

# Michael B O connor

## List of Publications by Citations

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144  
papers

13,107  
citations

60  
h-index

113  
g-index

181  
ext. papers

14,653  
ext. citations

11.8  
avg, IF

6.18  
L-index

#	Paper	IF	Citations
144	Histone methyltransferase activity of a Drosophila Polycomb group repressor complex. <i>Cell</i> , <b>2002</b> , 111, 197-208	56.2	1240
143	MADR1, a MAD-related protein that functions in BMP2 signaling pathways. <i>Cell</i> , <b>1996</b> , 85, 489-500	56.2	655
142	Ecdysone control of developmental transitions: lessons from Drosophila research. <i>Annual Review of Entomology</i> , <b>2013</b> , 58, 497-516	21.8	373
141	Production of a DPP activity gradient in the early Drosophila embryo through the opposing actions of the SOG and TLD proteins. <i>Cell</i> , <b>1997</b> , 91, 417-26	56.2	370
140	Prothoracicotropic hormone regulates developmental timing and body size in Drosophila. <i>Developmental Cell</i> , <b>2007</b> , 13, 857-71	10.2	324
139	Shade is the Drosophila P450 enzyme that mediates the hydroxylation of ecdysone to the steroid insect molting hormone 20-hydroxyecdysone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 13773-8	11.5	322
138	The BMP homolog Gbb provides a retrograde signal that regulates synaptic growth at the Drosophila neuromuscular junction. <i>Neuron</i> , <b>2003</b> , 39, 241-54	13.9	318
137	The Drosophila dorsal-ventral patterning gene tolloid is related to human bone morphogenetic protein 1. <i>Cell</i> , <b>1991</b> , 67, 469-81	56.2	285
136	Characterization and relationship of Dpp receptors encoded by the saxophone and thick veins genes in Drosophila. <i>Cell</i> , <b>1994</b> , 78, 251-61	56.2	278
135	Molecular and biochemical characterization of two P450 enzymes in the ecdysteroidogenic pathway of Drosophila melanogaster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 11043-8	11.5	267
134	The Drosophila BMP type II receptor Wishful Thinking regulates neuromuscular synapse morphology and function. <i>Neuron</i> , <b>2002</b> , 33, 529-43	13.9	258
133	Elements of the Drosophila bithorax complex that mediate repression by Polycomb group products. <i>Developmental Biology</i> , <b>1993</b> , 158, 131-44	3.1	257
132	Twisted gastrulation is a conserved extracellular BMP antagonist. <i>Nature</i> , <b>2001</b> , 410, 479-83	50.4	243
131	The insect neuropeptide PTTH activates receptor tyrosine kinase torso to initiate metamorphosis. <i>Science</i> , <b>2009</b> , 326, 1403-5	33.3	242
130	Facilitated transport of a Dpp/Scw heterodimer by Sog/Tsg leads to robust patterning of the Drosophila blastoderm embryo. <i>Cell</i> , <b>2005</b> , 120, 873-86	56.2	242
129	Drosophila Dpp signaling is mediated by the punt gene product: a dual ligand-binding type II receptor of the TGF beta receptor family. <i>Cell</i> , <b>1995</b> , 80, 899-908	56.2	242
128	Spook and Spookier code for stage-specific components of the ecdysone biosynthetic pathway in Diptera. <i>Developmental Biology</i> , <b>2006</b> , 298, 555-70	3.1	232

