# Michael B O connor

## List of Publications by Year in Descending Order



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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 | A juxtamembrane basolateral targeting motif regulates signaling through a TGF-β pathway receptor in Drosophila.. *PLoS Biology*, **2022**, 20, e3001660 | 9.7 | |
| 143 | Activin signaling promotes muscle growth through InR/TORC1-dependent and -independent processes. *Development (Cambridge)*, **2021**, 148, | 6.6 | 4 |
| 142 | Drosophila MOV10 regulates the termination of midgut regeneration. *Genetics*, **2021**, 218, | 4 | 3 |
| 141 | Control of the insect metamorphic transition by ecdysteroid production and secretion. *Current Opinion in Insect Science*, **2021**, 43, 11-20 | 5.1 | 19 |
| 140 | AKH Signaling in Alters Larval Development in a Nutrient-Dependent Manner That Influences Adult Metabolism. *Frontiers in Physiology*, **2021**, 12, 619219 | 4.6 | 9 |
| 139 | Coordination among multiple receptor tyrosine kinase signals controls Drosophila developmental timing and body size. *Cell Reports*, **2021**, 36, 109644 | 10.6 | 4 |
| 138 | Proliferative stem cells maintain quiescence of their niche by secreting the Activin inhibitor Follistatin. *Developmental Cell*, **2021**, 56, 2284-2294.e6 | 10.2 | 5 |
| 137 | The Role of Muscle in Insect Energy Homeostasis. *Frontiers in Physiology*, **2020**, 11, 580687 | 4.6 | 5 |
| 136 | Muscle-derived Myoglianin regulates imaginal disc growth. *ELife*, **2020**, 9, | 8.9 | 6 |
| 135 | Histone Carbonylation Is a Redox-Regulated Epigenomic Mark That Accumulates with Obesity and Aging. *Antioxidants*, **2020**, 9, | 7.1 | 6 |
| 134 | Adult Movement Defects Associated with a CORL Mutation in Display Behavioral Plasticity. *G3: Genes, Genomes, Genetics*, **2020**, 10, 1697-1706 | 3.2 | 0 |
| 133 | Engineering multiple species-like genetic incompatibilities in insects. *Nature Communications*, **2020**, 11, 4468 | 17.4 | 9 |
| 132 | Developmental Maturation: Drosophila AstA Signaling Provides a Kiss to Grow Up. *Current Biology*, **2019**, 29, R161-R164 | 6.3 | 5 |
| 131 | A Tissue- and Temporal-Specific Autophagic Switch Controls Drosophila Pre-metamorphic Nutritional Checkpoints. *Current Biology*, **2019**, 29, 2840-2851.e4 | 6.3 | 15 |
| 130 | Body Size and Tissue-Scaling Is Regulated by Motoneuron-Derived Activin-β. *Genetics*, **2019**, 213, 1447-1464 | 4 | 15 |
| 129 | Prothoracicotropic hormone modulates environmental adaptive plasticity through the control of developmental timing. *Development (Cambridge)*, **2018**, 145, | 6.6 | 35 |
| 128 | Regulation of neuroblast proliferation by surface glia in the Drosophila larval brain. *Scientific Reports*, **2018**, 8, 3730 | 4.9 | 22 |

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| 127 | The TGF-beta/Activin-like ligands Dawdle and Myoglianin appear to modulate adult lifespan through regulation of 26S proteasome function in adult muscle. *Biology Open*, **2018**, 7, | 2.2 | 9 |
| 126 | The BMP2/4 ortholog Dpp can function as an inter-organ signal that regulates developmental timing. *Life Science Alliance*, **2018**, 1, e201800216 | 5.8 | 23 |
| 125 | Lean on Me: Cell-Cell Interactions Release TGF- for Local Consumption Only. *Cell*, **2018**, 174, 18-20 | 56.2 | 1 |
| 124 | TGF- Family Signaling in. *Cold Spring Harbor Perspectives in Biology*, **2017**, 9, | 10.2 | 37 |
