

# Dan Hultmark

## List of Publications by Year in descending order

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95  
papers

19,583  
citations

26630

56  
h-index

37204

96  
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97  
all docs

97  
docs citations

97  
times ranked

13501  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of genes and genomes on the <i>Drosophila</i> phylogeny. <i>Nature</i> , 2007, 450, 203-218.	27.8	1,886
2	Insights into social insects from the genome of the honeybee <i>Apis mellifera</i> . <i>Nature</i> , 2006, 443, 931-949.	27.8	1,648
3	Sequence and specificity of two antibacterial proteins involved in insect immunity. <i>Nature</i> , 1981, 292, 246-248.	27.8	1,317
4	The genome of the model beetle and pest <i>Tribolium castaneum</i> . <i>Nature</i> , 2008, 452, 949-955.	27.8	1,255
5	Insect Immunity. Purification and Properties of Three Inducible Bactericidal Proteins from Hemolymph of Immunized Pupae of <i>Hyalophora cecropia</i> . <i>FEBS Journal</i> , 1980, 106, 7-16.	0.2	886
6	Immune pathways and defence mechanisms in honey bees <i>Apis mellifera</i> . <i>Insect Molecular Biology</i> , 2006, 15, 645-656.	2.0	855
7	Functional and Evolutionary Insights from the Genomes of Three Parasitoid <i>Nasonia</i> Species. <i>Science</i> , 2010, 327, 343-348.	12.6	808
8	Requirement for a Peptidoglycan Recognition Protein (PGRP) in Relish Activation and Antibacterial Immune Responses in <i>Drosophila</i> . <i>Science</i> , 2002, 296, 359-362.	12.6	548
9	<i>Drosophila</i> immunity: paths and patterns. <i>Current Opinion in Immunology</i> , 2003, 15, 12-19.	5.5	532
10	Translational and transcriptional control elements in the untranslated leader of the heat-shock gene hsp22. <i>Cell</i> , 1986, 44, 429-438.	28.9	515
11	A family of peptidoglycan recognition proteins in the fruit fly <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 13772-13777.	7.1	486
12	Relish, a Central Factor in the Control of Humoral but Not Cellular Immunity in <i>Drosophila</i> . <i>Molecular Cell</i> , 1999, 4, 827-837.	9.7	480
13	Immune reactions in <i>Drosophila</i> and other insects: a model for innate immunity. <i>Trends in Genetics</i> , 1993, 9, 178-183.	6.7	423
14	Dynamic evolution of the innate immune system in <i>Drosophila</i> . <i>Nature Genetics</i> , 2007, 39, 1461-1468.	21.4	400
15	Insect Immunity: Isolation and Structure of Cecropin D and Four Minor Antibacterial Components from <i>Cecropia</i> Pupae. <i>FEBS Journal</i> , 1982, 127, 207-217.	0.2	395
16	A directed screen for genes involved in <i>Drosophila</i> blood cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14192-14197.	7.1	326
17	Origins of immunity: Relish, a compound Rel-like gene in the antibacterial defense of <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 10343-10347.	7.1	317
18	Caspase-mediated processing of the <i>Drosophila</i> NF- $\kappa$ B factor Relish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5991-5996.	7.1	294

