James Castelli-Gair HombrÃ-a

List of Publications by Year
in descending order

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38 papers	1,648 citations	430874 18 h-index	361022 35 g-index
40 all docs	40 docs citations	40 times ranked	1484 citing authors

#	Article	IF	Citations
1	Identification of the first invertebrate interleukin JAK/STAT receptor, the Drosophila gene domeless. Current Biology, 2001, 11, 1700-1705.	3.9	320
2	Beyond homeosisâ€"HOX function in morphogenesis and organogenesis. Differentiation, 2003, 71, 461-476.	1.9	164
3	Characterisation of Upd2, a Drosophila JAK/STAT pathway ligand. Developmental Biology, 2005, 288, 420-433.	2.0	159
4	The Fertile Field of Drosophila JAK/STAT Signalling. Current Biology, 2002, 12, R569-R575.	3.9	154
5	Compartmentalisation of Rho regulators directs cell invagination during tissue morphogenesis. Development (Cambridge), 2006, 133, 4257-4267.	2.5	96
6	Coordinated Control of Cell Adhesion, Polarity, and Cytoskeleton Underlies Hox-Induced Organogenesis in Drosophila. Current Biology, 2006, 16, 2206-2216.	3.9	88
7	Study of the Posterior Spiracles of Drosophila as a Model to Understand the Genetic and Cellular Mechanisms Controlling Morphogenesis. Developmental Biology, 1999, 214, 197-210.	2.0	67
8	crossveinless-c is a RhoGAP required for actin reorganisation during morphogenesis. Development (Cambridge), 2005, 132, 2389-2400.	2.5	62
9	Opposing roles for Drosophila JAK/STAT signalling during cellular proliferation. Oncogene, 2005, 24, 2503-2511.	5.9	56
10	Novel level of signalling control in the JAK/STAT pathway revealed by in situ visualisation of protein-protein interaction during Drosophiladevelopment. Development (Cambridge), 2003, 130, 3077-3084.	2.5	44
11	Common Origin of Insect Trachea and Endocrine Organs from a Segmentally Repeated Precursor. Current Biology, 2014, 24, 76-81.	3.9	44
12	Interactions of Polycomb and trithorax with cis regulatory regions of Ultrabithorax during the development of Drosophila melanogaster.. EMBO Journal, 1990, 9, 4267-4275.	7.8	39
13	JAK/STAT signalling inDrosophila controls cell motility during germ cell migration. Developmental Dynamics, 2006, 235, 958-966.	1.8	33
14	Plasticity of Drosophila Stat DNA binding shows an evolutionary basis for Stat transcription factor preferences. EMBO Reports, 2008, 9, 1114-1120.	4.5	31
15	Antagonism Versus Cooperativity with TALE Cofactors at the Base of the Functional Diversification of Hox Protein Function. PLoS Genetics, 2013, 9, e1003252.	3.5	28
16	An efficient approach to isolate STAT regulated enhancers uncovers STAT92E fundamental role in Drosophila tracheal development. Developmental Biology, 2010, 340, 571-582.	2.0	27
17	In vivo Hox binding specificity revealed by systematic changes to a single cis regulatory module. Nature Communications, 2019, 10, 3597.	12.8	27
18	Hox-controlled reorganisation of intrasegmental patterning cues underlies Drosophila posterior spiracle organogenesis. Development (Cambridge), 2005, 132, 3093-3102.	2.5	23

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19	Polarized Subcellular Localization of JAK/STAT Components Is Required for Efficient Signaling. Current Biology, 2008, 18, 624-629.	3.9	21
20	JAK/STAT and Hox Dynamic Interactions in an Organogenetic Gene Cascade. PLoS Genetics, 2015, 11, e1005412.	3.5	21
21	Disclosing JAK/STAT links to cell adhesion and cell polarity. Seminars in Cell and Developmental Biology, 2008, 19, 370-378.	5.0	17
22	Src kinases mediate the interaction of the apical determinant Bazooka/PAR3 with STAT92E and increase signalling efficiency in Drosophila ectodermal cells. Development (Cambridge), 2013, 140, 1507-1516.	2.5	17
23	Positive and negative cis-regulatory elements in the bithoraxoid region of the Drosophila Ultrabithorax gene. Molecular Genetics and Genomics, 1992, 234, 177-184.	2.4	16
24	Genetic control of morphogenesis - Hox induced organogenesis of the posterior spiracles. International Journal of Developmental Biology, 2009, 53, 1349-1358.	0.6	14
25	Forces shaping a Hox morphogenetic gene network. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4303-4308.	7.1	10
26	JAK-STAT pathway inDrosophilamorphogenesis. Jak-stat, 2013, 2, e26089.	2.2	10
27	Butterfly eyespot serial homology: enter the Hox genes. BMC Biology, 2011, 9, 26.	3.8	9
28	Precise long-range migration results from short-range stepwise migration during ring gland organogenesis. Developmental Biology, 2016, 414, 45-57.	2.0	9
29	Anterior Hox Genes and the Process of Cephalization. Frontiers in Cell and Developmental Biology, 2021, 9, 718175.	3.7	9
30	Ultrabithorax protein expression in breakpoint mutants: localization of single, co-operative and redundant cis regulatory elements. Roux's Archives of Developmental Biology, 1994, 203, 411-421.	1.2	7
31	JAK/STAT Signalling: STAT Cannot Play with Ken and Barbie. Current Biology, 2006, 16, R98-R100.	3.9	7
32	Organogenetic Gene Networks. , 2016, , .		7
33	Functional analysis of the Drosophila RhoGAP Cv-c protein and its equivalence to the human DLC3 and DLC1 proteins. Scientific Reports, 2018, 8, 4601.	3.3	5
34	Characterizing the embryonic development of B. hygida (Diptera: Sciaridae) following enzymatic treatment to permeabilize the serosal cuticle. Mechanisms of Development, 2018, 154, 270-276.	1.7	4
35	Why should we care about fly tumors?. Jak-stat, 2013, 2, e23203.	2.2	2
36	Cell Signalling: Combining Pathways for Diversification and Reproducibility. Current Biology, 2016, 26, R1153-R1155.	3.9	1

#	Article	IF	Citations
37	Models for Studying Organogenetic Gene Networks in the 21st Century. , 2016, , 1-7.		0
38	Evoâ€“Devo: When Four Became Two Plus Two. Current Biology, 2020, 30, R655-R657.	3.9	0