| 123 | Midgut-Derived Activin Regulates Glucagon-like Action in the Fat Body and Glycemic Control. *Cell Metabolism*, **2017**, 25, 386-399 | 24.6 | 74 |
| 122 | Mice lacking the chromodomain helicase DNA-binding 5 chromatin remodeler display autism-like characteristics. *Translational Psychiatry*, **2017**, 7, e1152 | 8.6 | 15 |
| 121 | Regulation of Drosophila hematopoietic sites by Activin- from active sensory neurons. *Nature Communications*, **2017**, 8, 15990 | 17.4 | 36 |
| 120 | Glue protein production can be triggered by steroid hormone signaling independent of the developmental program in Drosophila melanogaster. *Developmental Biology*, **2017**, 430, 166-176 | 3.1 | 5 |
| 119 | The Insect Prothoracic Gland as a Model for Steroid Hormone Biosynthesis and Regulation. *Cell Reports*, **2016**, 16, 247-262 | 10.6 | 53 |
| 118 | A Drosophila Genome-Wide Screen Identifies Regulators of Steroid Hormone Production and Developmental Timing. *Developmental Cell*, **2016**, 37, 558-70 | 10.2 | 55 |
| 117 | The Insulin-Like Proteins dILPs-2/5 Determine Diapause Inducibility in Drosophila. *PLoS ONE*, **2016**, 11, e0163680 | 3.7 | 42 |
| 116 | CTCF-dependent co-localization of canonical Smad signaling factors at architectural protein binding sites in D. melanogaster. *Cell Cycle*, **2015**, 14, 2677-87 | 4.7 | 18 |
| 115 | Vesicle-Mediated Steroid Hormone Secretion in Drosophila melanogaster. *Cell*, **2015**, 163, 907-19 | 56.2 | 77 |
| 114 | UPRT, a suicide-gene therapy candidate in higher eukaryotes, is required for Drosophila larval growth and normal adult lifespan. *Scientific Reports*, **2015**, 5, 13176 | 4.9 | 14 |
| 113 | Forebrain-Specific Loss of BMPRII in Mice Reduces Anxiety and Increases Object Exploration. *PLoS ONE*, **2015**, 10, e0139860 | 3.7 | 12 |
| 112 | The insulator protein CTCF regulates Drosophila steroidogenesis. *Biology Open*, **2015**, 4, 852-7 | 2.2 | 3 |
| 111 | The Drosophila Zinc Finger Transcription Factor Ouija Board Controls Ecdysteroid Biosynthesis through Specific Regulation of spookier. *PLoS Genetics*, **2015**, 11, e1005712 | 6 | 23 |
| 110 | Photoreceptor-derived activin promotes dendritic termination and restricts the receptive fields of first-order interneurons in Drosophila. *Neuron*, **2014**, 81, 830-846 | 13.9 | 58 |

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| 109 | Strategies for exploring TGF-β signaling in Drosophila. *Methods*, **2014**, 68, 183-93 | 4.6 | 37 |
| 108 | Systemic Activin signaling independently regulates sugar homeostasis, cellular metabolism, and pH balance in Drosophila melanogaster. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 5729-34 | 11.5 | 73 |
| 107 | Transcriptional control of steroid biosynthesis genes in the Drosophila prothoracic gland by ventral veins lacking and knirps. *PLoS Genetics*, **2014**, 10, e1004343 | 6 | 37 |
| 106 | Anterograde Activin signaling regulates postsynaptic membrane potential and GluRIIA/B abundance at the Drosophila neuromuscular junction. *PLoS ONE*, **2014**, 9, e107443 | 3.7 | 17 |
| 105 | Diapause: delaying the developmental clock in response to a changing environment. *Current Topics in Developmental Biology*, **2013**, 105, 213-46 | 5.3 | 31 |
| 104 | Current Topics in Developmental Biology. Developmental timing. Preface. *Current Topics in Developmental Biology*, **2013**, 105, xiii-xv | 5.3 | 1 |
| 103 | Neuroendocrine control of Drosophila larval light preference. *Science*, **2013**, 341, 1113-6 | 33.3 | 88 |