127	Shaping BMP morphogen gradients in the <i>Drosophila</i> embryo and pupal wing. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 183-93	6.6	224
126	Phantom encodes the 25-hydroxylase of <i>Drosophila melanogaster</i> and <i>Bombyx mori</i> : a P450 enzyme critical in ecdysone biosynthesis. <i>Insect Biochemistry and Molecular Biology</i> , <b>2004</b> , 34, 991-1010	4.5	216
125	The <i>Xenopus</i> dorsalizing factor noggin ventralizes <i>Drosophila</i> embryos by preventing DPP from activating its receptor. <i>Cell</i> , <b>1996</b> , 86, 607-17	56.2	215
124	A fat body-derived IGF-like peptide regulates postfeeding growth in <i>Drosophila</i> . <i>Developmental Cell</i> , <b>2009</b> , 17, 885-91	10.2	196
123	The <i>Drosophila</i> schnurri gene acts in the Dpp/TGF beta signaling pathway and encodes a transcription factor homologous to the human MBP family. <i>Cell</i> , <b>1995</b> , 81, 781-90	56.2	192
122	TGF-beta signaling activates steroid hormone receptor expression during neuronal remodeling in the <i>Drosophila</i> brain. <i>Cell</i> , <b>2003</b> , 112, 303-15	56.2	189
121	Highwire regulates presynaptic BMP signaling essential for synaptic growth. <i>Neuron</i> , <b>2004</b> , 41, 891-905	13.9	182
120	The screw gene encodes a ubiquitously expressed member of the TGF-beta family required for specification of dorsal cell fates in the <i>Drosophila</i> embryo. <i>Genes and Development</i> , <b>1994</b> , 8, 2588-601	12.6	173
119	Axonal heparan sulfate proteoglycans regulate the distribution and efficiency of the repellent slit during midline axon guidance. <i>Current Biology</i> , <b>2004</b> , 14, 499-504	6.3	172
118	The extracellular regulation of bone morphogenetic protein signaling. <i>Development (Cambridge)</i> , <b>2009</b> , 136, 3715-28	6.6	159
117	Molecular evolution of the insect Halloween family of cytochrome P450s: phylogeny, gene organization and functional conservation. <i>Insect Biochemistry and Molecular Biology</i> , <b>2007</b> , 37, 741-53	4.5	157
116	The <i>Drosophila</i> activin receptor baboon signals through dSmad2 and controls cell proliferation but not patterning during larval development. <i>Genes and Development</i> , <b>1999</b> , 13, 98-111	12.6	149
115	Discrete pulses of molting hormone, 20-hydroxyecdysone, during late larval development of <i>Drosophila melanogaster</i> : correlations with changes in gene activity. <i>Developmental Dynamics</i> , <b>2006</b> , 235, 315-26	2.9	136
114	Neuroendocrine regulation of <i>Drosophila</i> metamorphosis requires TGFbeta/Activin signaling. <i>Development (Cambridge)</i> , <b>2011</b> , 138, 2693-703	6.6	134
113	The BMP-binding protein Crossveinless 2 is a short-range, concentration-dependent, biphasic modulator of BMP signaling in <i>Drosophila</i> . <i>Developmental Cell</i> , <b>2008</b> , 14, 940-53	10.2	131
112	Iron is essential for neuron development and memory function in mouse hippocampus. <i>Journal of Nutrition</i> , <b>2009</b> , 139, 672-9	4.1	129
111	Fetal iron deficiency disrupts the maturation of synaptic function and efficacy in area CA1 of the developing rat hippocampus. <i>Hippocampus</i> , <b>2005</b> , 15, 1094-102	3.5	122
110	Morphogenetic apoptosis: a mechanism for correcting discontinuities in morphogen gradients. <i>Developmental Biology</i> , <b>2002</b> , 251, 74-90	3.1	120

