

Ernst Hafen

List of Publications by Year in descending order

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99
papers

18,557
citations

30070

54
h-index

36028

97
g-index

101
all docs

101
docs citations

101
times ranked

16515
citing authors

#	ARTICLE	IF	CITATIONS
1	Extension of Life-Span by Loss of CHICO, a <i>Drosophila</i> Insulin Receptor Substrate Protein. <i>Science</i> , 2001, 292, 104-106.	12.6	1,315
2	Regulation of mTOR function in response to hypoxia by REDD1 and the TSC1/TSC2 tumor suppressor complex. <i>Genes and Development</i> , 2004, 18, 2893-2904.	5.9	1,166
3	An evolutionarily conserved function of the <i>Drosophila</i> insulin receptor and insulin-like peptides in growth control. <i>Current Biology</i> , 2001, 11, 213-221.	3.9	1,143
4	Insulin Activation of Rheb, a Mediator of mTOR/S6K/4E-BP Signaling, Is Inhibited by TSC1 and 2. <i>Molecular Cell</i> , 2003, 11, 1457-1466.	9.7	942
5	Autonomous Control of Cell and Organ Size by CHICO, a <i>Drosophila</i> Homolog of Vertebrate IRS1. <i>Cell</i> , 1999, 97, 865-875.	28.9	821
6	Longer lifespan, altered metabolism, and stress resistance in <i>Drosophila</i> from ablation of cells making insulin-like ligands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3105-3110.	7.1	734
7	<i>Drosophila</i> S6 Kinase: A Regulator of Cell Size. <i>Science</i> , 1999, 285, 2126-2129.	12.6	685
8	Nutrient-Dependent Expression of Insulin-like Peptides from Neuroendocrine Cells in the CNS Contributes to Growth Regulation in <i>Drosophila</i> . <i>Current Biology</i> , 2002, 12, 1293-1300.	3.9	667
9	Long-Lived <i>Drosophila</i> with Overexpressed dFOXO in Adult Fat Body. <i>Science</i> , 2004, 305, 361-361.	12.6	516
10	Insulin/IGF and target of rapamycin signaling: a TOR de force in growth control. <i>Trends in Cell Biology</i> , 2003, 13, 79-85.	7.9	505
11	Dispatched, a Novel Sterol-Sensing Domain Protein Dedicated to the Release of Cholesterol-Modified Hedgehog from Signaling Cells. <i>Cell</i> , 1999, 99, 803-815.	28.9	502
12	Rheb is an essential regulator of S6K in controlling cell growth in <i>Drosophila</i> . <i>Nature Cell Biology</i> , 2003, 5, 559-566.	10.3	478
13	A gain-of-function mutation in <i>Drosophila</i> MAP kinase activates multiple receptor tyrosine kinase signaling pathways. <i>Cell</i> , 1994, 76, 875-888.	28.9	423
14	Genetic and biochemical characterization of dTOR, the <i>Drosophila</i> homolog of the target of rapamycin. <i>Genes and Development</i> , 2000, 14, 2689-2694.	5.9	396
15	Spatial distribution of transcripts from the segmentation gene <i>fushi tarazu</i> during <i>Drosophila</i> embryonic development. <i>Cell</i> , 1984, 37, 833-841.	28.9	387
16	The ETS domain protein Pointed-P2 is a target of MAP kinase in the Sevenless signal transduction pathway. <i>Nature</i> , 1994, 370, 386-389.	27.8	357
17	The DrosDel Collection. <i>Genetics</i> , 2004, 167, 797-813.	2.9	342
18	Raf functions downstream of Ras1 in the Sevenless signal transduction pathway. <i>Nature</i> , 1992, 360, 600-603.	27.8	326