| 102 | Bone morphogenetic proteins signal via SMAD and mitogen-activated protein (MAP) kinase pathways at distinct times during osteoclastogenesis. *Journal of Biological Chemistry*, **2013**, 288, 37230-40 | 5.4 | 46 |
| 101 | Extremes of lineage plasticity in the Drosophila brain. *Current Biology*, **2013**, 23, 1908-13 | 6.3 | 35 |
| 100 | Activin receptor inhibition by Smad2 regulates Drosophila wing disc patterning through BMP-response elements. *Development (Cambridge)*, **2013**, 140, 649-59 | 6.6 | 23 |
| 99 | Ecdysone control of developmental transitions: lessons from Drosophila research. *Annual Review of Entomology*, **2013**, 58, 497-516 | 21.8 | 373 |
| 98 | Developmental checkpoints and feedback circuits time insect maturation. *Current Topics in Developmental Biology*, **2013**, 103, 1-33 | 5.3 | 82 |
| 97 | Dynamic feedback circuits function as a switch for shaping a maturation-inducing steroid pulse in Drosophila. *Development (Cambridge)*, **2013**, 140, 4730-9 | 6.6 | 54 |
| 96 | Tolloid (Drosophila) **2013**, 932-936 | | |
| 95 | R-Smad competition controls activin receptor output in Drosophila. *PLoS ONE*, **2012**, 7, e36548 | 3.7 | 27 |
| 94 | You're going to need a bigger (glass bottom) boat. *Science Signaling*, **2012**, 5, pe14 | 8.8 | 0 |
| 93 | Diet and energy-sensing inputs affect TorC1-mediated axon misrouting but not TorC2-directed synapse growth in a Drosophila model of tuberous sclerosis. *PLoS ONE*, **2012**, 7, e30722 | 3.7 | 15 |
| 92 | Glia instruct developmental neuronal remodeling through TGF-β signaling. *Nature Neuroscience*, **2011**, 14, 821-3 | 25.5 | 92 |

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| 91 | Shaping BMP morphogen gradients through enzyme-substrate interactions. *Developmental Cell*, **2011**, 21, 375-83 | 10.2 | 31 |
| 90 | Glycosylation of Twisted Gastrulation is Required for BMP Binding and Activity during Craniofacial Development. *Frontiers in Physiology*, **2011**, 2, 59 | 4.6 | 8 |
| 89 | Timing is Everything: PTTH Mediated DHR4 Nucleocytoplasmic Trafficking Sets the Tempo of Drosophila Steroid Production. *Frontiers in Endocrinology*, **2011**, 2, 108 | 5.7 | 12 |
| 88 | Apiology: royal secrets in the queen‟s fat body. *Current Biology*, **2011**, 21, R510-2 | 6.3 | 1 |
| 87 | Nitric oxide directly regulates gene expression during Drosophila development: need some gas to drive into metamorphosis?. *Genes and Development*, **2011**, 25, 1459-63 | 12.6 | 16 |
| 86 | Neuroendocrine regulation of Drosophila metamorphosis requires TGFbeta/Activin signaling. *Development (Cambridge)*, **2011**, 138, 2693-703 | 6.6 | 134 |
| 85 | Involvement of twisted gastrulation in T cell-independent plasma cell production. *Journal of Immunology*, **2011**, 186, 6860-70 | 5.3 | 13 |
| 84 | Organism-scale modeling of early Drosophila patterning via bone morphogenetic proteins. *Developmental Cell*, **2010**, 18, 260-74 | 10.2 | 74 |
| 83 | Steroid hormone inactivation is required during the juvenile-adult transition in Drosophila. *Developmental Cell*, **2010**, 19, 895-902 | 10.2 | 69 |
| 82 | The expression of twisted gastrulation in postnatal mouse brain and functional implications. *Neuroscience*, **2010**, 169, 920-31 | 3.9 | 15 |
| 81 | The Drosophila gap gene giant regulates ecdysone production through specification of the PTTH-producing neurons. *Developmental Biology*, **2010**, 347, 271-8 | 3.1 | 17 |
