Yoichi Hayakawa

List of Publications by Year
in descending order

60 papers	1,403 citations	236925 25 h-index	361022 35 g-index
61 all docs	61 docs citations	61 times ranked	861 citing authors

#	Article	IF	Citations
1	Growth-blocking peptide: an insect biogenic peptide that prevents the onset of metamorphosis. Journal of Insect Physiology, 1995, 41, 1-6.	2.0	80
2	Switching between humoral and cellular immune responses in Drosophila is guided by the cytokine GBP. Nature Communications, 2014, 5, 4628.	12.8	64
3	Temperature-dependent interconversion between glycogen and trehalose in diapausing pupae of Philosamia cynthia ricini and pryeri. Insect Biochemistry, 1981, 11, 43-47.	1.8	61
4	Drosophila growth-blocking peptide-like factor mediates acute immune reactions during infectious and non-infectious stress. Scientific Reports, 2012, 2, 210.	3.3	59
5	Cell Growth Activity of Growth-Blocking Peptide. Biochemical and Biophysical Research Communications, 1998, 250, 194-199.	2.1	52
6	Insect Cytokine Growth-blocking Peptide Triggers a Termination System of Cellular Immunity by Inducing Its Binding Protein. Journal of Biological Chemistry, 2003, 278, 38579-38585.	3.4	52
7	Envelope Protein of Parasitic Wasp Symbiont Virus, Polydnavirus, Protects the Wasp Eggs from Cellular Immune Reactions by the Host Insect. FEBS Journal, 1997, 246, 820-826.	0.2	41
8	Growth-blocking peptide titer during larval development of parasitized and cold-stressed armyworm. Insect Biochemistry and Molecular Biology, 1995, 25, 1121-1127.	2.7	38
9	Structure and Activity of the Insect Cytokine Growth-blocking Peptide. Journal of Biological Chemistry, 2001, 276, 31813-31818.	3.4	38
10	Growth-blocking peptide or polydnavirus effects on the last instar larvae of some insect species. Insect Biochemistry and Molecular Biology, 1993, 23, 225-231.	2.7	37
11	Molecular cloning and characterization of cDNA for insect biogenic peptide, growth-blocking peptide. FEBS Letters, 1995, 376, 185-189.	2.8	36
12	Cytokine signaling through <i>Drosophila</i> Mthl10 ties lifespan to environmental stress. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13786-13791.	7.1	36
13	Solution Structure of an Insect Growth Factor, Growth-blocking Peptide. Journal of Biological Chemistry, 1999, 274, 1887-1890.	3.4	34
14	Structure of the Insect Cytokine Peptide Plasmatocyte-spreading Peptide 1 from Pseudoplusia includens. Journal of Biological Chemistry, 1999, 274, 4493-4496.	3.4	34
15	A Novel Peptide Mediates Aggregation and Migration of Hemocytes from an Insect. Current Biology, 2009, 19, 779-785.	3.9	34
16	Characteristics common to a cytokine family spanning five orders of insects. Insect Biochemistry and Molecular Biology, 2012, 42, 446-454.	2.7	34
17	Gain of long tonic immobility behavioral trait causes the red flour beetle to reduce anti-stress capacity. Journal of Insect Physiology, 2014, 60, 92-97.	2.0	33
18	Adaptor protein is essential for insect cytokine signaling in hemocytes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15862-15867.	7.1	32

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19	Growth-blocking peptide expressed in the insect nervous system. Cloning and functional characterization. FEBS Journal, 1998, 253, 810-816.	0.2	31
20	Insect cytokine, growth-blocking peptide, is a primary regulator of melanin-synthesis enzymes in armyworm larval cuticle. FEBS Journal, 2007, 274, 1768-1777.	4.7	30
21	Identification of a Novel Gene, Anorexia, Regulating Feeding Activity via Insulin Signaling in Drosophila melanogaster. Journal of Biological Chemistry, 2011, 286, 38417-38426.	3.4	28
22	Heat stress hardening of oriental armyworms is induced by a transient elevation of reactive oxygen species during sublethal stress. Archives of Insect Biochemistry and Physiology, 2017, 96, e21421.	1.5	28
23	Characterization of Receptors of Insect Cytokine, Growth-blocking Peptide, in Human Keratinocyte and Insect Sf9 Cells. Journal of Biological Chemistry, 2001, 276, 37974-37979.	3.4	27
24	Detailed characterization of polydnavirus immunoevasive proteins in an endoparasitoid wasp. FEBS Journal, 2002, 269, 2557-2566.	0.2	27
25	Mechanisms of black and white stripe pattern formation in the cuticles of insect larvae. Journal of Insect Physiology, 2006, 52, 638-645.	2.0	27
26	Enhanced expression of stress-responsive cytokine-like gene retards insect larval growth. Insect Biochemistry and Molecular Biology, 2012, 42, 183-192.	2.7	26
27	Alanine-scanning Mutagenesis of Plasmatocyte Spreading Peptide Identifies Critical Residues for Biological Activity. Journal of Biological Chemistry, 2001, 276, 18491-18496.	3.4	25
28	N-terminal Residues of Plasmatocyte-spreading Peptide Possess Specific Determinants Required for Biological Activity. Journal of Biological Chemistry, 2001, 276, 37431-37435.	3.4	25
29	Solution structure of paralytic peptide of silkworm, Bombyx mori. Peptides, 2002, 23, 2111-2116.	2.4	23
30	VENOM COMPONENTS OF <i>Asobara japonica</i> IMPAIR CELLULAR IMMUNE RESPONSES OF HOST <i>Drosophila melanogaster</i>. Archives of Insect Biochemistry and Physiology, 2013, 83, 86-100.	1.5	23
31	A cytokine secreted from the suboesophageal body is essential for morphogenesis of the insect head. Mechanisms of Development, 2005, 122, 189-197.	1.7	22
32	Insect cytokine growthâ€blocking peptide signaling cascades regulate two separate groups of target genes. FEBS Journal, 2008, 275, 894-902.	4.7	21
33	Bacteria Endosymbiont, Wolbachia, Promotes Parasitism of Parasitoid Wasp Asobara japonica. PLoS ONE, 2015, 10, e0140914.	2.5	21
34	Mechanism of parasitism-induced elevation of haemolymph growth-blocking peptide levels in host insect larvae (Pseudaletia separata). Journal of Insect Physiology, 1998, 44, 859-866.	2.0	19
35	Insect cytokine growth-blocking peptide (GBP) regulates insect development. Applied Entomology and Zoology, 2006, 41, 545-554.	1.2	19
36	A Eukaryotic (Insect) Tricistronic mRNA Encodes Three Proteins Selected by Context-dependent Scanning. Journal of Biological Chemistry, 2010, 285, 36933-36944.	3.4	19

