Stephen Michael Cohen

List of Publications by Year in Descending Order

154 papers	21,387 citations	66 h-index	146 g-index
157 ext. papers	23,122 ext. citations	15.6 avg, IF	6.99 L-index

#	Paper	IF	Citations
154	Genome-Wide Screen for Context-Dependent Tumor Suppressors Identified Using in Vivo Models for Neoplasia in. *G3: Genes, Genomes, Genetics*, **2020**, 10, 2999-3008	3.2	2
153	Promoter Proximal Pausing Limits Tumorous Growth Induced by the Yki Transcription Factor in. *Genetics*, **2020**, 216, 67-77	4	1
152	suppresses growth and tumor formation in. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 14055-14064	11.5	2
151	Pgc suppresses the zygotically acting RNA decay pathway to protect germ plasm RNAs in the embryo. *Development (Cambridge)*, **2019**, 146,	6.6	5
150	Identification and characterization of novel conserved RNA structures in Drosophila. *BMC Genomics*, **2018**, 19, 899	4.5	3
149	Metabolic control of PPAR activity by aldehyde dehydrogenase regulates invasive cell behavior and predicts survival in hepatocellular and renal clear cell carcinoma. *BMC Cancer*, **2018**, 18, 1180	4.8	11
148	Warburg Effect Metabolism Drives Neoplasia in a Drosophila Genetic Model of Epithelial Cancer. *Current Biology*, **2018**, 28, 3220-3228.e6	6.3	25
147	mutants reveal continuous glial homeostasis in the adult brain. *EMBO Journal*, **2017**, 36, 1215-1226	13	14
146	Drosophila as a Model to Study the Link between Metabolism and Cancer. *Journal of Developmental Biology*, **2017**, 5,	3.5	15
145	The chromatin remodeling BAP complex limits tumor-promoting activity of the Hippo pathway effector Yki to prevent neoplastic transformation in epithelia. *DMM Disease Models and Mechanisms* , **2017**, 10, 1201-1209	4.1	10
144	DUB3 Deubiquitylating Enzymes Regulate Hippo Pathway Activity by Regulating the Stability of ITCH, LATS and AMOT Proteins. *PLoS ONE*, **2017**, 12, e0169587	3.7	17
143	USP21 regulates Hippo pathway activity by mediating MARK protein turnover. *Oncotarget*, **2017**, 8, 64095-64105	5.3	15
142	Deubiquitylating enzyme USP9x regulates hippo pathway activity by controlling angiomotin protein turnover. *Cell Discovery*, **2016**, 2, 16001	22.3	26
141	Cell Competition Drives the Formation of Metastatic Tumors in a Drosophila Model of Epithelial Tumor Formation. *Current Biology*, **2016**, 26, 419-27	6.3	72
140	A conformation-induced fluorescence method for microRNA detection. *Nucleic Acids Research*, **2016**, 44, e92	20.1	34
139	Cancer in Drosophila: Imaginal Discs as a Model for Epithelial Tumor Formation. *Current Topics in Developmental Biology*, **2016**, 116, 181-99	5.3	37
138	Regulation of pattern formation and gene amplification during Drosophila oogenesis by the miR-318 microRNA. *Genetics*, **2015**, 200, 255-65	4	15

