Ernst Hafen

List of Publications by Year
in descending order

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99 papers	18,557 citations	29994 54 h-index	35952 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 Drosophila Insulin Receptor Substrate Protein. Science, 2001, 292, 104-106.	6.0	1,315
2	Regulation of mTOR function in response to hypoxia by REDD1 and the TSC1/TSC2 tumor suppressor complex. Genes and Development, 2004, 18, 2893-2904.	2.7	1,166
3	An evolutionarily conserved function of the Drosophila insulin receptor and insulin-like peptides in growth control. Current Biology, 2001, 11, 213-221.	1.8	1,143
4	Insulin Activation of Rheb, a Mediator of mTOR/S6K/4E-BP Signaling, Is Inhibited by TSC1 and 2. Molecular Cell, 2003, 11, 1457-1466.	4.5	942
5	Autonomous Control of Cell and Organ Size by CHICO, a Drosophila Homolog of Vertebrate IRS1â€“4. Cell, 1999, 97, 865-875.	13.5	821
6	Longer lifespan, altered metabolism, and stress resistance in Drosophila from ablation of cells making insulin-like ligands. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3105-3110.	3.3	734
7	Drosophila S6 Kinase: A Regulator of Cell Size. Science, 1999, 285, 2126-2129.	6.0	685
8	Nutrient-Dependent Expression of Insulin-like Peptides from Neuroendocrine Cells in the CNS Contributes to Growth Regulation in Drosophila. Current Biology, 2002, 12, 1293-1300.	1.8	667
9	Long-Lived Drosophila with Overexpressed dFOXO in Adult Fat Body. Science, 2004, 305, 361-361.	6.0	516
10	Insulin/IGF and target of rapamycin signaling: a TOR de force in growth control. Trends in Cell Biology, 2003, 13, 79-85.	3.6	505
11	Dispatched, a Novel Sterol-Sensing Domain Protein Dedicated to the Release of Cholesterol-Modified Hedgehog from Signaling Cells. Cell, 1999, 99, 803-815.	13.5	502
12	Rheb is an essential regulator of S6K in controlling cell growth in Drosophila. Nature Cell Biology, 2003, 5, 559-566.	4.6	478
13	A gain-of-function mutation in Drosophila MAP kinase activates multiple receptor tyrosine kinase signaling pathways. Cell, 1994, 76, 875-888.	13.5	423
14	Genetic and biochemical characterization of dTOR, the Drosophila homolog of the target of rapamycin. Genes and Development, 2000, 14, 2689-2694.	2.7	396
15	Spatial distribution of transcripts from the segmentation gene fushi tarazu during Drosophila embryonic development. Cell, 1984, 37, 833-841.	13.5	387
16	The ETS domain protein Pointed-P2 is a target of MAP kinase in the Sevenless signal transduction pathway. Nature, 1994, 370, 386-389.	13.7	357
17	The DrosDel Collection. Genetics, 2004, 167, 797-813.	1.2	342
18	Raf functions downstream of Rasl in the Sevenless signal transduction pathway. Nature, 1992, 360, 600-603.	13.7	326