| 80 | Canonical TGF-beta signaling is required for the balance of excitatory/inhibitory transmission within the hippocampus and prepulse inhibition of acoustic startle. *Journal of Neuroscience*, **2010**, 30, 6025-35 | 6.6 | 40 |
| 79 | Hippocampus specific iron deficiency alters competition and cooperation between developing memory systems. *Journal of Neurodevelopmental Disorders*, **2010**, 2, 133-43 | 4.6 | 37 |
| 78 | Iron is essential for neuron development and memory function in mouse hippocampus. *Journal of Nutrition*, **2009**, 139, 672-9 | 4.1 | 129 |
| 77 | Nemo kinase interacts with Mad to coordinate synaptic growth at the Drosophila neuromuscular junction. *Journal of Cell Biology*, **2009**, 185, 713-25 | 7.3 | 30 |
| 76 | The extracellular regulation of bone morphogenetic protein signaling. *Development (Cambridge)*, **2009**, 136, 3715-28 | 6.6 | 159 |
| 75 | The insect neuropeptide PTTH activates receptor tyrosine kinase torso to initiate metamorphosis. *Science*, **2009**, 326, 1403-5 | 33.3 | 242 |
| 74 | A fat body-derived IGF-like peptide regulates postfeeding growth in Drosophila. *Developmental Cell* , **2009**, 17, 885-91 | 10.2 | 196 |

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| 73 | A phosphoproteomics approach to elucidate neuropeptide signal transduction controlling insect metamorphosis. *Insect Biochemistry and Molecular Biology*, **2009**, 39, 475-83 | 4.5 | 68 |
| 72 | Studies on the Black Box: incorporation of 3-oxo-7-dehydrocholesterol into ecdysteroids by Drosophila melanogaster and Manduca sexta. *Insect Biochemistry and Molecular Biology*, **2009**, 39, 677-87 | 4.5 | 29 |
| 71 | The Drosophila Activin-like ligand Dawdle signals preferentially through one isoform of the Type-I receptor Baboon. *Mechanisms of Development*, **2009**, 126, 950-7 | 1.7 | 30 |
| 70 | The BMP-binding protein Crossveinless 2 is a short-range, concentration-dependent, biphasic modulator of BMP signaling in Drosophila. *Developmental Cell*, **2008**, 14, 940-53 | 10.2 | 131 |
| 69 | Robustness of embryonic spatial patterning in Drosophila melanogaster. *Current Topics in Developmental Biology*, **2008**, 81, 65-111 | 5.3 | 39 |
| 68 | Drosophila histone deacetylase-3 controls imaginal disc size through suppression of apoptosis. *PLoS Genetics*, **2008**, 4, e1000009 | 6 | 19 |
| 67 | Drosophila Activin- and the Activin-like product Dawdle function redundantly to regulate proliferation in the larval brain. *Development (Cambridge)*, **2008**, 135, 513-21 | 6.6 | 58 |
| 66 | Mechanisms of TSC-mediated control of synapse assembly and axon guidance. *PLoS ONE*, **2007**, 2, e375 | 3.7 | 44 |
| 65 | Presynaptic contributions of chordin to hippocampal plasticity and spatial learning. *Journal of Neuroscience*, **2007**, 27, 7740-50 | 6.6 | 47 |
| 64 | Tiling of r7 axons in the Drosophila visual system is mediated both by transduction of an activin signal to the nucleus and by mutual repulsion. *Neuron*, **2007**, 56, 793-806 | 13.9 | 77 |
| 63 | Prothoracicotropic hormone regulates developmental timing and body size in Drosophila. *Developmental Cell*, **2007**, 13, 857-71 | 10.2 | 324 |
| 62 | Molecular evolution of the insect Halloween family of cytochrome P450s: phylogeny, gene organization and functional conservation. *Insect Biochemistry and Molecular Biology*, **2007**, 37, 741-53 | 4.5 | 157 |
| 61 | Discrete pulses of molting hormone, 20-hydroxyecdysone, during late larval development of Drosophila melanogaster: correlations with changes in gene activity. *Developmental Dynamics*, **2006** , 235, 315-26 | 2.9 | 136 |
