Thomas J Carroll

List of Publications by Year
in descending order

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56 papers	6,352 citations	126907 33 h-index	161849 54 g-index
58 all docs	58 docs citations	58 times ranked	6749 citing authors

#	Article	IF	Citations
1	Deletion of Lats1/2 in adult kidney epithelia leads to renal cell carcinoma. Journal of Clinical Investigation, 2021, 131, .	8.2	12
2	Vascular deficiencies in renal organoids and ex vivo kidney organogenesis. Developmental Biology, 2021, 477, 98-116.	2.0	23
3	Asynchronous mixing of kidney progenitor cells potentiates nephrogenesis in organoids. Communications Biology, 2020, 3, 231.	4.4	24
4	Stromal beta-catenin activation impacts nephron progenitor differentiation in the developing kidney and may contribute to Wilms tumor. Development (Cambridge), 2020, 147, .	2.5	16
5	Identification and characterization of cellular heterogeneity within the developing renal interstitium. Development (Cambridge), 2020, 147, .	2.5	59
6	Schwannoma development is mediated by Hippo pathway dysregulation and modified by RAS/MAPK signaling. JCI Insight, 2020, 5, .	5.0	14
7	Methods for renal lineage tracing: In vivo and beyond. Methods in Cell Biology, 2019, 154, 121-143.	1.1	1
8	LATS1/2 suppress NFÎºB and aberrant EMT initiation to permit pancreatic progenitor differentiation. PLoS Biology, 2019, 17, e3000382.	5.6	21
9	Molecular determinants of WNT9b responsiveness in nephron progenitor cells. PLoS ONE, 2019, 14, e0215139.	2.5	15
10	Spatiotemporal Loss of NF1 in Schwann Cell Lineage Leads to Different Types of Cutaneous Neurofibroma Susceptible to Modification by the Hippo Pathway. Cancer Discovery, 2019, 9, 114-129.	9.4	65
11	Lkb1 deficiency confers glutamine dependency in polycystic kidney disease. Nature Communications, 2018, 9, 814.	12.8	55
12	Spatiotemporal heterogeneity and patterning of developing renal blood vessels. Angiogenesis, 2018, 21, 617-634.	7.2	55
13	Programming of Schwann Cells by Lats1/2-TAZ/YAP Signaling Drives Malignant Peripheral Nerve Sheath Tumorigenesis. Cancer Cell, 2018, 33, 292-308.e7.	16.8	83
14	Disparate levels of beta-catenin activity determine nephron progenitor cell fate. Developmental Biology, 2018, 440, 13-21.	2.0	33
15	Loss of Dis3l2 partially phenocopies Perlman syndrome in mice and results in up-regulation of Igf2 in nephron progenitor cells. Genes and Development, 2018, 32, 903-908.	5.9	34
16	MYC activation cooperates with Vhl and Ink4a/Arf loss to induce clear cell renal cell carcinoma. Nature Communications, 2017, 8, 15770.	12.8	64
17	Myc cooperates with beta-catenin to drive gene expression in the nephron progenitor cells. Development (Cambridge), 2017, 144, 4173-4182.	2.5	24
18	Talin regulates integrin Î²1 dependent and independent cell functions in ureteric bud development. Development (Cambridge), 2017, 144, 4148-4158.	2.5	8

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19	Hemodynamic Forces Sculpt Developing Heart Valves through a KLF2-WNT9B Paracrine Signaling Axis. Developmental Cell, 2017, 43, 274-289.e5.	7.0	114
20	Planar cell polarity of the kidney. Experimental Cell Research, 2016, 343, 258-266.	2.6	20
21	A Creâ€inducible fluorescent reporter for observing apical membrane dynamics. Genesis, 2015, 53, 285-293.	1.6	7
22	p53 enables metabolic fitness and self-renewal of nephron progenitor cells. Development (Cambridge), 2015, 142, 1228-1241.	2.5	30
23	Wnt4 is essential to normal mammalian lung development. Developmental Biology, 2015, 406, 222-234.	2.0	58
24	Cdc42 regulates epithelial cell polarity and cytoskeletal function in kidney tubule development. Journal of Cell Science, 2015, 128, 4293-305.	2.0	39
25	Bap1 is essential for kidney function and cooperates with Vhl in renal tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16538-16543.	7.1	123
26	Generation and characterization of KsprtTA and KsptTA transgenic mice. Genesis, 2013, 51, 430-435.	1.6	9
27	The Development of Highly Potent Inhibitors for Porcupine. Journal of Medicinal Chemistry, 2013, 56, 2700-2704.	6.4	94
28	Defining the Signals that Constitute the Nephron Progenitor Niche. Journal of the American Society of Nephrology: JASN, 2013, 24, 873-876.	6.1	32
29	Polycystin-1 binds Par3/aPKC and controls convergent extension during renal tubular morphogenesis. Nature Communications, 2013, 4, 2658.	12.8	48
30	Stromalâ€“epithelial crosstalk regulates kidney progenitor cell differentiation. Nature Cell Biology, 2013, 15, 1035-1044.	10.3	209
31	Vertebrate kidney tubules elongate using a planar cell polarityâ€“dependent, rosette-based mechanism of convergent extension. Nature Genetics, 2012, 44, 1382-1387.	21.4	197
32	Diverse Chemical Scaffolds Support Direct Inhibition of the Membrane-bound O-Acyltransferase Porcupine. Journal of Biological Chemistry, 2012, 287, 23246-23254.	3.4	72
33	The Kidney and Planar Cell Polarity. Current Topics in Developmental Biology, 2012, 101, 185-212.	2.2	34
34	PCP goes organic. Organogenesis, 2011, 7, 163-164.	1.2	0
35	Canonical Wnt9b signaling balances progenitor cell expansion and differentiation during kidney development. Development (Cambridge), 2011, 138, 1247-1257.	2.5	254
36	The Leucine Zipper Putative Tumor Suppressor 2 Protein LZTS2 Regulates Kidney Development. Journal of Biological Chemistry, 2011, 286, 40331-40342.	3.4	15

