Carl S Thummel

List of Publications by Year in Descending Order

101 papers	16,406 citations	55 h-index	128 g-index
184 ext. papers	17,803 ext. citations	15.6 avg, IF	6.5 L-index

#	Paper	IF	Citations
101	A direct-drive GFP reporter for studies of tracheal development in .. *Fly*, **2022**, 16, 105-110	1.3	
100	Drosophila E93 promotes adult development and suppresses larval responses to ecdysone during metamorphosis. *Developmental Biology*, **2022**, 481, 104-115	3.1	0
99	The Drosophila E78 nuclear receptor regulates dietary triglyceride uptake and systemic lipid levels. *Developmental Dynamics*, **2021**, 250, 640-651	2.9	1
98	Regulation of male fertility and accessory gland gene expression by the Drosophila HR39 nuclear receptor. *Developmental Biology*, **2021**, 479, 51-60	3.1	1
97	estrogen-related receptor directs a transcriptional switch that supports adult glycolysis and lipogenesis. *Genes and Development*, **2020**, 34, 701-714	12.6	12
96	Regulation of Tumor Initiation by the Mitochondrial Pyruvate Carrier. *Cell Metabolism*, **2020**, 31, 284-300.e7	27.6	49
95	Functional analysis of Aarf domain-containing kinase 1 in Drosophila melanogaster. *Developmental Dynamics*, **2019**, 248, 762-770	2.9	4
94	Regulation of Intestinal Stem Cell Proliferation by Enterocyte Mitochondrial Pyruvate Metabolism. *G3: Genes, Genomes, Genetics*, **2019**, 9, 3623-3630	3.2	11
93	Drosophila HNF4 Directs a Switch in Lipid Metabolism that Supports the Transition to Adulthood. *Developmental Cell*, **2019**, 48, 200-214.e6	10.2	30
92	Adult functions for the Drosophila DHR78 nuclear receptor. *Developmental Dynamics*, **2018**, 247, 315-322	2.9	1
91	For Intestinal Homeostasis, You Are What You Eat. *Developmental Cell*, **2018**, 47, 1-2	10.2	12
90	Parental obesity leads to metabolic changes in the F2 generation in. *Molecular Metabolism*, **2017**, 6, 631-639	6.8	11
89	Right time, right place: the temporal regulation of developmental gene expression. *Genes and Development*, **2017**, 31, 847-848	12.6	4
88	Control of intestinal stem cell function and proliferation by mitochondrial pyruvate metabolism. *Nature Cell Biology*, **2017**, 19, 1027-1036	23.4	152
87	Metabolomic Studies in. *Genetics*, **2017**, 206, 1169-1185	4	23
86	Sir2 Acts through Hepatocyte Nuclear Factor 4 to maintain insulin Signaling and Metabolic Homeostasis in Drosophila. *PLoS Genetics*, **2016**, 12, e1005978	6	27
85	The Drosophila HNF4 nuclear receptor promotes glucose-stimulated insulin secretion and mitochondrial function in adults. *ELife*, **2016**, 5,	8.9	53