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19	Drosophila Egg-Laying Site Selection as a System to Study Simple Decision-Making Processes. Science, 2008, 319, 1679-1683.	6.0	320
20	The WW Domain Protein Kibra Acts Upstream of Hippo in Drosophila. Developmental Cell, 2010, 18, 309-316.	3.1	286
21	Localization of the sevenless protein, a putative receptor for positional information, in the eye imaginal disc of Drosophila. Cell, 1987, 51, 143-150.	13.5	276
22	Regulation of Antennapedia transcript distribution by the bithorax complex in Drosophila. Nature, 1984, 307, 287-289.	13.7	274
23	The hypoxia-induced paralogs Scylla and Charybdis inhibit growth by down-regulating S6K activity upstream of TSC in Drosophila. Genes and Development, 2004, 18, 2879-2892.	2.7	273
24	Dietary Restriction in Long-Lived Dwarf Flies. Science, 2002, 296, 319-319.	6.0	259
25	Ligand-independent activation of the sevenless receptor tyrosine kinase changes the fate of cells in the developing Drosophila eye. Cell, 1991, 64, 1069-1081.	13.5	255
26	A high-quality catalog of the Drosophila melanogaster proteome. Nature Biotechnology, 2007, 25, 576-583.	9.4	247
27	Genetic control of cell size. Current Opinion in Genetics and Development, 2000, 10, 529-535.	1.5	231
28	The DrosDel Deletion Collection: A Drosophila Genomewide Chromosomal Deficiency Resource. Genetics, 2007, 177, 615-629.	1.2	197
29	DOS, a Novel Pleckstrin Homology Domainâ€“Containing Protein Required for Signal Transduction between Sevenless and Ras1 in Drosophila. Cell, 1996, 85, 911-920.	13.5	193
30	Living with Lethal PIP3 Levels: Viability of Flies Lacking PTEN Restored by a PH Domain Mutation in Akt/PKB. Science, 2002, 295, 2088-2091.	6.0	190
31	Reduction of DILP2 in Drosophila Triages a Metabolic Phenotype from Lifespan Revealing Redundancy and Compensation among DILPs. PLoS ONE, 2008, 3, e3721.	1.1	184
32	dS6K-regulated cell growth is dPKB/dPI(3)K-independent, but requires dPDK1. Nature Cell Biology, 2002, 4, 251-255.	4.6	177
33	Control of photoreceptor cell fate by the sevenless protein requires a functional tyrosine kinase domain. Cell, 1988, 54, 299-311.	13.5	175
34	Model for the regulation of size in the wing imaginal disc of Drosophila. Mechanisms of Development, 2007, 124, 318-326.	1.7	174
35	A Novel, Evolutionarily Conserved Protein Phosphatase Complex Involved in Cisplatin Sensitivity. Molecular and Cellular Proteomics, 2005, 4, 1725-1740.	2.5	173
36	Identification and Functional Characterization of N-Terminally Acetylated Proteins in Drosophila melanogaster. PLoS Biology, 2009, 7, e1000236.	2.6	149

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37	Cloning and transcriptional analysis of the segmentation gene fushi tarazu of Drosophila. Cell, 1984, 37, 825-831.	13.5	146
38	Common and Distinct Roles of DFos and DJun During Drosophila Development. Science, 1997, 278, 669-672.	6.0	143
39	The paired box gene pox neuro: A determiant of poly-innervated sense organs in Drosophila. Cell, 1992, 69, 159-172.	13.5	136
40	Biochemical Membrane Lipidomics during Drosophila Development. Developmental Cell, 2013, 24, 98-111.	3.1	133
41	Knockout of 'metal-responsive transcription factor' MTF-1 in Drosophila by homologous recombination reveals its central role in heavy metal homeostasis. EMBO Journal, 2003, 22, 100-108.	3.5	126
42	The axonally secreted cell adhesion molecule, axonin-1. Primary structure, immunoglobulin-like and fibronectin-type-III-like domains and glycosyl-phosphatidylinositol anchorage. FEBS Journal, 1992, 204, 453-463.	0.2	119
43	Control of drosophila photoreceptor cell fates by phyllopod, a novel nuclear protein acting downstream of the raf kinase. Cell, 1995, 80, 453-462.	13.5	117
44	Mutations Modulating Raf Signaling in Drosophila Eye Development. Genetics, 1996, 142, 163-171.	1.2	112
45	Genetic control of size inDrosophila. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 945-952.	1.8	110
46	Genetics of signal transduction in invertebrates. Current Opinion in Genetics and Development, 1994, 4, 64-70.	1.5	99
47	Ras - a versatile cellular switch. Current Opinion in Genetics and Development, 1998, 8, 412-418.	1.5	95
48	The Drosophila SH2B Family Adaptor Lnk Acts in Parallel to Chico in the Insulin Signaling Pathway. PLoS Genetics, 2009, 5, e1000596.	1.5	77
49	Substrateâ€dependent control of MAPK phosphorylation in vivo. Molecular Systems Biology, 2011, 7, 467.	3.2	76
50	Regulation of Lifespan, Metabolism, and Stress Responses by the Drosophila SH2B Protein, Lnk. PLoS Genetics, 2010, 6, e1000881.	1.5	75
51	The Drosophila mitochondrial ribosomal protein mRpL12 is required for Cyclin D/Cdk4-driven growth. EMBO Journal, 2005, 24, 623-634.	3.5	63
52	Modularity and hormone sensitivity of the Drosophila melanogaster insulin receptor/target of rapamycin interaction proteome. Molecular Systems Biology, 2011, 7, 547.	3.2	60
53	A combined proteomic and genetic analysis identifies a role for the lipid desaturase Desat1 in starvation-induced autophagy in Drosophila. Autophagy, 2009, 5, 980-990.	4.3	59
54	Diet-Dependent Effects of the Drosophila Mnk1/Mnk2 Homolog Lk6 on Growth via eIF4E. Current Biology, 2005, 15, 24-30.	1.8	56