137	Control of Drosophila Type I and Type II central brain neuroblast proliferation by bantam microRNA. *Development (Cambridge)*, **2015**, 142, 3713-20	6.6	18
136	Feedback regulation on PTEN/AKT pathway by the ER stress kinase PERK mediated by interaction with the Vault complex. *Cellular Signalling*, **2015**, 27, 436-42	4.9	26
135	A neuroprotective role for microRNA miR-1000 mediated by limiting glutamate excitotoxicity. *Nature Neuroscience*, **2015**, 18, 379-85	25.5	48
134	miR-965 controls cell proliferation and migration during tissue morphogenesis in the Drosophila abdomen. *ELife*, **2015**, 4,	8.9	19
133	Everything old is new again: (linc)RNAs make proteins!. *EMBO Journal*, **2014**, 33, 937-8	13	32
132	miRNAs and aging: a genetic perspective. *Ageing Research Reviews*, **2014**, 17, 3-8	12	28
131	Coordination of insulin and Notch pathway activities by microRNA miR-305 mediates adaptive homeostasis in the intestinal stem cells of the Drosophila gut. *Genes and Development*, **2014**, 28, 2421-31	12.6	43
130	Opposing activities of the Ras and Hippo pathways converge on regulation of YAP protein turnover. *EMBO Journal*, **2014**, 33, 2447-57	13	80
129	Crosstalk between epithelial and mesenchymal tissues in tumorigenesis and imaginal disc development. *Current Biology*, **2014**, 24, 1476-84	6.3	32
128	Viral small T oncoproteins transform cells by alleviating hippo-pathway-mediated inhibition of the YAP proto-oncogene. *Cell Reports*, **2014**, 8, 707-13	10.6	28
127	Systematic study of Drosophila microRNA functions using a collection of targeted knockout mutations. *Developmental Cell*, **2014**, 31, 784-800	10.2	95
126	The Hippo pathway acts via p53 and microRNAs to control proliferation and proapoptotic gene expression during tissue growth. *Biology Open*, **2013**, 2, 822-8	2.2	39
125	Maternal loss of miRNAs leads to increased variance in primordial germ cell numbers in Drosophila melanogaster. *G3: Genes, Genomes, Genetics*, **2013**, 3, 1573-6	3.2	22
124	ER stress potentiates insulin resistance through PERK-mediated FOXO phosphorylation. *Genes and Development*, **2013**, 27, 441-9	12.6	99
123	miR-124 controls male reproductive success in Drosophila. *ELife*, **2013**, 2, e00640	8.9	31
122	miR-989 is required for border cell migration in the Drosophila ovary. *PLoS ONE*, **2013**, 8, e67075	3.7	19
121	Mutual repression by bantam miRNA and Capicua links the EGFR/MAPK and Hippo pathways in growth control. *Current Biology*, **2012**, 22, 651-7	6.3	71
120	The oscillating miRNA 959-964 cluster impacts Drosophila feeding time and other circadian outputs. *Cell Metabolism*, **2012**, 16, 601-12	24.6	45

119	Drosophila miR-124 regulates neuroblast proliferation through its target anachronism. *Development (Cambridge)*, **2012**, 139, 1427-34	6.6	56
118	Oncogenic cooperation between SOCS family proteins and EGFR identified using a Drosophila epithelial transformation model. *Genes and Development*, **2012**, 26, 1602-11	12.6	64
117	Time is of the essence: microRNAs and age-associated neurodegeneration. *Cell Research*, **2012**, 22, 1218-20	2.7	12
116	MicroRNA transgene overexpression complements deficiency-based modifier screens in Drosophila. *Genetics*, **2012**, 190, 617-26	4	28
115	Notch-mediated repression of bantam miRNA contributes to boundary formation in the Drosophila wing. *Development (Cambridge)*, **2011**, 138, 3781-9	6.6	66
114	MAPK/ERK signaling regulates insulin sensitivity to control glucose metabolism in Drosophila. *PLoS Genetics*, **2011**, 7, e1002429	6	85
113	Protocols for use of homologous recombination gene targeting to produce microRNA mutants in Drosophila. *Methods in Molecular Biology*, **2011**, 732, 99-120	1.4	15
112	The miRNA machinery targets Mei-P26 and regulates Myc protein levels in the Drosophila wing. *EMBO Journal*, **2010**, 29, 1688-98	13	39
111	MicroRNAs and gene regulatory networks: managing the impact of noise in biological systems. *Genes and Development*, **2010**, 24, 1339-44	12.6	295
110	Drosophila microRNAs 263a/b confer robustness during development by protecting nascent sense organs from apoptosis. *PLoS Biology*, **2010**, 8, e1000396	9.7	81
109	MAP4K3 regulates body size and metabolism in Drosophila. *Developmental Biology*, **2010**, 344, 150-7	3.1	49
108	Drosophila miR-14 regulates insulin production and metabolism through its target, sugarbabe. *Genes and Development*, **2010**, 24, 2748-53	12.6	97
107	Rescue of Drosophila Melanogaster l(2)35Aa lethality is only mediated by polypeptide GalNAc-transferase pgant35A, but not by the evolutionary conserved human ortholog GalNAc-transferase-T11. *Glycoconjugate Journal*, **2010**, 27, 435-44	3	11
106	Notch signaling: filopodia dynamics confer robustness. *Current Biology*, **2010**, 20, R802-4	6.3	8
105	microRNAs in CNS Development and Neurodegeneration: Insights from Drosophila Genetics. *Research and Perspectives in Neurosciences*, **2010**, 69-77		1
104	Immunopurification of Ago1 miRNPs selects for a distinct class of microRNA targets. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 15085-90	11.5	42
103	Glycosphingolipids control the extracellular gradient of the Drosophila EGFR ligand Gurken. *Development (Cambridge)*, **2009**, 136, 551-61	6.6	21
102	Drosophila Minus is required for cell proliferation and influences Cyclin E turnover. *Genes and Development*, **2009**, 23, 1998-2003	12.6	12