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19	Nimrod, a Putative Phagocytosis Receptor with EGF Repeats in <i>Drosophila</i> Plasmatocytes. <i>Current Biology</i> , 2007, 17, 649-654.	3.9	291
20	A <i>Drosophila</i> Î²B kinase complex required for Relish cleavage and antibacterial immunity. <i>Genes and Development</i> , 2000, 14, 2461-2471.	5.9	278
21	Activation of the <i>Drosophila</i> NF-Î²B factor Relish by rapid endoproteolytic cleavage. <i>EMBO Reports</i> , 2000, 1, 347-352.	4.5	278
22	Comparative genomic analysis of the <i>Tribolium</i> immune system. <i>Genome Biology</i> , 2007, 8, R177.	9.6	271
23	Invertebrate immunity and the limits of mechanistic immunology. <i>Nature Immunology</i> , 2005, 6, 651-654.	14.5	240
24	Sessile hemocytes as a hematopoietic compartment in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4805-4809.	7.1	225
25	Î²B-like Motifs Regulate the Induction of Immune Genes in <i>Drosophila</i> . <i>Journal of Molecular Biology</i> , 1993, 232, 327-333.	4.2	221
26	Inhibitor of apoptosis 2 and TAK1-binding protein are components of the <i>Drosophila</i> Imd pathway. <i>EMBO Journal</i> , 2005, 24, 3423-3434.	7.8	197
27	Pirk Is a Negative Regulator of the <i>Drosophila</i> Imd Pathway. <i>Journal of Immunology</i> , 2008, 180, 5413-5422.	0.8	181
28	The lysozyme locus in <i>Drosophila melanogaster</i> : an expanded gene family adapted for expression in the digestive tract. <i>Molecular Genetics and Genomics</i> , 1994, 242, 152-162.	2.4	171
29	Functional Diversity of the <i>Drosophila</i> PGRP-LC Gene Cluster in the Response to Lipopolysaccharide and Peptidoglycan. <i>Journal of Biological Chemistry</i> , 2003, 278, 26319-26322.	3.4	161
30	A Family of Turandot-Related Genes in the Humoral Stress Response of <i>Drosophila</i> . <i>Biochemical and Biophysical Research Communications</i> , 2001, 284, 998-1003.	2.1	154
31	Hemese, a hemocyte-specific transmembrane protein, affects the cellular immune response in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2622-2627.	7.1	148
32	Definition of <i>Drosophila</i> hemocyte subsets by cell-type specific antigens. <i>Acta Biologica Hungarica</i> , 2007, 58, 95-111.	0.7	143
33	In vitro induction of cecropin genes as an immune response in a <i>Drosophila</i> blood cell line. <i>Biochemical and Biophysical Research Communications</i> , 1992, 188, 1169-1175.	2.1	140
34	Transdifferentiation and Proliferation in Two Distinct Hemocyte Lineages in <i>Drosophila melanogaster</i> Larvae after Wasp Infection. <i>PLoS Pathogens</i> , 2016, 12, e1005746.	4.7	136
35	Alkylation of DNA and proteins in mice exposed to vinyl chloride. <i>Biochemical and Biophysical Research Communications</i> , 1977, 76, 259-266.	2.1	131
36	<i>Drosophila</i> cecropin as an antifungal agent. <i>Insect Biochemistry and Molecular Biology</i> , 1999, 29, 965-972.	2.7	126

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37	Macrophage Differentiation Marker MyD88 Is a Member of the Toll/IL-1 Receptor Family. <i>Biochemical and Biophysical Research Communications</i> , 1994, 199, 144-146.	2.1	118
38	Identification of early genes in the <i>Drosophila</i> immune response by PCR-based differential display: the Attacin A gene and the evolution of attacin-like proteins. <i>Insect Biochemistry and Molecular Biology</i> , 1995, 25, 511-518.	2.7	118
39	Signals from the IL-1 Receptor Homolog, Toll, Can Activate an Immune Response in a <i>Drosophila</i> Hemocyte Cell Line. <i>Biochemical and Biophysical Research Communications</i> , 1995, 209, 111-116.	2.1	118
40	Rac1 signalling in the <i>Drosophila</i> larval cellular immune response. <i>Journal of Cell Science</i> , 2006, 119, 2015-2024.	2.0	109
41	JAK / STAT signaling in <i>Drosophila</i> muscles controls the cellular immune response against parasitoid infection. <i>EMBO Reports</i> , 2015, 16, 1664-1672.	4.5	107
42	Insect immunity: <i>Galleria mellonella</i> and other lepidoptera have cecropin-like factors active against gram negative bacteria. <i>Insect Biochemistry</i> , 1981, 11, 537-548.	1.8	103
43	CecC, a cecropin gene expressed during metamorphosis in <i>Drosophila</i> pupae. <i>FEBS Journal</i> , 1992, 204, 395-399.	0.2	100
44	Unity in defence: honeybee workers exhibit conserved molecular responses to diverse pathogens. <i>BMC Genomics</i> , 2017, 18, 207.	2.8	100
45	A humoral stress response in <i>Drosophila</i> . <i>Current Biology</i> , 2001, 11, 714-718.	3.9	99
46	Expression and Evolution of the <i>Drosophila</i> Attacin/Diptericin Gene Family. <i>Biochemical and Biophysical Research Communications</i> , 2000, 279, 574-581.	2.1	95
47	<i>Drosophila melanogaster</i> Rac2 is necessary for a proper cellular immune response. <i>Genes To Cells</i> , 2005, 10, 813-823.	1.2	94
48	Nora virus, a persistent virus in <i>Drosophila</i> , defines a new picorna-like virus family. <i>Journal of General Virology</i> , 2006, 87, 3045-3051.	2.9	93
49	Genome-Wide RNA Interference in <i>Drosophila</i> Cells Identifies G Protein-Coupled Receptor Kinase 2 as a Conserved Regulator of NF- $\kappa$ B Signaling. <i>Journal of Immunology</i> , 2010, 184, 6188-6198.	0.8	88
50	Convergent Evolution of Argonaute-2 Slicer Antagonism in Two Distinct Insect RNA Viruses. <i>PLoS Pathogens</i> , 2012, 8, e1002872.	4.7	86
51	Helix pomatia Lectin, an Inducer of <i>Drosophila</i> Immune Response, Binds to Hemomucin, a Novel Surface Mucin. <i>Journal of Biological Chemistry</i> , 1996, 271, 12708-12715.	3.4	83
52	The lysozyme locus in <i>Drosophila melanogaster</i> : different genes are expressed in midgut and salivary glands. <i>Molecular Genetics and Genomics</i> , 1992, 232, 335-343.	2.4	79
53	Ancient relationships. <i>Nature</i> , 1994, 367, 116-117.	27.8	69
54	Cysteine proteinase 1 (CP1), a cathepsin L-like enzyme expressed in the <i>Drosophila melanogaster</i> haemocyte cell line mbn-2. <i>Insect Molecular Biology</i> , 1997, 6, 173-181.	2.0	69