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55	The Hemolymph Proteome of Fed and Starved Drosophila Larvae. PLoS ONE, 2013, 8, e67208.	1.1	55
56	Genome-Wide Analysis Reveals Novel Regulators of Growth in Drosophila melanogaster. PLoS Genetics, 2016, 12, e1005616.	1.5	55
57	Negative regulation of Raf activity by binding of 14-3-3 to the amino terminus of Raf in vivo. Mechanisms of Development, 1997, 64, 95-104.	1.7	53
58	Modulation of the Ras/MAPK Signalling Pathway by the Redox Function of Selenoproteins in Drosophila melanogaster. Developmental Biology, 2001, 238, 145-156.	0.9	51
59	Overgrowth caused by misexpression of a microRNA with dispensable wild-type function. Developmental Biology, 2006, 291, 314-324.	0.9	46
60	Proteome-wide association studies identify biochemical modules associated with a wing-size phenotype in Drosophila melanogaster. Nature Communications, 2016, 7, 12649.	5.8	41
61	MK2-Dependent p38b Signalling Protects Drosophila Hindgut Enterocytes against JNK-Induced Apoptosis under Chronic Stress. PLoS Genetics, 2011, 7, e1002168.	1.5	39
62	The RNA-binding Proteins FMR1, Rasputin and Caprin Act Together with the UBA Protein Lingerer to Restrict Tissue Growth in Drosophila melanogaster. PLoS Genetics, 2013, 9, e1003598.	1.5	39
63	Specification of cell fate in the developing eye ofDrosophila. BioEssays, 1991, 13, 621-631.	1.2	34
64	Wide distribution of the cysteine string proteins in Drosophila tissues revealed by targeted mutagenesis. Cell and Tissue Research, 1998, 294, 203-217.	1.5	33
65	Diagnostic of students' misconceptions using the Biological Concepts Instrument (BCI): A method for conducting an educational needs assessment. PLoS ONE, 2017, 12, e0176906.	1.1	33
66	Control of Growth and Differentiation by Drosophila RasGAP, a Homolog of p120 Rasâ€“GTPase-Activating Protein. Molecular and Cellular Biology, 1999, 19, 1928-1937.	1.1	32
67	TORC2 mediates the heat stress response in Drosophila by promoting the formation of stress granules. Journal of Cell Science, 2015, 128, 2497-508.	1.2	32
68	The Dominant MutationGlazedIs a Gain-of-Function Allele ofwinglessThat, Similar to Loss of APC, Interferes with Normal Eye Development. Developmental Biology, 1999, 206, 178-188.	0.9	31
69	Towards Long Term Cultivation of Drosophila Wing Imaginal Discs In Vitro. PLoS ONE, 2014, 9, e107333.	1.1	30
70	Nutrient restriction enhances the proliferative potential of cells lacking the tumor suppressor PTEN in mitotic tissues. ELife, 2013, 2, e00380.	2.8	30
71	Local requirement of the Drosophila insulin binding protein imp-L2 in coordinating developmental progression with nutritional conditions. Developmental Biology, 2013, 381, 97-106.	0.9	28
72	Democratizing Health Research Through Data Cooperatives. Philosophy and Technology, 2018, 31, 473-479.	2.6	28