109	Mapping a cloned gene under sporulation control by inserttion of a drug resistance marker into the <i>Bacillus subtilis</i> chromosome. <i>Journal of Bacteriology</i> , <b>1980</b> , 142, 90-8	3.5	116
108	The TGF beta activated kinase TAK1 regulates vascular development in vivo. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 1529-41	6.6	111
107	A role for betaFTZ-F1 in regulating ecdysteroid titers during post-embryonic development in <i>Drosophila melanogaster</i> . <i>Developmental Biology</i> , <b>2005</b> , 282, 84-94	3.1	109
106	TAK1 participates in c-Jun N-terminal kinase signaling during <i>Drosophila</i> development. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 3015-26	4.8	104
105	Robust, bistable patterning of the dorsal surface of the <i>Drosophila</i> embryo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 11613-8	11.5	101
104	Identification of a <i>Drosophila</i> activin receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1993</b> , 90, 9475-9	11.5	99
103	The mammalian twisted gastrulation gene functions in foregut and craniofacial development. <i>Developmental Biology</i> , <b>2004</b> , 267, 374-86	3.1	95
102	Glia instruct developmental neuronal remodeling through TGF- $\beta$ signaling. <i>Nature Neuroscience</i> , <b>2011</b> , 14, 821-3	25.5	92
101	Physical properties of Tld, Sog, Tsg and Dpp protein interactions are predicted to help create a sharp boundary in Bmp signals during dorsoventral patterning of the <i>Drosophila</i> embryo. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 4673-82	6.6	89
100	Neuroendocrine control of <i>Drosophila</i> larval light preference. <i>Science</i> , <b>2013</b> , 341, 1113-6	33.3	88
99	Developmental checkpoints and feedback circuits time insect maturation. <i>Current Topics in Developmental Biology</i> , <b>2013</b> , 103, 1-33	5.3	82
98	Vesicle-Mediated Steroid Hormone Secretion in <i>Drosophila melanogaster</i> . <i>Cell</i> , <b>2015</b> , 163, 907-19	56.2	77
97	Tiling of r7 axons in the <i>Drosophila</i> visual system is mediated both by transduction of an activin signal to the nucleus and by mutual repulsion. <i>Neuron</i> , <b>2007</b> , 56, 793-806	13.9	77
96	Enhancer point mutation results in a homeotic transformation in <i>Drosophila</i> . <i>Science</i> , <b>1994</b> , 264, 968-71	33.3	77
95	Retrograde Gbb signaling through the Bmp type 2 receptor wishful thinking regulates systemic FMRFa expression in <i>Drosophila</i> . <i>Development (Cambridge)</i> , <b>2003</b> , 130, 5457-70	6.6	76
94	Functional analysis of repressor binding sites in the <i>iab-2</i> regulatory region of the abdominal-A homeotic gene. <i>Developmental Biology</i> , <b>2000</b> , 218, 38-52	3.1	75
93	Midgut-Derived Activin Regulates Glucagon-like Action in the Fat Body and Glycemic Control. <i>Cell Metabolism</i> , <b>2017</b> , 25, 386-399	24.6	74
92	Organism-scale modeling of early <i>Drosophila</i> patterning via bone morphogenetic proteins. <i>Developmental Cell</i> , <b>2010</b> , 18, 260-74	10.2	74