101	Recombinase-mediated cassette exchange provides a versatile platform for gene targeting: knockout of miR-31b. *Genetics*, **2009**, 183, 399-402	4	29
100	Use of microRNA sponges to explore tissue-specific microRNA functions in vivo. *Nature Methods*, **2009**, 6, 873-4	21.6	27
99	Regulation of tissue growth through nutrient sensing. *Annual Review of Genetics*, **2009**, 43, 389-410	14.5	219
98	Mei-P26 regulates microRNAs and cell growth in the Drosophila ovarian stem cell lineage. *Nature*, **2008**, 454, 241-5	50.4	180
97	TOR complex 2 is needed for cell cycle progression and anchorage-independent growth of MCF7 and PC3 tumor cells. *BMC Cancer*, **2008**, 8, 282	4.8	49
96	MicroRNAs in neurodegeneration. *Current Opinion in Neurobiology*, **2008**, 18, 292-6	7.6	107
95	Temporal reciprocity of miRNAs and their targets during the maternal-to-zygotic transition in Drosophila. *Current Biology*, **2008**, 18, 501-6	6.3	200
94	Nutritional control of protein biosynthetic capacity by insulin via Myc in Drosophila. *Cell Metabolism* , **2008**, 7, 21-32	24.6	198
93	TORCing up metabolic control in the brain. *Cell Metabolism*, **2008**, 7, 357-8	24.6	7
92	A single Hox locus in Drosophila produces functional microRNAs from opposite DNA strands. *Genes and Development*, **2008**, 22, 8-13	12.6	188
91	Isolation of microRNA targets by miRNP immunopurification. *Rna*, **2007**, 13, 1198-204	5.8	249
90	Identification of novel Drosophila melanogaster microRNAs. *PLoS ONE*, **2007**, 2, e1265	3.7	22
89	microRNA functions. *Annual Review of Cell and Developmental Biology*, **2007**, 23, 175-205	12.6	2234
88	microRNA miR-14 acts to modulate a positive autoregulatory loop controlling steroid hormone signaling in Drosophila. *Genes and Development*, **2007**, 21, 2277-82	12.6	143
87	On the mechanism of wing size determination in fly development. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 3835-40	11.5	282
86	Re-evaluating AKT regulation: role of TOR complex 2 in tissue growth. *Genes and Development*, **2007**, 21, 632-7	12.6	109
85	Glycosphingolipids with extended sugar chain have specialized functions in development and behavior of Drosophila. *Developmental Biology*, **2007**, 306, 736-49	3.1	34
84	The conserved microRNA miR-8 tunes atrophin levels to prevent neurodegeneration in Drosophila. *Cell*, **2007**, 131, 136-45	56.2	220

