

Erika A Bach

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

3,079
citations

393982

19
h-index

414034

32
g-index

41
all docs

41
docs citations

41
times ranked

3369
citing authors

#	ARTICLE	IF	CITATIONS
1	THE IFN γ RECEPTOR: A Paradigm for Cytokine Receptor Signaling. Annual Review of Immunology, 1997, 15, 563-591.	9.5	941
2	GFP reporters detect the activation of the Drosophila JAK/STAT pathway in vivo. Gene Expression Patterns, 2007, 7, 323-331.	0.3	330
3	Ligand-Induced Autoregulation of IFN-gamma Receptor beta Chain Expression in T Helper Cell Subsets. Science, 1995, 270, 1215-1218.	6.0	199
4	Cell competition: how to eliminate your neighbours. Development (Cambridge), 2014, 141, 988-1000.	1.2	172
5	chinmo Is a Functional Effector of the JAK/STAT Pathway that Regulates Eye Development, Tumor Formation, and Stem Cell Self-Renewal in Drosophila. Developmental Cell, 2010, 18, 556-568.	3.1	169
6	JAK/STAT signaling in stem cells and regeneration: from <i>Drosophila</i> to vertebrates. Development (Cambridge), 2019, 146, .	1.2	140
7	The roles of the Drosophila JAK/STAT pathway. Oncogene, 2000, 19, 2598-2606.	2.6	138
8	A Sensitized Genetic Screen to Identify Novel Regulators and Components of the Drosophila Janus Kinase/Signal Transducer and Activator of Transcription Pathway. Genetics, 2003, 165, 1149-1166.	1.2	124
9	Activated STAT regulates growth and induces competitive interactions independently of Myc, Yorkie, Wingless and ribosome biogenesis. Development (Cambridge), 2012, 139, 4051-4061.	1.2	112
10	Neutral competition of stem cells is skewed by proliferative changes downstream of Hh and Hpo. EMBO Journal, 2014, 33, 2295-2313.	3.5	77
11	JAK/STAT signaling promotes regional specification by negatively regulating wingless expression in Drosophila. Development (Cambridge), 2006, 133, 4721-4729.	1.2	76
12	JAK/STAT pathway dysregulation in tumors: A Drosophila perspective. Seminars in Cell and Developmental Biology, 2014, 28, 96-103.	2.3	75
13	Hedgehog is required for CySC self-renewal but does not contribute to the GSC niche in the <i>Drosophila</i> testis. Development (Cambridge), 2013, 140, 56-65.	1.2	72
14	Genome-wide expression profiling in the <i>Drosophila</i> eye reveals unexpected repression of notch signaling by the JAK/STAT pathway. Developmental Dynamics, 2009, 238, 2235-2253.	0.8	60
15	Characterization of a dominant-active STAT that promotes tumorigenesis in Drosophila. Developmental Biology, 2010, 344, 621-636.	0.9	58
16	Socs36E Controls Niche Competition by Repressing MAPK Signaling in the Drosophila Testis. PLoS Genetics, 2016, 12, e1005815.	1.5	51
17	Isoprenylcysteine carboxylmethyltransferase deficiency exacerbates KRAS-driven pancreatic neoplasia via Notch suppression. Journal of Clinical Investigation, 2013, 123, 4681-4694.	3.9	48
18	JAK/STAT signaling is required for hinge growth and patterning in the Drosophila wing disc. Developmental Biology, 2013, 382, 413-426.	0.9	43

#	ARTICLE	IF	CITATIONS
19	Somatic stem cell differentiation is regulated by PI3K/Tor signaling in response to local cues. <i>Development (Cambridge)</i> , 2016, 143, 3914-3925.	1.2	30
20	JNK signaling triggers spermatogonial dedifferentiation during chronic stress to maintain the germline stem cell pool in the <i>Drosophila</i> testis. <i>ELife</i> , 2018, 7, .	2.8	29
21	Chinmo prevents transformer alternative splicing to maintain male sex identity. <i>PLoS Genetics</i> , 2018, 14, e1007203.	1.5	25
22	Proliferative stem cells maintain quiescence of their niche by secreting the Activin inhibitor Follistatin. <i>Developmental Cell</i> , 2021, 56, 2284-2294.e6.	3.1	21
23	The Emerging Roles of JNK Signaling in <i>Drosophila</i> Stem Cell Homeostasis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5519.	1.8	18
24	A Genetic Screen Reveals an Unexpected Role for Yorkie Signaling in JAK/STAT-Dependent Hematopoietic Malignancies in <i>Drosophila melanogaster</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 2427-2438.	0.8	17
25	Neutral Competition for <i>Drosophila</i> Follicle and Cyst Stem Cell Niches Requires Vesicle Trafficking Genes. <i>Genetics</i> , 2017, 206, 1417-1428.	1.2	14
26	Regulation of NOTCH signaling by RAB7 and RAB8 requires carboxyl methylation by ICMT. <i>Journal of Cell Biology</i> , 2017, 216, 4165-4182.	2.3	14
27	Enhancer of Polycomb/Tip60 represses hematological tumor initiation by negatively regulating JAK/STAT pathway activity. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	9
28	chinmo-mutant spermatogonial stem cells cause mitotic drive by evicting non-mutant neighbors from the niche. <i>Developmental Cell</i> , 2022, 57, 80-94.e7.	3.1	8
29	Next-Generation Sequencing Reveals Increased Anti-oxidant Response and Ecdysone Signaling in STAT Supercompetitors in <i>Drosophila</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2609-2622.	0.8	3
30	Transcriptomic analysis of feminizing somatic stem cells in the <i>Drosophila</i> testis reveals putative downstream effectors of the transcription factor Chinmo. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	3
31	Super-Competitors Game the Fitness Sensing System. <i>Developmental Cell</i> , 2018, 46, 672-674.	3.1	2
32	MT-Nanotubes: Lifelines for Stem Cells. <i>Cell Stem Cell</i> , 2015, 17, 133-134.	5.2	1
33	The JAK/STAT pathway regulates proximo-distal patterning in <i>Drosophila</i> . <i>Developmental Dynamics</i> , 2007, 236, spc1-spc1.	0.8	0