91	Systemic Activin signaling independently regulates sugar homeostasis, cellular metabolism, and pH balance in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 5729-34	11.5	73
90	The crossveinless gene encodes a new member of the Twisted gastrulation family of BMP-binding proteins which, with Short gastrulation, promotes BMP signaling in the crossveins of the <i>Drosophila</i> wing. <i>Developmental Biology</i> , <b>2005</b> , 282, 70-83	3.1	73
89	Steroid hormone inactivation is required during the juvenile-adult transition in <i>Drosophila</i> . <i>Developmental Cell</i> , <b>2010</b> , 19, 895-902	10.2	69
88	A phosphoproteomics approach to elucidate neuropeptide signal transduction controlling insect metamorphosis. <i>Insect Biochemistry and Molecular Biology</i> , <b>2009</b> , 39, 475-83	4.5	68
87	Characterization of tolloid-related-1: a BMP-1-like product that is required during larval and pupal stages of <i>Drosophila</i> development. <i>Developmental Biology</i> , <b>1994</b> , 166, 569-86	3.1	67
86	The metalloprotease tolloid-related and its TGF-beta-like substrate Dawdle regulate <i>Drosophila</i> motoneuron axon guidance. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 4969-79	6.6	64
85	Two domains of the tolloid protein contribute to its unusual genetic interaction with decapentaplegic. <i>Developmental Biology</i> , <b>1994</b> , 162, 209-20	3.1	63
84	Photoreceptor-derived activin promotes dendritic termination and restricts the receptive fields of first-order interneurons in <i>Drosophila</i> . <i>Neuron</i> , <b>2014</b> , 81, 830-846	13.9	58
83	<i>Drosophila</i> Activin- and the Activin-like product Dawdle function redundantly to regulate proliferation in the larval brain. <i>Development (Cambridge)</i> , <b>2008</b> , 135, 513-21	6.6	58
82	Is chordin a long-range- or short-range-acting factor? Roles for BMP1-related metalloproteases in chordin and BMP4 autofeedback loop regulation. <i>Developmental Biology</i> , <b>2000</b> , 223, 120-38	3.1	57
81	A <i>Drosophila</i> Genome-Wide Screen Identifies Regulators of Steroid Hormone Production and Developmental Timing. <i>Developmental Cell</i> , <b>2016</b> , 37, 558-70	10.2	55
80	Dynamic feedback circuits function as a switch for shaping a maturation-inducing steroid pulse in <i>Drosophila</i> . <i>Development (Cambridge)</i> , <b>2013</b> , 140, 4730-9	6.6	54
79	The Insect Prothoracic Gland as a Model for Steroid Hormone Biosynthesis and Regulation. <i>Cell Reports</i> , <b>2016</b> , 16, 247-262	10.6	53
78	Matching catalytic activity to developmental function: tolloid-related processes Sog in order to help specify the posterior crossvein in the <i>Drosophila</i> wing. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 2645-56	6.6	49
77	Presynaptic contributions of chordin to hippocampal plasticity and spatial learning. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 7740-50	6.6	47
76	Bone morphogenetic proteins signal via SMAD and mitogen-activated protein (MAP) kinase pathways at distinct times during osteoclastogenesis. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 37230-40	5.4	46
75	Mechanisms of TSC-mediated control of synapse assembly and axon guidance. <i>PLoS ONE</i> , <b>2007</b> , 2, e375	3.7	44
74	Role of the F factor oriV1 region in recA-independent illegitimate recombination. Stable replicon fusions of the F derivative pOX38 and pBR322-related plasmids. <i>Journal of Molecular Biology</i> , <b>1984</b> , 175, 263-84	6.5	42