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55	Control of <i>Drosophila</i> Blood Cell Activation via Toll Signaling in the Fat Body. <i>PLoS ONE</i> , 2014, 9, e102568.	2.5	67
56	Evolution of Genes and Repeats in the Nimrod Superfamily. <i>Molecular Biology and Evolution</i> , 2008, 25, 2337-2347.	8.9	64
57	The <i>Drosophila</i> Nora virus is an enteric virus, transmitted via feces. <i>Journal of Invertebrate Pathology</i> , 2009, 101, 29-33.	3.2	55
58	Cell-free immunity in insects. <i>Trends in Biochemical Sciences</i> , 1981, 6, 306-309.	7.5	52
59	Cofilin regulator 14-3-3 $\hat{\eta}$ is an evolutionarily conserved protein required for phagocytosis and microbial resistance. <i>Journal of Leukocyte Biology</i> , 2011, 89, 649-659.	3.3	47
60	The N-terminal half of the <i>Drosophila</i> Rel/NF- $\hat{\kappa}$ B factor Relish, REL-68, constitutively activates transcription of specific Relish target genes. <i>Developmental and Comparative Immunology</i> , 2009, 33, 690-696.	2.3	43
61	Reciprocal regulation of Rac1 and Rho1 in <i>Drosophila</i> circulating immune surveillance cells. <i>Journal of Cell Science</i> , 2007, 120, 502-511.	2.0	42
62	HLH106, a <i>Drosophila</i> transcription factor with similarity to the vertebrate sterol responsive element binding protein.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 1195-1199.	7.1	41
63	<i>Drosophila</i> muscles regulate the immune response against wasp infection via carbohydrate metabolism. <i>Scientific Reports</i> , 2017, 7, 15713.	3.3	41
64	Misfolded transthyretin causes behavioral changes in a <i>Drosophila</i> model for transthyretin-associated amyloidosis. <i>European Journal of Neuroscience</i> , 2007, 26, 913-924.	2.6	40
65	TER94, a <i>Drosophila</i> homolog of the membrane fusion protein CDC48/p97, is accumulated in nonproliferating cells: in the reproductive organs and in the brain of the imago. <i>Insect Biochemistry and Molecular Biology</i> , 1998, 28, 91-98.	2.7	38
66	The <i>Drosophila</i> NFAT homolog is involved in salt stress tolerance. <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 356-362.	2.7	38
67	Edin Expression in the Fat Body Is Required in the Defense Against Parasitic Wasps in <i>Drosophila melanogaster</i> . <i>PLoS Pathogens</i> , 2015, 11, e1004895.	4.7	33
68	Tissue communication in a systemic immune response of <i>Drosophila</i> . <i>Fly</i> , 2016, 10, 115-122.	1.7	33
69	A rapid rosetting method for separation of hemocyte sub-populations of <i>Drosophila melanogaster</i> . <i>Developmental and Comparative Immunology</i> , 2004, 28, 555-563.	2.3	30
70	A humoral stress response in <i>Drosophila</i> . <i>Current Biology</i> , 2001, 11, 1479.	3.9	26
71	Nora Virus Persistent Infections Are Not Affected by the RNAi Machinery. <i>PLoS ONE</i> , 2009, 4, e5731.	2.5	26
72	Enteric Bacteria Counteract Lipopolysaccharide Induction of Antimicrobial Peptide Genes. <i>Journal of Immunology</i> , 2001, 167, 6920-6923.	0.8	24