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37	Identification of a cytokine combination that protects insects from stress. Insect Biochemistry and Molecular Biology, 2018, 97, 19-30.	2.7	19
38	<i>N</i>â€acetylâ€<scp>l</scp>â€tyrosine is an intrinsic triggering factor of mitohormesis in stressed animals. EMBO Reports, 2020, 21, e49211.	4.5	19
39	Identification of a Gene, Desiccate, Contributing to Desiccation Resistance in Drosophila melanogaster*. Journal of Biological Chemistry, 2010, 285, 38889-38897.	3.4	15
40	Activation of PLC by an endogenous cytokine (GBP) in <i>Drosophila</i> S3 cells and its application as a model for studying inositol phosphate signalling through ITPK1. Biochemical Journal, 2012, 448, 273-283.	3.7	13
41	Identification and functional characterization of a novel locust peptide belonging to the family of insect growth blocking peptides. Peptides, 2015, 74, 23-32.	2.4	13
42	A gene involved in the food preferences of larval Drosophila melanogaster. Journal of Insect Physiology, 2008, 54, 1440-1445.	2.0	11
43	Regulation of growth-blocking peptide expression during embryogenesis of the cabbage armyworm. Biochemical and Biophysical Research Communications, 2005, 335, 1078-1084.	2.1	9
44	Functional Multiplicity of an Insect Cytokine Family Assists Defense Against Environmental Stress. Frontiers in Physiology, 2019, 10, 222.	2.8	9
45	Analysis in the course of polydnavirus replication in ovarian calyx cells of the parasitoid wasp, Cotesia kariyai (Hymenoptera: Braconidae).. Applied Entomology and Zoology, 2002, 37, 323-328.	1.2	8
46	Immunoevasive protein (IEP)-containing surface layer covering polydnavirus particles is essential for viral infection. Journal of Invertebrate Pathology, 2014, 115, 26-32.	3.2	8
47	Function of desiccate in gustatory sensilla of drosophila melanogaster. Scientific Reports, 2015, 5, 17195.	3.3	8
48	Characterization of Venom and Oviduct Components of Parasitoid Wasp Asobara japonica. PLoS ONE, 2016, 11, e0160210.	2.5	8
49	The Gly-Gly Linker Region of the Insect Cytokine Growth-blocking Peptide Is Essential for Activity. Journal of Biological Chemistry, 2004, 279, 51331-51337.	3.4	6
50	Analysis of Hunger-Driven Gene Expression in the Drosophila melanogaster Larval Central Nervous System. Zoological Science, 2008, 25, 746-752.	0.7	6
51	The Drosophila cytokine, GBP: A model that illuminates the yin-yang of inflammation and longevity in humans?. Cytokine, 2018, 110, 298-300.	3.2	4
52	Changes of RNA virus infection rates and gut microbiota in young worker Apis mellifera (Hymenoptera: Apidae) of a chalkbrood-infected colony after a pollination task in a greenhouse. Applied Entomology and Zoology, 2014, 49, 395-402.	1.2	2
53	A geneâ€driven recovery mechanism: <i>Drosophila</i> larvae increase feeding activity for postâ€stress weight recovery. Archives of Insect Biochemistry and Physiology, 2018, 97, e21440.	1.5	2
54	N-acetyltyrosine-induced redox signaling in hormesis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118990.	4.1	2

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55	Stress-derived reactive oxygen species enable hemocytes to release activator of growth blocking peptide (GBP) processing enzyme. Journal of Insect Physiology, 2021, 131, 104225.	2.0	2
56	Cells expressing <i>Desiccate</i> are essential for morphogenesis of labial sensilla in <i>Drosophila melanogaster</i> adults. Entomological Science, 2011, 14, 183-191.	0.6	1
57	Comments to Recent Studies Showing Systemic Mechanisms Enabling Drosophila Larvae to Recover From Stress-Induced Damages. International Journal of Insect Science, 2018, 10, 117954331879589.	1.7	1
58	Repeated phenotypic selection for cuticular blackness of armyworm larvae decreased stress resistance. Journal of Insect Physiology, 2019, 117, 103889.	2.0	1
59	Growth Blocking Peptide. , 2016, , 471-e82-6.		0
60	Growth blocking peptide. , 2021, , 851-854.		0