Yonggyun Kim

List of Publications by Year
in descending order

182 papers	4,780 citations	87723 38 h-index	143772 57 g-index
189 all docs	189 docs citations	189 times ranked	1894 citing authors

#	Article	IF	Citations
1	Toll signal pathway activating eicosanoid biosynthesis shares its conserved upstream recognition components in a lepidopteran Spodoptera exigua upon infection by Metarhizium rileyi, an entomopathogenic fungus. Journal of Invertebrate Pathology, 2022, 188, 107707.	1.5	8
2	Thelytokous Reproduction of Onion Thrips, Thrips tabaci Lindeman 1889, Infesting Welsh Onion and Genetic Variation among Their Subpopulations. Insects, 2022, 13, 78.	1.0	7
3	HMG-Like DSP1 Mediates Immune Responses of the Western Flower Thrips (Frankliniella occidentalis) Against Beauveria bassiana, a Fungal Pathogen. Frontiers in Immunology, 2022, 13, 875239.	2.2	6
4	Global analysis of biosynthetic gene clusters reveals conserved and unique natural products in entomopathogenic nematode-symbiotic bacteria. Nature Chemistry, 2022, 14, 701-712.	6.6	42
5	Chymotrypsin is a molecular target of insect resistance of three corn varieties against the Asian corn borer, Ostrinia furnacalis. PLoS ONE, 2022, 17, e0266751.	1.1	1
6	HMGB1-Like Dorsal Switch Protein 1 Triggers a Damage Signal in Mosquito Gut to Activate Dual Oxidase via Eicosanoids. Journal of Innate Immunity, 2022, 14, 657-672.	1.8	11
7	Phurealipids, produced by the entomopathogenic bacteria, Photorhabdus, mimic juvenile hormone to suppress insect immunity and immature development. Journal of Invertebrate Pathology, 2022, 193, 107799.	1.5	3
8	The first report of prostacyclin and its physiological roles in insects. General and Comparative Endocrinology, 2021, 301, 113659.	0.8	15
9	An ovaryâ€specific mucin is associated with choriogenesis mediated by prostaglandin signaling in Spodoptera exigua. Archives of Insect Biochemistry and Physiology, 2021, 106, e21748.	0.6	8
10	Eicosanoid Signaling in Insect Immunology: New Genes and Unresolved Issues. Genes, 2021, 12, 211.	1.0	43
11	Immune mediation of HMG-like DSP1 via Toll-SpÃtzle pathway and its specific inhibition by salicylic acid analogs. PLoS Pathogens, 2021, 17, e1009467.	2.1	18
12	Eicosanoidâ€induced calcium signaling mediates cellular immune responses of Tenebrio molitor. Entomologia Experimentalis Et Applicata, 2021, 169, 888-898.	0.7	4
13	Antiviral Treatment Reveals a Cooperative Pathogenicity of Baculovirus and Iflavirus in Spodoptera exigua, a Lepidopteran Insect. Journal of Microbiology and Biotechnology, 2021, 31, 529-539.	0.9	3
14	HMGB1â€like dorsal switch protein 1 of the mealworm, Tenebrio molitor, acts as a damageâ€associated molecular pattern. Archives of Insect Biochemistry and Physiology, 2021, 107, e21795.	0.6	13
15	Repat33 Acts as a Downstream Component of Eicosanoid Signaling Pathway Mediating Immune Responses of Spodoptera exigua, a Lepidopteran Insect. Insects, 2021, 12, 449.	1.0	3
16	Horizontally transmitted parasitoid killing factor shapes insect defense to parasitoids. Science, 2021, 373, 535-541.	6.0	23
17	Physiological Alterations in Deletion Mutants of Two Insulin-Like Peptides Encoded in Maruca vitrata Using CRISPR/Cas9. Frontiers in Physiology, 2021, 12, 701616.	1.3	5
18	The prostanoids, thromboxanes, mediate hemocytic immunity to bacterial infection in the lepidopteran Spodoptera exigua. Developmental and Comparative Immunology, 2021, 120, 104069.	1.0	4