84	An ancestral role for the mitochondrial pyruvate carrier in glucose-stimulated insulin secretion. *Molecular Metabolism*, **2016**, 5, 602-614	8.8	30
83	Linking Nutrients to Growth through a Positive Feedback Loop. *Developmental Cell*, **2015**, 35, 265-6	10.2	2
82	SDHAF4 promotes mitochondrial succinate dehydrogenase activity and prevents neurodegeneration. *Cell Metabolism*, **2014**, 20, 241-52	24.6	61
81	Epigenetic inheritance of metabolic state. *Current Opinion in Genetics and Development*, **2014**, 27, 43-7	4.9	31
80	The LYR factors SDHAF1 and SDHAF3 mediate maturation of the iron-sulfur subunit of succinate dehydrogenase. *Cell Metabolism*, **2014**, 20, 253-66	24.6	75
79	Coordinated metabolic transitions during Drosophila embryogenesis and the onset of aerobic glycolysis. *G3: Genes, Genomes, Genetics*, **2014**, 4, 839-50	3.2	79
78	Methods for studying metabolism in Drosophila. *Methods*, **2014**, 68, 105-15	4.6	223
77	Constitutive activation of the Nrf2/Keap1 pathway in insecticide-resistant strains of Drosophila. *Insect Biochemistry and Molecular Biology*, **2013**, 43, 1116-24	4.5	73
76	A mitochondrial pyruvate carrier required for pyruvate uptake in yeast, Drosophila, and humans. *Science*, **2012**, 337, 96-100	33.3	514
75	Coordination of triacylglycerol and cholesterol homeostasis by DHR96 and the Drosophila LipA homolog magro. *Cell Metabolism*, **2012**, 15, 122-7	24.6	75
74	The Drosophila estrogen-related receptor directs a metabolic switch that supports developmental growth. *Cell Metabolism*, **2011**, 13, 139-48	24.6	182
73	Coordinating growth and maturation - insights from Drosophila. *Current Biology*, **2011**, 21, R750-7	6.3	139
72	The Drosophila NR4A nuclear receptor DHR38 regulates carbohydrate metabolism and glycogen storage. *Molecular Endocrinology*, **2011**, 25, 83-91		42
71	Transcriptional regulation of xenobiotic detoxification in Drosophila. *Genes and Development*, **2011**, 25, 1796-806	12.6	182
70	The circadian clock, light, and cryptochrome regulate feeding and metabolism in Drosophila. *Journal of Biological Rhythms*, **2011**, 26, 497-506	3.2	37
69	The Drosophila nuclear receptors DHR3 and betaFTZ-F1 control overlapping developmental responses in late embryos. *Development (Cambridge)*, **2010**, 137, 123-31	6.6	56
68	Med24 and Mdh2 are required for Drosophila larval salivary gland cell death. *Developmental Dynamics*, **2010**, 239, 954-64	2.9	27
67	The Drosophila DHR96 nuclear receptor binds cholesterol and regulates cholesterol homeostasis. *Genes and Development*, **2009**, 23, 2711-6	12.6	82

66	Drosophila DHR38 nuclear receptor is required for adult cuticle integrity at eclosion. *Developmental Dynamics*, **2009**, 238, 701-7	2.9	24
65	Drosophila HNF4 regulates lipid mobilization and beta-oxidation. *Cell Metabolism*, **2009**, 9, 228-39	24.6	182
64	The DHR96 nuclear receptor controls triacylglycerol homeostasis in Drosophila. *Cell Metabolism*, **2009**, 10, 481-90	24.6	109
63	Developmental timing: let-7 function conserved through evolution. *Current Biology*, **2008**, 18, R707-8	6.3	21
62	A genetic screen identifies new regulators of steroid-triggered programmed cell death in Drosophila. *Genetics*, **2008**, 180, 269-81	4	24
61	dTrf2 is required for transcriptional and developmental responses to ecdysone during Drosophila metamorphosis. *Developmental Dynamics*, **2007**, 236, 3173-9	2.9	17
60	To die or not to die--a role for Fork head. *Journal of Cell Biology*, **2007**, 176, 737-9	7.3	3
59	Functional interactions between the Moses corepressor and DHR78 nuclear receptor regulate growth in Drosophila. *Genes and Development*, **2007**, 21, 450-64	12.6	13
58	Down-regulation of inhibitor of apoptosis levels provides competence for steroid-triggered cell death. *Journal of Cell Biology*, **2007**, 178, 85-92	7.3	37
57	Diabetic larvae and obese flies-emerging studies of metabolism in Drosophila. *Cell Metabolism*, **2007**, 6, 257-66	24.6	348
56	Prothoracicotropic hormone regulates developmental timing and body size in Drosophila. *Developmental Cell*, **2007**, 13, 857-71	10.2	324
55	Specific transcriptional responses to juvenile hormone and ecdysone in Drosophila. *Insect Biochemistry and Molecular Biology*, **2007**, 37, 570-8	4.5	51
54	Dynamic regulation of Drosophila nuclear receptor activity in vivo. *Development (Cambridge)*, **2006**, 133, 3549-62	6.6	83
53	Indicted: worms caught using steroids. *Cell*, **2006**, 124, 1137-40	56.2	29
52	The DHR96 nuclear receptor regulates xenobiotic responses in Drosophila. *Cell Metabolism*, **2006**, 4, 37-48	24.6	154
51	The ecdysone-induced DHR4 orphan nuclear receptor coordinates growth and maturation in Drosophila. *Cell*, **2005**, 121, 773-84	56.2	91
50	Powered by gas--a ligand for a fruit fly nuclear receptor. *Cell*, **2005**, 122, 151-3	56.2	9
49	Mechanisms of steroid-triggered programmed cell death in Drosophila. *Seminars in Cell and Developmental Biology*, **2005**, 16, 237-43	7.5	152