83	Genome-wide analysis of mRNAs regulated by Drosha and Argonaute proteins in Drosophila melanogaster. *Molecular and Cellular Biology*, **2006**, 26, 2965-75	4.8	119
82	Denoising feedback loops by thresholding--a new role for microRNAs. *Genes and Development*, **2006**, 20, 2769-72	12.6	78
81	Drosophila lacking microRNA miR-278 are defective in energy homeostasis. *Genes and Development* , **2006**, 20, 417-22	12.6	186
80	Developmental biology. Mixed messages in early development. *Science*, **2006**, 312, 65-6	33.3	10
79	The Hippo pathway regulates the bantam microRNA to control cell proliferation and apoptosis in Drosophila. *Cell*, **2006**, 126, 767-74	56.2	330
78	On the role of glypicans in the process of morphogen gradient formation. *Developmental Biology*, **2006**, 300, 512-22	3.1	50
77	Structural insights into the Notch-modifying glycosyltransferase Fringe. *Nature Structural and Molecular Biology*, **2006**, 13, 945-6	17.6	31
76	The growth regulators warts/lats and melted interact in a bistable loop to specify opposite fates in Drosophila R8 photoreceptors. *Cell*, **2005**, 122, 775-87	56.2	146
75	Animal MicroRNAs confer robustness to gene expression and have a significant impact on 3'UTR evolution. *Cell*, **2005**, 123, 1133-46	56.2	890
74	Drosophila Melted modulates FOXO and TOR activity. *Developmental Cell*, **2005**, 9, 271-81	10.2	98
73	Tumor suppressor properties of the ESCRT-II complex component Vps25 in Drosophila. *Developmental Cell*, **2005**, 9, 711-20	10.2	278
72	molting defective is required for ecdysone biosynthesis. *Developmental Biology*, **2005**, 280, 362-72	3.1	49
71	Ligand-binding and signaling properties of the Ax[M1] form of Notch. *Mechanisms of Development*, **2005**, 122, 479-86	1.7	13
70	Boundary formation in the Drosophila wing: functional dissection of Capricious and Tartan. *Developmental Dynamics*, **2005**, 233, 804-10	2.9	28
69	Principles of microRNA-target recognition. *PLoS Biology*, **2005**, 3, e85	9.7	1746
68	Gain-of-function screen for genes that affect Drosophila muscle pattern formation. *PLoS Genetics*, **2005**, 1, e55	6	39
67	Not miR-ly muscular: microRNAs and muscle development. *Genes and Development*, **2005**, 19, 2261-4	12.6	30
66	Egghead and brainiac are essential for glycosphingolipid biosynthesis in vivo. *Journal of Biological Chemistry*, **2005**, 280, 4858-63	5.4	50

65	A genetic screen in Drosophila for identifying novel components of the hedgehog signaling pathway. *Genetics*, **2005**, 170, 173-84	4	29
64	4E-BP functions as a metabolic brake used under stress conditions but not during normal growth. *Genes and Development*, **2005**, 19, 1844-8	12.6	192
63	Proximodistal subdivision of Drosophila legs and wings: the elbow-no ocelli gene complex. *Development (Cambridge)*, **2004**, 131, 767-74	6.6	28
62	Slik Sterile-20 kinase regulates Moesin activity to promote epithelial integrity during tissue growth. *Genes and Development*, **2004**, 18, 2243-8	12.6	71
61	Connecting proliferation and apoptosis in development and disease. *Nature Reviews Molecular Cell Biology*, **2004**, 5, 805-15	48.7	158
60	Osa modulates the expression of Apterous target genes in the Drosophila wing. *Mechanisms of Development*, **2004**, 121, 491-7	1.7	13
59	Opposing activities of Dally-like glypican at high and low levels of Wingless morphogen activity. *Developmental Cell*, **2004**, 7, 503-12	10.2	182
58	Spatial and temporal regulation of the homeotic selector gene Antennapedia is required for the establishment of leg identity in Drosophila. *Developmental Biology*, **2004**, 267, 462-72	3.1	31
57	Drosophila egghead encodes a beta 1,4-mannosyltransferase predicted to form the immediate precursor glycosphingolipid substrate for brainiac. *Journal of Biological Chemistry*, **2003**, 278, 1411-4	5.4	51
56	The Drosophila sterile-20 kinase slik controls cell proliferation and apoptosis during imaginal disc development. *PLoS Biology*, **2003**, 1, E35	9.7	33
55	Identification of Drosophila MicroRNA targets. *PLoS Biology*, **2003**, 1, E60	9.7	591
54	A re-evaluation of the contributions of Apterous and Notch to the dorsoventral lineage restriction boundary in the Drosophila wing. *Development (Cambridge)*, **2003**, 130, 553-62	6.6	36
53	bantam encodes a developmentally regulated microRNA that controls cell proliferation and regulates the proapoptotic gene hid in Drosophila. *Cell*, **2003**, 113, 25-36	56.2	1696
52	The secret life of Smoothened. *Developmental Cell*, **2003**, 5, 823-4	10.2	1
51	Towards a complete description of the microRNA complement of animal genomes. *Genome Biology*, **2003**, 4, 228	18.3	60
50	Wingless and Notch signaling provide cell survival cues and control cell proliferation during wing development. *Development (Cambridge)*, **2003**, 130, 6533-43	6.6	114
49	Distal antenna and distal antenna related encode nuclear proteins containing pipsqueak motifs involved in antenna development in Drosophila. *Development (Cambridge)*, **2003**, 130, 1171-80	6.6	63
48	The Drosophila gene brainiac encodes a glycosyltransferase putatively involved in glycosphingolipid synthesis. *Journal of Biological Chemistry*, **2002**, 277, 32421-9	5.4	53