| 60 | dSno facilitates baboon signaling in the Drosophila brain by switching the affinity of Medea away from Mad and toward dSmad2. *Genetics*, **2006**, 174, 1299-313 | 4 | 33 |
| 59 | Shaping BMP morphogen gradients in the Drosophila embryo and pupal wing. *Development (Cambridge)*, **2006**, 133, 183-93 | 6.6 | 224 |
| 58 | The metalloprotease tolloid-related and its TGF-beta-like substrate Dawdle regulate Drosophila motoneuron axon guidance. *Development (Cambridge)*, **2006**, 133, 4969-79 | 6.6 | 64 |
| 57 | The TGF beta activated kinase TAK1 regulates vascular development in vivo. *Development (Cambridge)*, **2006**, 133, 1529-41 | 6.6 | 111 |
| 56 | Robust, bistable patterning of the dorsal surface of the Drosophila embryo. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11613-8 | 11.5 | 101 |

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| 55 | Spook and Spookier code for stage-specific components of the ecdysone biosynthetic pathway in Diptera. *Developmental Biology*, **2006**, 298, 555-70 | 3.1 | 232 |
| 54 | Facilitated transport of a Dpp/Scw heterodimer by Sog/Tsg leads to robust patterning of the Drosophila blastoderm embryo. *Cell*, **2005**, 120, 873-86 | 56.2 | 242 |
| 53 | Twisted gastrulation and chordin inhibit differentiation and mineralization in MC3T3-E1 osteoblast-like cells. *Bone*, **2005**, 36, 617-26 | 4.7 | 30 |
| 52 | A role for betaFTZ-F1 in regulating ecdysteroid titers during post-embryonic development in Drosophila melanogaster. *Developmental Biology*, **2005**, 282, 84-94 | 3.1 | 109 |
| 51 | 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 Drosophila wing. *Developmental Biology*, **2005**, 282, 70-83 | 3.1 | 73 |
| 50 | Fetal iron deficiency disrupts the maturation of synaptic function and efficacy in area CA1 of the developing rat hippocampus. *Hippocampus*, **2005**, 15, 1094-102 | 3.5 | 122 |
| 49 | Wing-to-Leg homeosis by spineless causes apoptosis regulated by Fish-lips, a novel leucine-rich repeat transmembrane protein. *Molecular and Cellular Biology*, **2005**, 25, 3140-50 | 4.8 | 21 |
| 48 | DNA-binding domain mutations in SMAD genes yield dominant-negative proteins or a neomorphic protein that can activate WG target genes in Drosophila. *Development (Cambridge)*, **2005**, 132, 4883-94 | 6.6 | 22 |
| 47 | Matching catalytic activity to developmental function: tolloid-related processes Sog in order to help specify the posterior crossvein in the Drosophila wing. *Development (Cambridge)*, **2005**, 132, 2645-56 | 6.6 | 49 |
| 46 | Mechanisms for removal of developmentally abnormal cells: cell competition and morphogenetic apoptosis. *Journal of Biochemistry*, **2004**, 136, 13-7 | 3.1 | 41 |
| 45 | Axonal heparan sulfate proteoglycans regulate the distribution and efficiency of the repellent slit during midline axon guidance. *Current Biology*, **2004**, 14, 499-504 | 6.3 | 172 |
| 44 | The mammalian twisted gastrulation gene functions in foregut and craniofacial development. *Developmental Biology*, **2004**, 267, 374-86 | 3.1 | 95 |
| 43 | Phantom encodes the 25-hydroxylase of Drosophila melanogaster and Bombyx mori: a P450 enzyme critical in ecdysone biosynthesis. *Insect Biochemistry and Molecular Biology*, **2004**, 34, 991-1010 | 4.5 | 216 |
| 42 | Highwire regulates presynaptic BMP signaling essential for synaptic growth. *Neuron*, **2004**, 41, 891-905 | 13.9 | 182 |