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19	<i>Drosophila</i> Egg-Laying Site Selection as a System to Study Simple Decision-Making Processes. <i>Science</i> , 2008, 319, 1679-1683.	12.6	320
20	The WW Domain Protein Kibra Acts Upstream of Hippo in <i>Drosophila</i> . <i>Developmental Cell</i> , 2010, 18, 309-316.	7.0	286
21	Localization of the sevenless protein, a putative receptor for positional information, in the eye imaginal disc of <i>Drosophila</i> . <i>Cell</i> , 1987, 51, 143-150.	28.9	276
22	Regulation of Antennapedia transcript distribution by the bithorax complex in <i>Drosophila</i> . <i>Nature</i> , 1984, 307, 287-289.	27.8	274
23	The hypoxia-induced paralogs Scylla and Charybdis inhibit growth by down-regulating S6K activity upstream of TSC in <i>Drosophila</i> . <i>Genes and Development</i> , 2004, 18, 2879-2892.	5.9	273
24	Dietary Restriction in Long-Lived Dwarf Flies. <i>Science</i> , 2002, 296, 319-319.	12.6	259
25	Ligand-independent activation of the sevenless receptor tyrosine kinase changes the fate of cells in the developing <i>Drosophila</i> eye. <i>Cell</i> , 1991, 64, 1069-1081.	28.9	255
26	A high-quality catalog of the <i>Drosophila melanogaster</i> proteome. <i>Nature Biotechnology</i> , 2007, 25, 576-583.	17.5	247
27	Genetic control of cell size. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 529-535.	3.3	231
28	The DrosDel Deletion Collection: A <i>Drosophila</i> Genomewide Chromosomal Deficiency Resource. <i>Genetics</i> , 2007, 177, 615-629.	2.9	197
29	DOS, a Novel Pleckstrin Homology Domain-Containing Protein Required for Signal Transduction between Sevenless and Ras1 in <i>Drosophila</i> . <i>Cell</i> , 1996, 85, 911-920.	28.9	193
30	Living with Lethal PIP3 Levels: Viability of Flies Lacking PTEN Restored by a PH Domain Mutation in Akt/PKB. <i>Science</i> , 2002, 295, 2088-2091.	12.6	190
31	Reduction of DILP2 in <i>Drosophila</i> Triages a Metabolic Phenotype from Lifespan Revealing Redundancy and Compensation among DILPs. <i>PLoS ONE</i> , 2008, 3, e3721.	2.5	184
32	dS6K-regulated cell growth is dPKB/dPI(3)K-independent, but requires dPDK1. <i>Nature Cell Biology</i> , 2002, 4, 251-255.	10.3	177
33	Control of photoreceptor cell fate by the sevenless protein requires a functional tyrosine kinase domain. <i>Cell</i> , 1988, 54, 299-311.	28.9	175
34	Model for the regulation of size in the wing imaginal disc of <i>Drosophila</i> . <i>Mechanisms of Development</i> , 2007, 124, 318-326.	1.7	174
35	A Novel, Evolutionarily Conserved Protein Phosphatase Complex Involved in Cisplatin Sensitivity. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1725-1740.	3.8	173
36	Identification and Functional Characterization of N-Terminally Acetylated Proteins in <i>Drosophila melanogaster</i> . <i>PLoS Biology</i> , 2009, 7, e1000236.	5.6	149

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37	Cloning and transcriptional analysis of the segmentation gene fushi tarazu of <i>Drosophila</i> . <i>Cell</i> , 1984, 37, 825-831.	28.9	146
38	Common and Distinct Roles of DFos and DJun During <i>Drosophila</i> Development. <i>Science</i> , 1997, 278, 669-672.	12.6	143
39	The paired box gene <i>pox neuro</i> : A determinant of poly-innervated sense organs in <i>Drosophila</i> . <i>Cell</i> , 1992, 69, 159-172.	28.9	136
40	Biochemical Membrane Lipidomics during <i>Drosophila</i> Development. <i>Developmental Cell</i> , 2013, 24, 98-111.	7.0	133
41	Knockout of 'metal-responsive transcription factor' MTF-1 in <i>Drosophila</i> by homologous recombination reveals its central role in heavy metal homeostasis. <i>EMBO Journal</i> , 2003, 22, 100-108.	7.8	126
42	The axonally secreted cell adhesion molecule, axonin-1. Primary structure, immunoglobulin-like and fibronectin-type-III-like domains and glycosyl-phosphatidylinositol anchorage. <i>FEBS Journal</i> , 1992, 204, 453-463.	0.2	119
43	Control of <i>drosophila</i> photoreceptor cell fates by <i>phyllopod</i> , a novel nuclear protein acting downstream of the <i>raf</i> kinase. <i>Cell</i> , 1995, 80, 453-462.	28.9	117
44	Mutations Modulating <i>Raf</i> Signaling in <i>Drosophila</i> Eye Development. <i>Genetics</i> , 1996, 142, 163-171.	2.9	112
45	Genetic control of size in <i>Drosophila</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 945-952.	4.0	110
46	Genetics of signal transduction in invertebrates. <i>Current Opinion in Genetics and Development</i> , 1994, 4, 64-70.	3.3	99
47	<i>Ras</i> - a versatile cellular switch. <i>Current Opinion in Genetics and Development</i> , 1998, 8, 412-418.	3.3	95
48	The <i>Drosophila</i> SH2B Family Adaptor <i>Lnk</i> Acts in Parallel to <i>Chico</i> in the Insulin Signaling Pathway. <i>PLoS Genetics</i> , 2009, 5, e1000596.	3.5	77
49	Substrate-dependent control of MAPK phosphorylation <i>in vivo</i> . <i>Molecular Systems Biology</i> , 2011, 7, 467.	7.2	76
50	Regulation of Lifespan, Metabolism, and Stress Responses by the <i>Drosophila</i> SH2B Protein, <i>Lnk</i> . <i>PLoS Genetics</i> , 2010, 6, e1000881.	3.5	75
51	The <i>Drosophila</i> mitochondrial ribosomal protein <i>mRpl12</i> is required for Cyclin D/Cdk4-driven growth. <i>EMBO Journal</i> , 2005, 24, 623-634.	7.8	63
52	Modularity and hormone sensitivity of the <i>Drosophila melanogaster</i> insulin receptor/target of rapamycin interaction proteome. <i>Molecular Systems Biology</i> , 2011, 7, 547.	7.2	60
53	A combined proteomic and genetic analysis identifies a role for the lipid desaturase <i>Desat1</i> in starvation-induced autophagy in <i>Drosophila</i> . <i>Autophagy</i> , 2009, 5, 980-990.	9.1	59
54	Diet-Dependent Effects of the <i>Drosophila</i> <i>Mnk1/Mnk2</i> Homolog <i>Lk6</i> on Growth via <i>eIF4E</i> . <i>Current Biology</i> , 2005, 15, 24-30.	3.9	56