47	A naturally occurring alternative product of the mastermind locus that represses notch signalling. *Mechanisms of Development*, **2002**, 115, 101-5	1.7	15
46	Drosophila's insulin/PI3-kinase pathway coordinates cellular metabolism with nutritional conditions. *Developmental Cell*, **2002**, 2, 239-49	10.2	526
45	Short-range cell interactions and cell survival in the Drosophila wing. *Developmental Cell*, **2002**, 2, 797-805	10.2	77
44	HSPG modification by the secreted enzyme Notum shapes the Wingless morphogen gradient. *Developmental Cell*, **2002**, 2, 667-76	10.2	207
43	Limb development: getting down to the ground state. *Current Biology*, **2001**, 11, R1025-7	6.3	9
42	Shaping morphogen gradients. *Cell*, **2001**, 105, 559-62	56.2	146
41	The LRR proteins capricious and Tartan mediate cell interactions during DV boundary formation in the Drosophila wing. *Cell*, **2001**, 106, 785-94	56.2	105
40	msh specifies dorsal cell fate in the Drosophila wing. *Development (Cambridge)*, **2001**, 128, 3263-3268	6.6	13
39	Regulation of Apterous activity inDrosophilawing development. *Development (Cambridge)*, **2001**, 128, 4615-4622	6.6	35
38	Glycosyltransferase activity of Fringe modulates Notch-Delta interactions. *Nature*, **2000**, 406, 411-5	50.4	601
37	Wingless gradient formation in the Drosophila wing. *Current Biology*, **2000**, 10, 293-300	6.3	361
36	Subdividing cell populations in the developing limbs of Drosophila: do wing veins and leg segments define units of growth control?. *Developmental Biology*, **2000**, 217, 1-9	3.1	20
35	Hedgehog induces opposite changes in turnover and subcellular localization of patched and smoothened. *Cell*, **2000**, 102, 521-31	56.2	435
34	Dpp gradient formation in the Drosophila wing imaginal disc. *Cell*, **2000**, 103, 971-80	56.2	379
33	Proximal distal axis formation in the Drosophila leg: distinct functions of teashirt and homothorax in the proximal leg. *Mechanisms of Development*, **2000**, 94, 47-56	1.7	70
32	New growth factors for imaginal discs. *BioEssays*, **1999**, 21, 718-20	4.1	16
31	Notch signaling is not sufficient to define the affinity boundary between dorsal and ventral compartments. *Molecular Cell*, **1999**, 4, 1073-8	17.6	31
30	Regulation of LIM homeodomain activity in vivo: a tetramer of dLDB and apterous confers activity and capacity for regulation by dLMO. *Molecular Cell*, **1999**, 4, 267-73	17.6	101