| 41 | Tolloid (Drosophila) **2004**, 617-620 | | |
| 40 | Shade is the Drosophila P450 enzyme that mediates the hydroxylation of ecdysone to the steroid insect molting hormone 20-hydroxyecdysone. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 13773-8 | 11.5 | 322 |
| 39 | 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 Drosophila embryo. *Development (Cambridge)*, **2003**, 130, 4673-82 | 6.6 | 89 |
| 38 | Expression of TAK1, a mediator of TGF-beta and BMP signaling, during mouse embryonic development. *Gene Expression Patterns*, **2003**, 3, 131-4 | 1.5 | 30 |

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| 37 | TGF-beta signaling activates steroid hormone receptor expression during neuronal remodeling in the Drosophila brain. *Cell*, **2003**, 112, 303-15 | 56.2 | 189 |
| 36 | The BMP homolog Gbb provides a retrograde signal that regulates synaptic growth at the Drosophila neuromuscular junction. *Neuron*, **2003**, 39, 241-54 | 13.9 | 318 |
| 35 | Retrograde Gbb signaling through the Bmp type 2 receptor wishful thinking regulates systemic FMRFa expression in Drosophila. *Development (Cambridge)*, **2003**, 130, 5457-70 | 6.6 | 76 |
| 34 | Molecular and biochemical characterization of two P450 enzymes in the ecdysteroidogenic pathway of Drosophila melanogaster. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 11043-8 | 11.5 | 267 |
| 33 | Morphogenetic apoptosis: a mechanism for correcting discontinuities in morphogen gradients. *Developmental Biology*, **2002**, 251, 74-90 | 3.1 | 120 |
| 32 | Histone methyltransferase activity of a Drosophila Polycomb group repressor complex. *Cell*, **2002**, 111, 197-208 | 56.2 | 1240 |
| 31 | The Drosophila BMP type II receptor Wishful Thinking regulates neuromuscular synapse morphology and function. *Neuron*, **2002**, 33, 529-43 | 13.9 | 258 |
| 30 | Isolation of Drosophila activin and follistatin cDNAs using novel MACH amplification protocols. *Gene*, **2002**, 291, 85-93 | 3.8 | 15 |
| 29 | Twisted gastrulation is a conserved extracellular BMP antagonist. *Nature*, **2001**, 410, 479-83 | 50.4 | 243 |
| 28 | TAK1 participates in c-Jun N-terminal kinase signaling during Drosophila development. *Molecular and Cellular Biology*, **2000**, 20, 3015-26 | 4.8 | 104 |
| 27 | Functional analysis of repressor binding sites in the iab-2 regulatory region of the abdominal-A homeotic gene. *Developmental Biology*, **2000**, 218, 38-52 | 3.1 | 75 |
| 26 | Is chordin a long-range- or short-range-acting factor? Roles for BMP1-related metalloproteases in chordin and BMP4 autofeedback loop regulation. *Developmental Biology*, **2000**, 223, 120-38 | 3.1 | 57 |
| 25 | The Drosophila activin receptor baboon signals through dSmad2 and controls cell proliferation but not patterning during larval development. *Genes and Development*, **1999**, 13, 98-111 | 12.6 | 149 |
| 24 | Production of a DPP activity gradient in the early Drosophila embryo through the opposing actions of the SOG and TLD proteins. *Cell*, **1997**, 91, 417-26 | 56.2 | 370 |
| 23 | BMP signaling in Drosophila embryogenesis. *Annals of the New York Academy of Sciences*, **1996**, 785, 80-9 | 6.5 | 10 |
| 22 | The Xenopus dorsalizing factor noggin ventralizes Drosophila embryos by preventing DPP from activating its receptor. *Cell*, **1996**, 86, 607-17 | 56.2 | 215 |
| 21 | MADR1, a MAD-related protein that functions in BMP2 signaling pathways. *Cell*, **1996**, 85, 489-500 | 56.2 | 655 |