73	The Insulin-Like Proteins dILPs-2/5 Determine Diapause Inducibility in <i>Drosophila</i> . <i>PLoS ONE</i> , <b>2016</b> , 11, e0163680	3.7	42
72	Mechanisms for removal of developmentally abnormal cells: cell competition and morphogenetic apoptosis. <i>Journal of Biochemistry</i> , <b>2004</b> , 136, 13-7	3.1	41
71	Canonical TGF-beta signaling is required for the balance of excitatory/inhibitory transmission within the hippocampus and prepulse inhibition of acoustic startle. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 6025-35	6.6	40
70	Robustness of embryonic spatial patterning in <i>Drosophila melanogaster</i> . <i>Current Topics in Developmental Biology</i> , <b>2008</b> , 81, 65-111	5.3	39
69	TGF-IFamily Signaling in. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2017</b> , 9,	10.2	37
68	Strategies for exploring TGF-IFsignaling in <i>Drosophila</i> . <i>Methods</i> , <b>2014</b> , 68, 183-93	4.6	37
67	Transcriptional control of steroid biosynthesis genes in the <i>Drosophila</i> prothoracic gland by ventral veins lacking and knirps. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004343	6	37
66	Hippocampus specific iron deficiency alters competition and cooperation between developing memory systems. <i>Journal of Neurodevelopmental Disorders</i> , <b>2010</b> , 2, 133-43	4.6	37
65	Regulation of <i>Drosophila</i> hematopoietic sites by Activin-IFrom active sensory neurons. <i>Nature Communications</i> , <b>2017</b> , 8, 15990	17.4	36
64	A new insertion sequence, IS121, is found on the Mu d11 (Ap lac) bacteriophage and the <i>Escherichia coli</i> K-12 chromosome. <i>Journal of Bacteriology</i> , <b>1983</b> , 156, 669-79	3.5	36
63	Prothoracicotropic hormone modulates environmental adaptive plasticity through the control of developmental timing. <i>Development (Cambridge)</i> , <b>2018</b> , 145,	6.6	35
62	Extremes of lineage plasticity in the <i>Drosophila</i> brain. <i>Current Biology</i> , <b>2013</b> , 23, 1908-13	6.3	35
61	Mapping of DNA gyrase cleavage sites in vivo oxolinic acid induced cleavages in plasmid pBR322. <i>Journal of Molecular Biology</i> , <b>1985</b> , 181, 545-50	6.5	34
60	dSno facilitates baboon signaling in the <i>Drosophila</i> brain by switching the affinity of Medea away from Mad and toward dSmad2. <i>Genetics</i> , <b>2006</b> , 174, 1299-313	4	33
59	Two distinct transmembrane serine/threonine kinases from <i>Drosophila melanogaster</i> form an activin receptor complex. <i>Molecular and Cellular Biology</i> , <b>1994</b> , 14, 944-950	4.8	33
58	Diapause: delaying the developmental clock in response to a changing environment. <i>Current Topics in Developmental Biology</i> , <b>2013</b> , 105, 213-46	5.3	31
57	Shaping BMP morphogen gradients through enzyme-substrate interactions. <i>Developmental Cell</i> , <b>2011</b> , 21, 375-83	10.2	31
56	Nemo kinase interacts with Mad to coordinate synaptic growth at the <i>Drosophila</i> neuromuscular junction. <i>Journal of Cell Biology</i> , <b>2009</b> , 185, 713-25	7.3	30

55	The Drosophila Activin-like ligand Dawdle signals preferentially through one isoform of the Type-I receptor Baboon. <i>Mechanisms of Development</i> , <b>2009</b> , 126, 950-7	1.7	30
54	Twisted gastrulation and chordin inhibit differentiation and mineralization in MC3T3-E1 osteoblast-like cells. <i>Bone</i> , <b>2005</b> , 36, 617-26	4.7	30
53	Expression of TAK1, a mediator of TGF-beta and BMP signaling, during mouse embryonic development. <i>Gene Expression Patterns</i> , <b>2003</b> , 3, 131-4	1.5	30
52	Studies on the Black Box: incorporation of 3-oxo-7-dehydrocholesterol into ecdysteroids by <i>Drosophila melanogaster</i> and <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2009</b> , 39, 677-87	4.5	29
51	R-Smad competition controls activin receptor output in <i>Drosophila</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e36548	3.7	27
50	Activin receptor inhibition by Smad2 regulates <i>Drosophila</i> wing disc patterning through BMP-response elements. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 649-59	6.6	23
49	The <i>Drosophila</i> Zinc Finger Transcription Factor Ouija Board Controls Ecdysteroid Biosynthesis through Specific Regulation of spookier. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005712	6	23
48	The BMP2/4 ortholog Dpp can function as an inter-organ signal that regulates developmental timing. <i>Life Science Alliance</i> , <b>2018</b> , 1, e201800216	5.8	23
47	Regulation of neuroblast proliferation by surface glia in the <i>Drosophila</i> larval brain. <i>Scientific Reports</i> , <b>2018</b> , 8, 3730	4.9	22
46	DNA-binding domain mutations in SMAD genes yield dominant-negative proteins or a neomorphic protein that can activate WG target genes in <i>Drosophila</i> . <i>Development (Cambridge)</i> , <b>2005</b> , 132, 4883-94	6.6	22
45	Site-specific and illegitimate recombination in the oriV1 region of the F factor. DNA sequences involved in recombination and resolution. <i>Journal of Molecular Biology</i> , <b>1986</b> , 189, 85-102	6.5	22
44	Wing-to-Leg homeosis by spineless causes apoptosis regulated by Fish-lips, a novel leucine-rich repeat transmembrane protein. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 3140-50	4.8	21
43	<i>Drosophila</i> histone deacetylase-3 controls imaginal disc size through suppression of apoptosis. <i>PLoS Genetics</i> , <b>2008</b> , 4, e1000009	6	19
42	Control of the insect metamorphic transition by ecdysteroid production and secretion. <i>Current Opinion in Insect Science</i> , <b>2021</b> , 43, 11-20	5.1	19
41	CTCF-dependent co-localization of canonical Smad signaling factors at architectural protein binding sites in <i>D. melanogaster</i> . <i>Cell Cycle</i> , <b>2015</b> , 14, 2677-87	4.7	18
40	The <i>Drosophila</i> gap gene giant regulates ecdysone production through specification of the PTH-producing neurons. <i>Developmental Biology</i> , <b>2010</b> , 347, 271-8	3.1	17
39	Anterograde Activin signaling regulates postsynaptic membrane potential and GluRIIA/B abundance at the <i>Drosophila</i> neuromuscular junction. <i>PLoS ONE</i> , <b>2014</b> , 9, e107443	3.7	17
38	Nitric oxide directly regulates gene expression during <i>Drosophila</i> development: need some gas to drive into metamorphosis?. <i>Genes and Development</i> , <b>2011</b> , 25, 1459-63	12.6	16