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55	The Hemolymph Proteome of Fed and Starved <i>Drosophila</i> Larvae. <i>PLoS ONE</i> , 2013, 8, e67208.	2.5	55
56	Genome-Wide Analysis Reveals Novel Regulators of Growth in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2016, 12, e1005616.	3.5	55
57	Negative regulation of Raf activity by binding of 14-3-3 to the amino terminus of Raf in vivo. <i>Mechanisms of Development</i> , 1997, 64, 95-104.	1.7	53
58	Modulation of the Ras/MAPK Signalling Pathway by the Redox Function of Selenoproteins in <i>Drosophila melanogaster</i> . <i>Developmental Biology</i> , 2001, 238, 145-156.	2.0	51
59	Overgrowth caused by misexpression of a microRNA with dispensable wild-type function. <i>Developmental Biology</i> , 2006, 291, 314-324.	2.0	46
60	Proteome-wide association studies identify biochemical modules associated with a wing-size phenotype in <i>Drosophila melanogaster</i> . <i>Nature Communications</i> , 2016, 7, 12649.	12.8	41
61	MK2-Dependent p38 β Signalling Protects <i>Drosophila</i> Hindgut Enterocytes against JNK-Induced Apoptosis under Chronic Stress. <i>PLoS Genetics</i> , 2011, 7, e1002168.	3.5	39
62	The RNA-binding Proteins FMR1, Rasputin and Caprin Act Together with the UBA Protein Lingerer to Restrict Tissue Growth in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2013, 9, e1003598.	3.5	39
63	Specification of cell fate in the developing eye of <i>Drosophila</i> . <i>BioEssays</i> , 1991, 13, 621-631.	2.5	34
64	Wide distribution of the cysteine string proteins in <i>Drosophila</i> tissues revealed by targeted mutagenesis. <i>Cell and Tissue Research</i> , 1998, 294, 203-217.	2.9	33
65	Diagnostic of students' misconceptions using the Biological Concepts Instrument (BCI): A method for conducting an educational needs assessment. <i>PLoS ONE</i> , 2017, 12, e0176906.	2.5	33
66	Control of Growth and Differentiation by <i>Drosophila</i> RasGAP, a Homolog of p120 Ras β -GTPase-Activating Protein. <i>Molecular and Cellular Biology</i> , 1999, 19, 1928-1937.	2.3	32
67	TORC2 mediates the heat stress response in <i>Drosophila</i> by promoting the formation of stress granules. <i>Journal of Cell Science</i> , 2015, 128, 2497-508.	2.0	32
68	The Dominant Mutation <i>Glazed</i> Is a Gain-of-Function Allele of <i>wingless</i> That, Similar to Loss of APC, Interferes with Normal Eye Development. <i>Developmental Biology</i> , 1999, 206, 178-188.	2.0	31
69	Towards Long Term Cultivation of <i>Drosophila</i> Wing Imaginal Discs In Vitro. <i>PLoS ONE</i> , 2014, 9, e107333.	2.5	30
70	Nutrient restriction enhances the proliferative potential of cells lacking the tumor suppressor PTEN in mitotic tissues. <i>ELife</i> , 2013, 2, e00380.	6.0	30
71	Local requirement of the <i>Drosophila</i> insulin binding protein imp-L2 in coordinating developmental progression with nutritional conditions. <i>Developmental Biology</i> , 2013, 381, 97-106.	2.0	28
72	Democratizing Health Research Through Data Cooperatives. <i>Philosophy and Technology</i> , 2018, 31, 473-479.	4.3	28