29	Formation of morphogen gradients in the Drosophila wing. *Seminars in Cell and Developmental Biology*, **1999**, 10, 335-44	7.5	94
28	Boundary formation in Drosophila wing: Notch activity attenuated by the POU protein Nubbin. *Science*, **1998**, 281, 409-13	33.3	57
27	Morphogens and pattern formation. *BioEssays*, **1997**, 19, 721-9	4.1	169
26	Evolutionary origin of insect wings from ancestral gills. *Nature*, **1997**, 385, 627-30	50.4	184
25	Proximal-distal axis formation in the Drosophila leg. *Nature*, **1997**, 388, 139-45	50.4	315
24	Wnt signal transduction: more than one wat to skin a (beta-)cat?. *Trends in Cell Biology*, **1996**, 6, 287-90	18.3	16
23	Controlling growth of the wing: vestigial integrates signals from the compartment boundaries. *BioEssays*, **1996**, 18, 855-8	4.1	29
22	Specification of the wing by localized expression of wingless protein. *Nature*, **1996**, 381, 316-8	50.4	181
21	Two distinct mechanisms for long-range patterning by Decapentaplegic in the Drosophila wing. *Nature*, **1996**, 381, 387-93	50.4	562
20	Organizing spatial pattern in limb development. *Annual Review of Cell and Developmental Biology*, **1996**, 12, 161-80	12.6	126
19	Signal transduction by cAMP-dependent protein kinase A in Drosophila limb patterning. *Nature*, **1995**, 373, 711-5	50.4	156
18	Trans- and cis-acting requirements for blastodermal expression of the head gap gene buttonhead. *Mechanisms of Development*, **1995**, 53, 235-45	1.7	46
17	Distinguishable functions for engrailed and invected in anterior-posterior patterning in the Drosophila wing. *Nature*, **1995**, 376, 424-7	50.4	100
16	Cell interaction between compartments establishes the proximal-distal axis of Drosophila legs. *Nature*, **1994**, 372, 175-9	50.4	301
15	Cell fate determination. When is a determinant a determinant?. *Current Biology*, **1994**, 4, 420-2	6.3	5
14	A Drosophila homologue of human Sp1 is a head-specific segmentation gene. *Nature*, **1993**, 366, 690-4	50.4	141
13	Wingless: from embryo to adult. *Trends in Genetics*, **1993**, 9, 189-92	8.5	16
12	Homeotic genes of the Bithorax complex repress limb development in the abdomen of the Drosophila embryo through the target gene Distal-less. *Cell*, **1992**, 71, 437-50	56.2	321

11	Drosophila headlines. *Trends in Genetics*, **1991**, 7, 267-72	8.5	86
10	Early development of leg and wing primordia in the Drosophila embryo. *Mechanisms of Development*, **1991**, 33, 229-40	1.7	81
9	Establishment of imaginal discs and histoblast nests in Drosophila. *Mechanisms of Development*, **1991**, 34, 11-20	1.7	30
8	Specification of limb development in the Drosophila embryo by positional cues from segmentation genes. *Nature*, **1990**, 343, 173-7	50.4	187
7	Mediation of Drosophila head development by gap-like segmentation genes. *Nature*, **1990**, 346, 482-5	50.4	246
6	Proximal-distal pattern formation in Drosophila : cell autonomous requirement for Distal-less gene activity in limb development. *EMBO Journal*, **1989**, 8, 2045-2055	13	179
5	Proximal-distal pattern formation inDrosophila: graded requirement forDistal-less gene activity during limb development. *Roux's Archives of Developmental Biology*, **1989**, 198, 157-169		50
4	Distal-less encodes a homoeodomain protein required for limb development in Drosophila. *Nature*, **1989**, 338, 432-4	50.4	346
3	Immunological comparison of desmosomal components from several bovine tissues. *Journal of Cellular Biochemistry*, **1984**, 26, 35-45	4.7	61
2	Desmosomal antigens are not recognized by the majority of pemphigus autoimmune sera. *Journal of Investigative Dermatology*, **1983**, 80, 475-80	4.3	20
1	Genome-wide RNAi screen for context-dependent tumor suppressors identified using in vivo models for neoplasia in Drosophila		2