37	Mice lacking the chromodomain helicase DNA-binding 5 chromatin remodeler display autism-like characteristics. <i>Translational Psychiatry</i> , <b>2017</b> , 7, e1152	8.6	15
36	A Tissue- and Temporal-Specific Autophagic Switch Controls Drosophila Pre-metamorphic Nutritional Checkpoints. <i>Current Biology</i> , <b>2019</b> , 29, 2840-2851.e4	6.3	15
35	The expression of twisted gastrulation in postnatal mouse brain and functional implications. <i>Neuroscience</i> , <b>2010</b> , 169, 920-31	3.9	15
34	Isolation of Drosophila activin and follistatin cDNAs using novel MACH amplification protocols. <i>Gene</i> , <b>2002</b> , 291, 85-93	3.8	15
33	Diet and energy-sensing inputs affect TorC1-mediated axon misrouting but not TorC2-directed synapse growth in a Drosophila model of tuberous sclerosis. <i>PLoS ONE</i> , <b>2012</b> , 7, e30722	3.7	15
32	Body Size and Tissue-Scaling Is Regulated by Motoneuron-Derived Activin. <i>Genetics</i> , <b>2019</b> , 213, 1447-1464	15	
31	UPRT, a suicide-gene therapy candidate in higher eukaryotes, is required for Drosophila larval growth and normal adult lifespan. <i>Scientific Reports</i> , <b>2015</b> , 5, 13176	4.9	14
30	Involvement of twisted gastrulation in T cell-independent plasma cell production. <i>Journal of Immunology</i> , <b>2011</b> , 186, 6860-70	5.3	13
29	Forebrain-Specific Loss of BMPRII in Mice Reduces Anxiety and Increases Object Exploration. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139860	3.7	12
28	Timing is Everything: PTH Mediated DHR4 Nucleocytoplasmic Trafficking Sets the Tempo of Drosophila Steroid Production. <i>Frontiers in Endocrinology</i> , <b>2011</b> , 2, 108	5.7	12
27	BMP signaling in Drosophila embryogenesis. <i>Annals of the New York Academy of Sciences</i> , <b>1996</b> , 785, 80-97	10	
26	The TGF-beta/Activin-like ligands Dawdle and Myoglianin appear to modulate adult lifespan through regulation of 26S proteasome function in adult muscle. <i>Biology Open</i> , <b>2018</b> , 7,	2.2	9
25	A frameshift mutation at the junction of an IS1 insertion within lacZ restores beta-galactosidase activity via formation of an active lacZ-IS1 fusion protein. <i>Journal of Molecular Biology</i> , <b>1985</b> , 181, 551-5	6.5	9
24	Engineering multiple species-like genetic incompatibilities in insects. <i>Nature Communications</i> , <b>2020</b> , 11, 4468	17.4	9
23	AKH Signaling in Alters Larval Development in a Nutrient-Dependent Manner That Influences Adult Metabolism. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 619219	4.6	9
22	Glycosylation of Twisted Gastrulation is Required for BMP Binding and Activity during Craniofacial Development. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 59	4.6	8
21	Muscle-derived Myoglianin regulates imaginal disc growth. <i>ELife</i> , <b>2020</b> , 9,	8.9	6
20	Site-specific recombination in the oriV1 region of the F factor. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>1984</b> , 49, 421-34	3.9	6