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73	Targeted Expression of the Class II Phosphoinositide 3-Kinase in <i>Drosophila melanogaster</i> Reveals Lipid Kinase-Dependent Effects on Patterning and Interactions with Receptor Signaling Pathways. <i>Molecular and Cellular Biology</i> , 2004, 24, 796-808.	2.3	27
74	Biochemical Characterization of RolledSem, an Activated Form of <i>Drosophila</i> Mitogen-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 1996, 271, 24939-24944.	3.4	26
75	An Efficient Method to Generate Chromosomal Rearrangements by Targeted DNA Double-Strand Breaks in <i>Drosophila melanogaster</i> . <i>Genome Research</i> , 2004, 14, 1382-1393.	5.5	26
76	High-resolution SNP mapping by denaturing HPLC. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10575-10580.	7.1	25
77	Susi, a Negative Regulator of <i>Drosophila</i> PI3-Kinase. <i>Developmental Cell</i> , 2005, 8, 817-827.	7.0	24
78	Dietary Restriction and Life-Span. <i>Science</i> , 2002, 296, 2141-2142.	12.6	22
79	The <i>Drosophila</i> homolog of human tumor suppressor TSC-22 promotes cellular growth, proliferation, and survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5414-5419.	7.1	21
80	The Nuclear Receptor DHR3 Modulates dS6 Kinase-Dependent Growth in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2010, 6, e1000937.	3.5	19
81	SOCS36E specifically interferes with Sevenless signaling during <i>Drosophila</i> eye development. <i>Developmental Biology</i> , 2009, 326, 212-223.	2.0	16
82	A Proteome Catalog of <i>Drosophila melanogaster</i> : An Essential Resource for Targeted Quantitative Proteomics. <i>Fly</i> , 2007, 1, 182-186.	1.7	15
83	<i>Drosophila</i> cbl Is Essential for Control of Cell Death and Cell Differentiation during Eye Development. <i>PLoS ONE</i> , 2008, 3, e1447.	2.5	14
84	Attitudes towards personal genomics among older Swiss adults: An exploratory study. <i>Applied & Translational Genomics</i> , 2016, 8, 9-15.	2.1	14
85	Patterning by cell recruitment in the <i>Drosophila</i> eye. <i>Current Opinion in Genetics and Development</i> , 1991, 1, 268-274.	3.3	13
86	The Cdi/TESK1 kinase is required for Sevenless signaling and epithelial organization in the <i>Drosophila</i> eye. <i>Journal of Cell Science</i> , 2006, 119, 5047-5056.	2.0	9
87	New indicators and indexes for benchmarking university-industry-government innovation in medical and life science clusters: results from the European FP7 Regions of Knowledge HealthTIES project. <i>Health Research Policy and Systems</i> , 2019, 17, 10.	2.8	8
88	Towards Rawlsian "property-owning democracy" through personal data platform cooperatives. <i>Critical Review of International Social and Political Philosophy</i> , 2023, 26, 769-787.	0.8	8
89	Bernard Lerer: Recipient of the 2014 Inaugural Werner Kalow Responsible Innovation Prize in Global Omics and Personalized Medicine (Pacific Rim Association for Clinical Pharmacogenetics). <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 211-221.	2.0	7
90	Multi-Functional Regulation of 4E-BP Gene Expression by the Ccr4-Not Complex. <i>PLoS ONE</i> , 2015, 10, e0113902.	2.5	6

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91	Receptor tyrosine kinases mediate cell-cell interactions during <i>Drosophila</i> development. <i>Progress in Growth Factor Research</i> , 1990, 2, 15-27.	1.6	5
92	The FlyCatwalk: A High-Throughput Feature-Based Sorting System for Artificial Selection in <i>Drosophila</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 317-327.	1.8	5
93	Using smartphone accelerometer data to obtain scientific mechanical-biological descriptors of resistance exercise training. <i>PLoS ONE</i> , 2020, 15, e0235156.	2.5	5
94	Sex-dependent and sex-independent regulatory systems of size variation in natural populations. <i>Molecular Systems Biology</i> , 2019, 15, e9012.	7.2	4
95	Wissenschaft aktuell. <i>Chemie in Unserer Zeit</i> , 1995, 29, 322-331.	0.1	3
96	Pushing Single-Gene Genetic Analysis up a Notch. <i>Developmental Cell</i> , 2009, 16, 623-624.	7.0	2
97	Analysis of novel alleles of <i>brother of toutou</i> , the <i>Drosophila</i> ortholog of human EXTL3 using a newly developed <i>FRT42D ovo^D</i> chromosome. <i>Genesis</i> , 2016, 54, 573-581.	1.6	0
98	Algorithmic extraction of smartphone accelerometer-derived mechano-biological descriptors of resistance exercise is robust to changes in intensity and velocity. <i>PLoS ONE</i> , 2021, 16, e0254164.	2.5	0
99	Genossenschaften im neuen Datenzeitalter. <i>Zeitschrift für Das Gesamte Genossenschaftswesen</i> , 2022, 72, 39-63.	0.2	0