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73	FKBP39, a Drosophila member of a family of proteins that bind the immunosuppressive drug FK506. <i>Gene</i> , 1995, 156, 247-251.	2.2	21
74	RNA Silencing in the Antiviral Innate Immune Defence – Role of DEAD-box RNA Helicases. <i>Scandinavian Journal of Immunology</i> , 2010, 71, 146-158.	2.7	21
75	The RhoGEF Zizimin-related acts in the Drosophila cellular immune response via the Rho GTPases Rac2 and Cdc42. <i>Developmental and Comparative Immunology</i> , 2012, 38, 160-168.	2.3	20
76	Drosophila Nora virus capsid proteins differ from those of other picorna-like viruses. <i>Virus Research</i> , 2011, 160, 51-58.	2.2	18
77	Dichloro-p-nitroanisole O-demethylase – A convenient assay for microsomal mixed function oxidase in isolated rat hepatocytes. <i>Biochemical Pharmacology</i> , 1978, 27, 1129-1134.	4.4	17
78	Expression pattern of Filamin-240 in Drosophila blood cells. <i>Gene Expression Patterns</i> , 2006, 6, 928-934.	0.8	16
79	Ethanol inhibition of vinyl chloride metabolism in isolated eat hepatocytes. <i>Chemico-Biological Interactions</i> , 1979, 25, 1-6.	4.0	14
80	Dichloro-p-nitroanisole O-demethylase – II. Evidence for separate ethanol inhibited and phenobarbital-inducible enzymes. <i>Biochemical Pharmacology</i> , 1979, 28, 1587-1590.	4.4	14
81	Uptake of Aggregating Transthyretin by Fat Body in a Drosophila Model for TTR-Associated Amyloidosis. <i>PLoS ONE</i> , 2010, 5, e14343.	2.5	14
82	Drosophila Immunity: Is Antigen Processing the First Step?. <i>Current Biology</i> , 2007, 17, R22-R24.	3.9	13
83	Functional Characterization of the Infection-Inducible Peptide Edin in Drosophila melanogaster. <i>PLoS ONE</i> , 2012, 7, e37153.	2.5	13
84	Genetic Screen in Drosophila Larvae Links ird1 Function to Toll Signaling in the Fat Body and Hemocyte Motility. <i>PLoS ONE</i> , 2016, 11, e0159473.	2.5	9
85	<i>Drosophila</i> as a Model System for Antibacterial Peptides. <i>Novartis Foundation Symposium</i> , 1994, 186, 107-122.	1.1	9
86	A Novel Strategy for Live Detection of Viral Infection in Drosophila melanogaster. <i>Scientific Reports</i> , 2016, 6, 26250.	3.3	7
87	Drosophila immunity – Glorious past, dynamic present and exciting future. <i>Developmental and Comparative Immunology</i> , 2014, 42, 1-2.	2.3	6
88	A Cytokine in the Drosophila Stress Response. <i>Developmental Cell</i> , 2003, 5, 360-361.	7.0	5
89	Editorial: Recent Advances in Drosophila Cellular and Humoral Innate Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 598618.	4.8	5
90	Broad Ultrastructural and Transcriptomic Changes Underlie the Multinucleated Giant Hemocyte Mediated Innate Immune Response against Parasitoids. <i>Journal of Innate Immunity</i> , 2022, 14, 335-354.	3.8	5

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91	Humoral immune response of <i>Simulium damnosum</i> s.l. following filarial and bacterial infections. <i>Parasitology</i> , 2002, 125, 359-66.	1.5	4
92	VP3 is crucial for the stability of Nora virus virions. <i>Virus Research</i> , 2016, 223, 20-27.	2.2	4
93	Nora virus, a persistent virus in <i>Drosophila</i> , defines a new picorna-like virus family. <i>Journal of General Virology</i> , 2007, 88, 3493-3493.	2.9	3
94	Structure of Nora virus at 2.7Å... resolution and implications for receptor binding, capsid stability and taxonomy. <i>Scientific Reports</i> , 2020, 10, 19675.	3.3	3
95	New ways to make a blood cell. <i>ELife</i> , 2015, 4, .	6.0	0