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73	Targeted Expression of the Class II Phosphoinositide 3-Kinase in Drosophila melanogaster Reveals Lipid Kinase-Dependent Effects on Patterning and Interactions with Receptor Signaling Pathways. Molecular and Cellular Biology, 2004, 24, 796-808.	1.1	27
74	Biochemical Characterization of RolledSem, an Activated Form of Drosophila Mitogen-activated Protein Kinase. Journal of Biological Chemistry, 1996, 271, 24939-24944.	1.6	26
75	An Efficient Method to Generate Chromosomal Rearrangements by Targeted DNA Double-Strand Breaks in Drosophila melanogaster. Genome Research, 2004, 14, 1382-1393.	2.4	26
76	High-resolution SNP mapping by denaturing HPLC. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10575-10580.	3.3	25
77	Susi, a Negative Regulator of Drosophila PI3-Kinase. Developmental Cell, 2005, 8, 817-827.	3.1	24
78	Dietary Restriction and Life-Span. Science, 2002, 296, 2141-2142.	6.0	22
79	The Drosophila homolog of human tumor suppressor TSC-22 promotes cellular growth, proliferation, and survival. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5414-5419.	3.3	21
80	The Nuclear Receptor DHR3 Modulates dS6 Kinaseâ€“Dependent Growth in Drosophila. PLoS Genetics, 2010, 6, e1000937.	1.5	19
81	SOCS36E specifically interferes with Sevenless signaling during Drosophila eye development. Developmental Biology, 2009, 326, 212-223.	0.9	16
82	A Proteome Catalog ofDrosophila melanogaster: An Essential Resource for Targeted Quantitative Proteomics. Fly, 2007, 1, 182-186.	0.9	15
83	Drosophila cbl Is Essential for Control of Cell Death and Cell Differentiation during Eye Development. PLoS ONE, 2008, 3, e1447.	1.1	14
84	Attitudes towards personal genomics among older Swiss adults: An exploratory study. Applied & Translational Genomics, 2016, 8, 9-15.	2.1	14
85	Patterning by cell recruitment in the Drosophila eye. Current Opinion in Genetics and Development, 1991, 1, 268-274.	1.5	13
86	The Cdi/TESK1 kinase is required for Sevenless signaling and epithelial organization in the Drosophila eye. Journal of Cell Science, 2006, 119, 5047-5056.	1.2	9
87	New indicators and indexes for benchmarking universityâ€“industryâ€“government innovation in medical and life science clusters: results from the European FP7 Regions of Knowledge HealthTIES project. Health Research Policy and Systems, 2019, 17, 10.	1.1	8
88	Towards Rawlsian â€˜property-owning democracyâ€™ through personal data platform cooperatives. Critical Review of International Social and Political Philosophy, 2023, 26, 769-787.	0.6	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). OMICS A Journal of Integrative Biology, 2014, 18, 211-221.	1.0	7
90	Multi-Functional Regulation of 4E-BP Gene Expression by the Ccr4-Not Complex. PLoS ONE, 2015, 10, e0113902.	1.1	6

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91	Receptor tyrosine kinases mediate cell-cell interactions during Drosophila development. Progress in Growth Factor Research, 1990, 2, 15-27.	1.7	5
92	The FlyCatwalk: A High-Throughput Feature-Based Sorting System for Artificial Selection in Drosophila. G3: Genes, Genomes, Genetics, 2015, 5, 317-327.	0.8	5
93	Using smartphone accelerometer data to obtain scientific mechanical-biological descriptors of resistance exercise training. PLoS ONE, 2020, 15, e0235156.	1.1	5
94	Sexâ€dependent and sexâ€independent regulatory systems of size variation in natural populations. Molecular Systems Biology, 2019, 15, e9012.	3.2	4
95	Wissenschaft aktuell. Chemie in Unserer Zeit, 1995, 29, 322-331.	0.1	3
96	Pushing Single-Gene Genetic Analysis up a Notch. Developmental Cell, 2009, 16, 623-624.	3.1	2
97	Analysis of novel alleles of brother of toutâ€velu, the drosophila ortholog of human EXTL3 using a newly developed FRT42D ovo^D chromosome. Genesis, 2016, 54, 573-581.	0.8	0
98	Algorithmic extraction of smartphone accelerometer-derived mechano-biological descriptors of resistance exercise is robust to changes in intensity and velocity. PLoS ONE, 2021, 16, e0254164.	1.1	0
99	Genossenschaften im neuen Datenzeitalter. Zeitschrift FÃ¼r Das Gesamte Genossenschaftswesen, 2022, 72, 39-63.	0.1	0