48	Nuclear receptors--a perspective from Drosophila. *Nature Reviews Genetics*, **2005**, 6, 311-23	30.1	431
47	Developmental biology. Less steroids make bigger flies. *Science*, **2005**, 310, 630-1	33.3	22
46	rigor mortis encodes a novel nuclear receptor interacting protein required for ecdysone signaling during Drosophila larval development. *Development (Cambridge)*, **2004**, 131, 25-36	6.6	47
45	A balance between the diap1 death inhibitor and reaper and hid death inducers controls steroid-triggered cell death in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 8022-7	11.5	82
44	Essential roles for the Dhr78 orphan nuclear receptor during molting of the Drosophila tracheal system. *Insect Biochemistry and Molecular Biology*, **2003**, 33, 1201-9	4.5	12
43	The Drosophila orphan nuclear receptor DHR38 mediates an atypical ecdysteroid signaling pathway. *Cell*, **2003**, 113, 731-42	56.2	203
42	GFP in living animals reveals dynamic developmental responses to ecdysone during Drosophila metamorphosis. *Developmental Biology*, **2003**, 256, 389-402	3.1	44
41	Coordinate regulation of small temporal RNAs at the onset of Drosophila metamorphosis. *Developmental Biology*, **2003**, 259, 1-8	3.1	102
40	Essential roles for ecdysone signaling during Drosophila mid-embryonic development. *Science*, **2003**, 301, 1911-4	33.3	133
39	Temporal profiles of nuclear receptor gene expression reveal coordinate transcriptional responses during Drosophila development. *Molecular Endocrinology*, **2003**, 17, 2125-37		144
38	Drosophila Nuclear Receptors **2003**, 69-73		1
37	Genetic modifier screens in Drosophila demonstrate a role for Rho1 signaling in ecdysone-triggered imaginal disc morphogenesis. *Genetics*, **2003**, 165, 1397-415	4	30
36	Steroid signaling in plants and insects--common themes, different pathways. *Genes and Development*, **2002**, 16, 3113-29	12.6	120
35	Loss of the ecdysteroid-inducible E75A orphan nuclear receptor uncouples molting from metamorphosis in Drosophila. *Developmental Cell*, **2002**, 3, 209-20	10.2	139
34	Ecdysone-regulated puff genes 2000. *Insect Biochemistry and Molecular Biology*, **2002**, 32, 113-20	4.5	139
33	Spatial patterns of ecdysteroid receptor activation during the onset ofDrosophilametamorphosis. *Development (Cambridge)*, **2002**, 129, 1739-1750	6.6	54
32	Steroid-triggered death by autophagy. *BioEssays*, **2001**, 23, 677-82	4.1	63
31	Molecular mechanisms of developmental timing in C. elegans and Drosophila. *Developmental Cell*, **2001**, 1, 453-65	10.2	252

