Endocrinology</i> , 1987 , 4, 111-22	2.3	16

18	Defective induction of the transcription factor interferon-stimulated gene factor-3 and interferon alpha insensitivity in human trophoblast cells. <i>Biology of Reproduction</i> , 1999 , 60, 312-21	3.9	15
17	A differential screen for putative targets of the bHLH transcription factor Hand1 in cardiac morphogenesis. <i>Mechanisms of Development</i> , 2002 , 119 Suppl 1, S65-71	1.7	14
16	Three-dimensional cultures of trophoblast stem cells autonomously develop vascular-like spaces lined by trophoblast giant cells. <i>Developmental Biology</i> , 2015 , 398, 110-9	3.1	13
15	Genes for the trophoblast interferons and their distribution among mammals. <i>Reproduction, Fertility and Development</i> , 1992 , 4, 349-53	1.8	13
14	Complex patterns of cell growth in the placenta in normal pregnancy and as adaptations to maternal diet restriction. <i>PLoS ONE</i> , 2020 , 15, e0226735	3.7	12
13	Sca-1 identifies a trophoblast population with multipotent potential in the mid-gestation mouse placenta. <i>Scientific Reports</i> , 2017 , 7, 5575	4.9	12
12	National Institute on Drug Abuse Conference report on placental proteins, drug transport, and fetal development. <i>American Journal of Obstetrics and Gynecology</i> , 2004 , 191, 1858-62	6.4	11
11	Adaptability and potential for treatment of placental functions to improve embryonic development and postnatal health. <i>Reproduction, Fertility and Development</i> , 2016 , 28, 75-82	1.8	9
10	Role of mutation and pharmacologic block of human KCNH2 in vasculogenesis and fetal mortality: partial rescue by transforming growth factor- β . <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015 , 8, 420-8	6.4	7
9	Prolonged repolarization and triggered activity induced by adenoviral expression of HERG N629D in cardiomyocytes derived from stem cells. <i>Cardiovascular Research</i> , 2004 , 61, 268-77	9.9	7
8	Slowed transcription and rapid messenger RNA turnover contribute to a decline in synthesis of ovine trophoblast protein-1 during in vitro culture. <i>Biology of Reproduction</i> , 1991 , 45, 94-100	3.9	7
7	The basic helix-loop-helix transcription factor Hand1 regulates mouse development as a homodimer. <i>Developmental Biology</i> , 2013 , 382, 470-81	3.1	6
6	Problems with co-funding in Canada. <i>Science</i> , 2005 , 308, 1867	33.3	5
5	A differential screen for putative targets of the bHLH transcription factor Hand1 in cardiac morphogenesis. <i>Gene Expression Patterns</i> , 2002 , 2, 61-7	1.5	5
4	More of a good thing or less of a bad thing: gene copy number variation in polyploid cells of the placenta. <i>PLoS Genetics</i> , 2014 , 10, e1004330	6	3
3	Lack of head sparing following third-trimester caloric restriction among Tanzanian Maasai. <i>PLoS ONE</i> , 2020 , 15, e0237700	3.7	3
2	Gene Amplification: Trophoblast Giant Cells Use All the Tricks. <i>Current Biology</i> , 2016 , 26, R177-9	6.3	2
1	Trophoblast cell fate specification		2

