Thomas J Cunningham

List of Publications by Year
in descending order

31 papers	1,865 citations	394421 19 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	3470 citing authors

#	Article	IF	Citations
1	Mechanisms of retinoic acid signalling and its roles in organ and limb development. Nature Reviews Molecular Cell Biology, 2015, 16, 110-123.	37.0	459
2	An Evolutionarily Conserved Long Noncoding RNA TUNA Controls Pluripotency and Neural Lineage Commitment. Molecular Cell, 2014, 53, 1005-1019.	9.7	364
3	Sex-specific timing of meiotic initiation is regulated by Cyp26b1 independent of retinoic acid signalling. Nature Communications, 2011, 2, 151.	12.8	124
4	Antagonism between Retinoic Acid and Fibroblast Growth Factor Signaling during Limb Development. Cell Reports, 2013, 3, 1503-1511.	6.4	98
5	Retinoic acid stimulates myocardial expansion by induction of hepatic erythropoietin which activates epicardial<i>Igf2</i>. Development (Cambridge), 2011, 138, 139-148.	2.5	87
6	Humanising the mouse genome piece by piece. Nature Communications, 2019, 10, 1845.	12.8	78
7	Id genes are essential for early heart formation. Genes and Development, 2017, 31, 1325-1338.	5.9	64
8	Whole-genome microRNA screening identifies <i>let-7</i> and <i>mir-18</i> as regulators of germ layer formation during early embryogenesis. Genes and Development, 2012, 26, 2567-2579.	5.9	59
9	<i>Rdh10</i> mutants deficient in limb field retinoic acid signaling exhibit normal limb patterning but display interdigital webbing. Developmental Dynamics, 2011, 240, 1142-1150.	1.8	56
10	Retinoic Acid Activity in Undifferentiated Neural Progenitors Is Sufficient to Fulfill Its Role in Restricting Fgf8 Expression for Somitogenesis. PLoS ONE, 2015, 10, e0137894.	2.5	44
11	Nuclear receptor corepressors Ncor1 and Ncor2 (Smrt) are required for retinoic acid-dependent repression of Fgf8 during somitogenesis. Developmental Biology, 2016, 418, 204-215.	2.0	42
12	The Stat3-Fam3a axis promotes muscle stem cell myogenic lineage progression by inducing mitochondrial respiration. Nature Communications, 2019, 10, 1796.	12.8	38
13	Early molecular events during retinoic acid induced differentiation of neuromesodermal progenitors. Biology Open, 2016, 5, 1821-1833.	1.2	37
14	Genomic Knockout of Two Presumed Forelimb Tbx5 Enhancers Reveals They Are Nonessential for Limb Development. Cell Reports, 2018, 23, 3146-3151.	6.4	37
15	<i>Wnt8a</i> and <i>Wnt3a</i> cooperate in the axial stem cell niche to promote mammalian body axis extension. Developmental Dynamics, 2015, 244, 797-807.	1.8	36
16	Retinoic acid controls expression of tissue remodeling genes <i>Hmgn1</i> and <i>Fgf18</i> at the digitâ€“interdigit junction. Developmental Dynamics, 2010, 239, 665-671.	1.8	33
17	Uncoupling of retinoic acid signaling from tailbud development before termination of body axis extension. Genesis, 2011, 49, 776-783.	1.6	32
18	Investigation of retinoic acid function during embryonic brain development using retinaldehydeâ€rescued Rdh10 knockout mice. Developmental Dynamics, 2013, 242, 1056-1065.	1.8	30

#	Article	IF	Citations
19	Resolving Molecular Events in the Regulation of Meiosis in Male and Female Germ Cells. Science Signaling, 2013, 6, pe25.	3.6	24
20	Mouse but not zebrafish requires retinoic acid for control of neuromesodermal progenitors and body axis extension. Developmental Biology, 2018, 441, 127-131.	2.0	23
21	Uses for humanised mouse models in precision medicine for neurodegenerative disease. Mammalian Genome, 2019, 30, 173-191.	2.2	22
22	WT1 regulates murine hematopoiesis via maintenance of VEGF isoform ratio. Blood, 2013, 122, 188-192.	1.4	15
23	Lipid Metabolic Alterations in the ALSâ€“FTD Spectrum of Disorders. Biomedicines, 2022, 10, 1105.	3.2	13
24	NMJ-Analyser identifies subtle early changes in mouse models of neuromuscular disease. Scientific Reports, 2021, 11, 12251.	3.3	12
25	A novel knockout mouse for the small EDRK-rich factor 2 (Serf2) showing developmental and other deficits. Mammalian Genome, 2021, 32, 94-103.	2.2	10
26	Retinoic acid-independent expression of Meis2 during autopod patterning in the developing bat and mouse limb. EvoDevo, 2015, 6, 6.	3.2	8
27	TDP-43 mutations increase HNRNP A1-7B through gain of splicing function. Brain, 2018, 141, e83-e83.	7.6	7
28	A regulatory network controls nephrocan expression and midgut patterning. Development (Cambridge), 2014, 141, 3772-3781.	2.5	6
29	Generation and analysis of innovative genomically humanized knockin SOD1, TARDBP (TDP-43), and FUS mouse models. IScience, 2021, 24, 103463.	4.1	4
30	Sizing, stabilising, and cloning repeat-expansions for gene targeting constructs. Methods, 2021, 191, 15-22.	3.8	2
31	DNA Editing for Amyotrophic Lateral Sclerosis: Leading Off First Base. CRISPR Journal, 2020, 3, 75-77.	2.9	1