30	Inducible expression of double-stranded RNA directs specific genetic interference in Drosophila. *Current Biology*, **2000**, 10, 957-63	6.3	129
29	The ecdysone regulatory pathway controls wing morphogenesis and integrin expression during Drosophila metamorphosis. *Developmental Biology*, **2000**, 220, 211-24	3.1	48
28	Transcriptional activation of the Drosophila ecdysone receptor by insect and plant ecdysteroids. *Insect Biochemistry and Molecular Biology*, **2000**, 30, 1037-43	4.5	51
27	Steroid regulation of postembryonic development and reproduction in Drosophila. *Trends in Endocrinology and Metabolism*, **2000**, 11, 276-80	8.8	120
26	E93 directs steroid-triggered programmed cell death in Drosophila. *Molecular Cell*, **2000**, 6, 433-43	17.6	160
25	A steroid-triggered transcriptional hierarchy controls salivary gland cell death during Drosophila metamorphosis. *Molecular Cell*, **2000**, 5, 445-55	17.6	227
24	Genetic analysis of the Drosophila 63F early puff. Characterization of mutations in E63-1 and maggie, a putative Tom22. *Genetics*, **2000**, 156, 229-44	4	13
23	An enhancer trap screen for ecdysone-inducible genes required for Drosophila adult leg morphogenesis. *Genetics*, **2000**, 156, 1765-76	4	14
22	The Drosophila beta FTZ-F1 orphan nuclear receptor provides competence for stage-specific responses to the steroid hormone ecdysone. *Molecular Cell*, **1999**, 3, 143-9	17.6	210
21	DHR3 is required for the prepupal-pupal transition and differentiation of adult structures during Drosophila metamorphosis. *Developmental Biology*, **1999**, 212, 204-16	3.1	103
20	The DHR78 nuclear receptor is required for ecdysteroid signaling during the onset of Drosophila metamorphosis. *Cell*, **1998**, 93, 543-55	56.2	55
19	Dueling orphans--interacting nuclear receptors coordinate Drosophila metamorphosis. *BioEssays*, **1997**, 19, 669-72	4.1	54
18	Molecular characterization of the 71E late puff in Drosophila melanogaster reveals a family of novel genes. *Journal of Molecular Biology*, **1996**, 255, 387-400	6.5	38
17	Flies on steroids--Drosophila metamorphosis and the mechanisms of steroid hormone action. *Trends in Genetics*, **1996**, 12, 306-10	8.5	418
16	The nuclear receptor superfamily: the second decade. *Cell*, **1995**, 83, 835-9	56.2	5950
15	From embryogenesis to metamorphosis: the regulation and function of Drosophila nuclear receptor superfamily members. *Cell*, **1995**, 83, 871-7	56.2	307
14	Ecdysteroid regulation and DNA binding properties of Drosophila nuclear hormone receptor superfamily members. *Developmental Biology*, **1995**, 168, 490-502	3.1	156
13	The Drosophila E93 gene from the 93F early puff displays stage- and tissue-specific regulation by 20-hydroxyecdysone. *Developmental Biology*, **1995**, 171, 85-97	3.1	118

12	Methods for quantitative analysis of transcription in larvae and prepupae. *Methods in Cell Biology*, **1994**, 44, 565-73	1.8	102
11	A molecular mechanism for the stage specificity of the Drosophila prepupal genetic response to ecdysone. *Cell*, **1994**, 79, 607-15	56.2	192
10	Molecular analysis of the initiation of insect metamorphosis: a comparative study of Drosophila ecdysteroid-regulated transcription. *Developmental Biology*, **1993**, 160, 388-404	3.1	229
9	The Drosophila 78C early late puff contains E78, an ecdysone-inducible gene that encodes a novel member of the nuclear hormone receptor superfamily. *Cell*, **1993**, 75, 307-20	56.2	98
8	Isolation and characterization of five Drosophila genes that encode an ets-related DNA binding domain. *Developmental Biology*, **1992**, 151, 176-91	3.1	60
7	Puffs and gene regulation--molecular insights into the Drosophila ecdysone regulatory hierarchy. *BioEssays*, **1990**, 12, 561-8	4.1	56
6	The Drosophila 74EF early puff contains E74, a complex ecdysone-inducible gene that encodes two ets-related proteins. *Cell*, **1990**, 61, 85-99	56.2	380
5	Spatial and temporal patterns of E74 transcription during Drosophila development. *Cell*, **1990**, 61, 101-11	56.2	231
4	Molecular interactions within the ecdysone regulatory hierarchy: DNA binding properties of the Drosophila ecdysone-inducible E74A protein. *Cell*, **1990**, 63, 47-61	56.2	192
3	Vectors for Drosophila P-element-mediated transformation and tissue culture transfection. *Gene*, **1988**, 74, 445-56	3.8	547
2	Translational control of SV40 T antigen expressed from the adenovirus late promoter. *Cell*, **1983**, 33, 455-64	56.2	73
1	Expression of SV40 T antigen under control of adenovirus promoters. *Cell*, **1981**, 23, 825-36	56.2	85