| 20 | Drosophila Dpp signaling is mediated by the punt gene product: a dual ligand-binding type II receptor of the TGF beta receptor family. *Cell*, **1995**, 80, 899-908 | 56.2 | 242 |

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| 19 | The Drosophila schnurri gene acts in the Dpp/TGF beta signaling pathway and encodes a transcription factor homologous to the human MBP family. *Cell*, **1995**, 81, 781-90 | 56.2 | 192 |
| 18 | The screw gene encodes a ubiquitously expressed member of the TGF-beta family required for specification of dorsal cell fates in the Drosophila embryo. *Genes and Development*, **1994**, 8, 2588-601 | 12.6 | 173 |
| 17 | Enhancer point mutation results in a homeotic transformation in Drosophila. *Science*, **1994**, 264, 968-71 | 33.3 | 77 |
| 16 | Characterization and relationship of Dpp receptors encoded by the saxophone and thick veins genes in Drosophila. *Cell*, **1994**, 78, 251-61 | 56.2 | 278 |
| 15 | Two domains of the tolloid protein contribute to its unusual genetic interaction with decapentaplegic. *Developmental Biology*, **1994**, 162, 209-20 | 3.1 | 63 |
| 14 | Characterization of tolloid-related-1: a BMP-1-like product that is required during larval and pupal stages of Drosophila development. *Developmental Biology*, **1994**, 166, 569-86 | 3.1 | 67 |
| 13 | Two distinct transmembrane serine/threonine kinases from Drosophila melanogaster form an activin receptor complex. *Molecular and Cellular Biology*, **1994**, 14, 944-950 | 4.8 | 33 |
| 12 | Elements of the Drosophila bithorax complex that mediate repression by Polycomb group products. *Developmental Biology*, **1993**, 158, 131-44 | 3.1 | 257 |
| 11 | Identification of a Drosophila activin receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 9475-9 | 11.5 | 99 |
| 10 | The Drosophila dorsal-ventral patterning gene tolloid is related to human bone morphogenetic protein 1. *Cell*, **1991**, 67, 469-81 | 56.2 | 285 |
| 9 | Site-specific and illegitimate recombination in the oriV1 region of the F factor. DNA sequences involved in recombination and resolution. *Journal of Molecular Biology*, **1986**, 189, 85-102 | 6.5 | 22 |
| 8 | Mapping of DNA gyrase cleavage sites in vivo oxolinic acid induced cleavages in plasmid pBR322. *Journal of Molecular Biology*, **1985**, 181, 545-50 | 6.5 | 34 |
| 7 | 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. *Journal of Molecular Biology*, **1985**, 181, 551-5 | 6.5 | 9 |
| 6 | Role of the F factor oriV1 region in recA-independent illegitimate recombination. Stable replicon fusions of the F derivative pOX38 and pBR322-related plasmids. *Journal of Molecular Biology*, **1984**, 175, 263-84 | 6.5 | 42 |
| 5 | Site-specific recombination in the oriV1 region of the F factor. *Cold Spring Harbor Symposia on Quantitative Biology*, **1984**, 49, 421-34 | 3.9 | 6 |
| 4 | A new insertion sequence, IS121, is found on the Mu dI1 (Ap lac) bacteriophage and the Escherichia coli K-12 chromosome. *Journal of Bacteriology*, **1983**, 156, 669-79 | 3.5 | 36 |
| 3 | Mapping a cloned gene under sporulation control by inserttion of a drug resistance marker into the Bacillus subtilis chromosome. *Journal of Bacteriology*, **1980**, 142, 90-8 | 3.5 | 116 |
| 2 | Drosophila Activin signaling promotes muscle growth through InR/dTORC1 dependent and independent processes | | 2 |

Motoneuron-derived Activin regulates Drosophila body size and tissue-scaling during larval growth and adult development