19	Histone Carbonylation Is a Redox-Regulated Epigenomic Mark That Accumulates with Obesity and Aging. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	6
18	Developmental Maturation: Drosophila AstA Signaling Provides a Kiss to Grow Up. <i>Current Biology</i> , <b>2019</b> , 29, R161-R164	6.3	5
17	Glue protein production can be triggered by steroid hormone signaling independent of the developmental program in Drosophila melanogaster. <i>Developmental Biology</i> , <b>2017</b> , 430, 166-176	3.1	5
16	The Role of Muscle in Insect Energy Homeostasis. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 580687	4.6	5
15	Proliferative stem cells maintain quiescence of their niche by secreting the Activin inhibitor Follistatin. <i>Developmental Cell</i> , <b>2021</b> , 56, 2284-2294.e6	10.2	5
14	Activin signaling promotes muscle growth through InR/TORC1-dependent and -independent processes. <i>Development (Cambridge)</i> , <b>2021</b> , 148,	6.6	4
13	Coordination among multiple receptor tyrosine kinase signals controls Drosophila developmental timing and body size. <i>Cell Reports</i> , <b>2021</b> , 36, 109644	10.6	4
12	The insulator protein CTCF regulates Drosophila steroidogenesis. <i>Biology Open</i> , <b>2015</b> , 4, 852-7	2.2	3
11	Drosophila MOV10 regulates the termination of midgut regeneration. <i>Genetics</i> , <b>2021</b> , 218,	4	3
10	Drosophila Activin signaling promotes muscle growth through InR/dTORC1 dependent and independent processes		2
9	Current Topics in Developmental Biology. Developmental timing. Preface. <i>Current Topics in Developmental Biology</i> , <b>2013</b> , 105, xiii-xv	5.3	1
8	Apiology: royal secrets in the queen's fat body. <i>Current Biology</i> , <b>2011</b> , 21, R510-2	6.3	1
7	Motoneuron-derived Activin $\beta$ regulates Drosophila body size and tissue-scaling during larval growth and adult development		1
6	Lean on Me: Cell-Cell Interactions Release TGF- $\beta$ for Local Consumption Only. <i>Cell</i> , <b>2018</b> , 174, 18-20	56.2	1
5	You're going to need a bigger (glass bottom) boat. <i>Science Signaling</i> , <b>2012</b> , 5, pe14	8.8	0
4	Adult Movement Defects Associated with a CORL Mutation in Display Behavioral Plasticity. <i>G3: Genes, Genomes, Genetics</i> , <b>2020</b> , 10, 1697-1706	3.2	0
3	Tolloid (Drosophila) <b>2004</b> , 617-620		
2	Tolloid (Drosophila) <b>2013</b> , 932-936		

- 1 A juxtamembrane basolateral targeting motif regulates signaling through a TGF- $\beta$  pathway receptor in *Drosophila*. *PLoS Biology*, **2022**, 20, e3001660

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