# Yoichi Hayakawa

List of Publications by Year
in descending order



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|---|---|---|---|
| 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. , 2021, , 851-854. | | 0 |
| 2 | N-acetyltyrosine-induced redox signaling in hormesis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118990. | 4.1 | 2 |
| 3 | 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 |
| 4 | <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 |
| 5 | Repeated phenotypic selection for cuticular blackness of armyworm larvae decreased stress resistance. Journal of Insect Physiology, 2019, 117, 103889. | 2.0 | 1 |
| 6 | Functional Multiplicity of an Insect Cytokine Family Assists Defense Against Environmental Stress. Frontiers in Physiology, 2019, 10, 222. | 2.8 | 9 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Identification of a cytokine combination that protects insects from stress. Insect Biochemistry and Molecular Biology, 2018, 97, 19-30. | 2.7 | 19 |
| 11 | 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 |
| 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 | Growth Blocking Peptide. , 2016, , 471-e82-6. | | 0 |
| 14 | Characterization of Venom and Oviduct Components of Parasitoid Wasp Asobara japonica. PLoS ONE, 2016, 11, e0160210. | 2.5 | 8 |
| 15 | Function of desiccate in gustatory sensilla of drosophila melanogaster. Scientific Reports, 2015, 5, 17195. | 3.3 | 8 |
| 16 | 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 |
| 17 | Bacteria Endosymbiont, Wolbachia, Promotes Parasitism of Parasitoid Wasp Asobara japonica. PLoS ONE, 2015, 10, e0140914. | 2.5 | 21 |
| 18 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Switching between humoral and cellular immune responses in Drosophila is guided by the cytokine GBP. Nature Communications, 2014, 5, 4628. | 12.8 | 64 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Enhanced expression of stress-responsive cytokine-like gene retards insect larval growth. Insect Biochemistry and Molecular Biology, 2012, 42, 183-192. | 2.7 | 26 |
| 25 | Characteristics common to a cytokine family spanning five orders of insects. Insect Biochemistry and Molecular Biology, 2012, 42, 446-454. | 2.7 | 34 |
| 26 | Drosophila growth-blocking peptide-like factor mediates acute immune reactions during infectious and non-infectious stress. Scientific Reports, 2012, 2, 210. | 3.3 | 59 |
| 27 | 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 |
| 28 | 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 |
| 29 | Identification of a Gene, Desiccate, Contributing to Desiccation Resistance in Drosophila melanogaster*. Journal of Biological Chemistry, 2010, 285, 38889-38897. | 3.4 | 15 |
| 30 | A Eukaryotic (Insect) Tricistronic mRNA Encodes Three Proteins Selected by Context-dependent Scanning. Journal of Biological Chemistry, 2010, 285, 36933-36944. | 3.4 | 19 |
| 31 | 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 |
| 32 | A Novel Peptide Mediates Aggregation and Migration of Hemocytes from an Insect. Current Biology, 2009, 19, 779-785. | 3.9 | 34 |
| 33 | Insect cytokine growthâ€blocking peptide signaling cascades regulate two separate groups of target genes. FEBS Journal, 2008, 275, 894-902. | 4.7 | 21 |
| 34 | A gene involved in the food preferences of larval Drosophila melanogaster. Journal of Insect Physiology, 2008, 54, 1440-1445. | 2.0 | 11 |
| 35 | Analysis of Hunger-Driven Gene Expression in the Drosophila melanogaster Larval Central Nervous System. Zoological Science, 2008, 25, 746-752. | 0.7 | 6 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Insect cytokine growth-blocking peptide (GBP) regulates insect development. Applied Entomology and Zoology, 2006, 41, 545-554. | 1.2 | 19 |
| 38 | 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 |
| 39 | Regulation of growth-blocking peptide expression during embryogenesis of the cabbage armyworm. Biochemical and Biophysical Research Communications, 2005, 335, 1078-1084. | 2.1 | 9 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Solution structure of paralytic peptide of silkworm, Bombyx mori. Peptides, 2002, 23, 2111-2116. | 2.4 | 23 |
| 45 | Detailed characterization of polydnavirus immunoevasive proteins in an endoparasitoid wasp. FEBS Journal, 2002, 269, 2557-2566. | 0.2 | 27 |
| 46 | 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 |
| 47 | Alanine-scanning Mutagenesis of Plasmatocyte Spreading Peptide Identifies Critical Residues for Biological Activity. Journal of Biological Chemistry, 2001, 276, 18491-18496. | 3.4 | 25 |
| 48 | Structure and Activity of the Insect Cytokine Growth-blocking Peptide. Journal of Biological Chemistry, 2001, 276, 31813-31818. | 3.4 | 38 |
| 49 | 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 |
| 50 | Solution Structure of an Insect Growth Factor, Growth-blocking Peptide. Journal of Biological Chemistry, 1999, 274, 1887-1890. | 3.4 | 34 |
| 51 | Structure of the Insect Cytokine Peptide Plasmatocyte-spreading Peptide 1 from Pseudoplusia includens. Journal of Biological Chemistry, 1999, 274, 4493-4496. | 3.4 | 34 |
| 52 | 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 |
| 53 | Growth-blocking peptide expressed in the insect nervous system. Cloning and functional characterization. FEBS Journal, 1998, 253, 810-816. | 0.2 | 31 |
| 54 | Cell Growth Activity of Growth-Blocking Peptide. Biochemical and Biophysical Research Communications, 1998, 250, 194-199. | 2.1 | 52 |

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|---|---|---|---|
| 55 | 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 |
| 56 | Growth-blocking peptide: an insect biogenic peptide that prevents the onset of metamorphosis. Journal of Insect Physiology, 1995, 41, 1-6. | 2.0 | 80 |
| 57 | 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 |
| 58 | Molecular cloning and characterization of cDNA for insect biogenic peptide, growth-blocking peptide. FEBS Letters, 1995, 376, 185-189. | 2.8 | 36 |
| 59 | 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 |
| 60 | 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 |