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37	Planar cell polarity in kidney development and disease. Organogenesis, 2011, 7, 180-190.	1.2	26
38	Tankyrase is necessary for canonical Wnt signaling during kidney development. Developmental Dynamics, 2010, 239, 2014-2023.	1.8	38
39	Lrp4 Regulates Initiation of Ureteric Budding and Is Crucial for Kidney Formation â€“ A Mouse Model for Cenani-Lenz Syndrome. PLoS ONE, 2010, 5, e10418.	2.5	54
40	Aberrant planar cell polarity induced by urinary tract obstruction. American Journal of Physiology - Renal Physiology, 2009, 297, F1526-F1533.	2.7	18
41	Wnt9b signaling regulates planar cell polarity and kidney tubule morphogenesis. Nature Genetics, 2009, 41, 793-799.	21.4	313
42	AWnt7b-dependent pathway regulates the orientation of epithelial cell division and establishes the cortico-medullary axis of the mammalian kidney. Development (Cambridge), 2009, 136, 161-171.	2.5	205
43	Î²-Catenin is necessary to keep cells of ureteric bud/Wolffian duct epithelium in a precursor state. Developmental Biology, 2008, 314, 112-126.	2.0	138
44	Six2 Defines and Regulates a Multipotent Self-Renewing Nephron Progenitor Population throughout Mammalian Kidney Development. Cell Stem Cell, 2008, 3, 169-181.	11.1	815
45	Wnt7b stimulates embryonic lung growth by coordinately increasing the replication of epithelium and mesenchyme. Development (Cambridge), 2008, 135, 1625-1634.	2.5	147
46	Gata3 Acts Downstream of Î²-Catenin Signaling to Prevent Ectopic Metanephric Kidney Induction. PLoS Genetics, 2008, 4, e1000316.	3.5	126
47	Noncanonical Wnt Signaling through G Protein-Linked PKCÎ´ Activation Promotes Bone Formation. Developmental Cell, 2007, 12, 113-127.	7.0	286
48	Molecular regulation of kidney development: is the answer blowing in the Wnt?. Pediatric Nephrology, 2007, 22, 1825-1838.	1.7	75
49	The Role of Wnt9b in Epithelial Tubule Induction and Differentiation. FASEB Journal, 2007, 21, A136.	0.5	0
50	Planar cell polarity and vertebrate organogenesis. Seminars in Cell and Developmental Biology, 2006, 17, 194-203.	5.0	81
51	Apicalâ€“basal polarity, Wnt signaling and vertebrate organogenesis. Seminars in Cell and Developmental Biology, 2006, 17, 214-222.	5.0	51
52	Distinct and sequential tissue-specific activities of the LIM-class homeobox geneLim1for tubular morphogenesis during kidney development. Development (Cambridge), 2005, 132, 2809-2823.	2.5	307
53	Sprouty1 Is a Critical Regulator of GDNF/RET-Mediated Kidney Induction. Developmental Cell, 2005, 8, 229-239.	7.0	327
54	Wnt9b Plays a Central Role in the Regulation of Mesenchymal to Epithelial Transitions Underlying Organogenesis of the Mammalian Urogenital System. Developmental Cell, 2005, 9, 283-292.	7.0	788

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55	Sonic hedgehog regulates proliferation and differentiation of mesenchymal cells in the mouse metanephric kidney. Development (Cambridge), 2002, 129, 5301-5312.	2.5	377
56	Sonic hedgehog regulates proliferation and differentiation of mesenchymal cells in the mouse metanephric kidney. Development (Cambridge), 2002, 129, 5301-12.	2.5	216