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19	First report of insulin receptor in thysanoptera and its expression variation with development of western flower thrips, Frankliniella occidentalis. Journal of Asia-Pacific Entomology, 2021, , .	0.4	2
20	PGE2 mediates hemocyte-spreading behavior by activating aquaporin via cAMP and rearranging actin cytoskeleton via Ca2+. Developmental and Comparative Immunology, 2021, 125, 104230.	1.0	12
21	Salicylic Acid, a Plant Hormone, Suppresses Phytophagous Insect Immune Response by Interrupting HMG-Like DSP1. Frontiers in Physiology, 2021, 12, 744272.	1.3	21
22	CRISPR/Cas9 mutagenesis against sex pheromone biosynthesis leads to loss of female attractiveness in Spodoptera exigua, an insect pestt. PLoS ONE, 2021, 16, e0259322.	1.1	5
23	Thromboxane Mobilizes Insect Blood Cells to Infection Foci. Frontiers in Immunology, 2021, 12, 791319.	2.2	5
24	Alteration of insulin signaling to control insect pest by using transformed bacteria expressing dsRNA. Pest Management Science, 2020, 76, 1020-1030.	1.7	23
25	Deletion mutant of sPLA2 using CRISPR/Cas9 exhibits immunosuppression, developmental retardation, and failure of oocyte development in legume pod borer, Maruca vitrata. Developmental and Comparative Immunology, 2020, 103, 103500.	1.0	9
26	Why most insects have very low proportions of C20 polyunsaturated fatty acids: The oxidative stress hypothesis. Archives of Insect Biochemistry and Physiology, 2020, 103, e21622.	0.6	16
27	Host Immunosuppression Induced by Steinernema feltiae, an Entomopathogenic Nematode, through Inhibition of Eicosanoid Biosynthesis. Insects, 2020, 11, 33.	1.0	9
28	Prostaglandin D2 synthase and its functional association with immune and reproductive processes in a lepidopteran insect, Spodoptera exigua. General and Comparative Endocrinology, 2020, 287, 113352.	0.8	17
29	Characterization of the first insect prostaglandin (PGE2) receptor: MansePGE2R is expressed in oenocytoids and lipoteichoic acid (LTA) increases transcript expression. Insect Biochemistry and Molecular Biology, 2020, 117, 103290.	1.2	19
30	Functional interaction of bacterial virulence factors of Xenorhabdus nematophila with a calcium-independent cytosolic PLA2 of Spodoptera exigua. Journal of Invertebrate Pathology, 2020, 169, 107309.	1.5	1
31	EpOMEs act as immune suppressors in a lepidopteran insect, Spodoptera exigua. Scientific Reports, 2020, 10, 20183.	1.6	22
32	Variations of Indole Metabolites and NRPS-PKS Loci in Two Different Virulent Strains of Xenorhabdus hominickii. Frontiers in Microbiology, 2020, 11, 583594.	1.5	14
33	Virulent secondary metabolites of entomopathogenic bacteria genera, Xenorhabdus and Photorhabdus, inhibit phospholipase A2 to suppress host insect immunity. BMC Microbiology, 2020, 20, 359.	1.3	22
34	PGE ₂ upregulates gene expression of dual oxidase in a lepidopteran insect midgut via cAMP signalling pathway. Open Biology, 2020, 10, 200197.	1.5	14
35	Immunosuppressive Activities of Novel PLA2 Inhibitors from Xenorhabdus hominickii, an Entomopathogenic Bacterium. Insects, 2020, 11, 505.	1.0	8
36	Development, Reproduction, and Life Table Parameters of the Foxglove Aphid, Aulacorthum solani Kaltenbach (Hemiptera: Aphididae), on Soybean at Constant Temperatures. Insects, 2020, 11, 296.	1.0	6

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37	Deletion mutant of PGE2 receptor using CRISPR-Cas9 exhibits larval immunosuppression and adult infertility in a lepidopteran insect, Spodoptera exigua. Developmental and Comparative Immunology, 2020, 111, 103743.	1.0	25
38	Tolerance of the mealworm beetle, Tenebrio molitor, to an entomopathogenic nematode, Steinernema feltiae, at two infection foci, the intestine and the hemocoel. Journal of Invertebrate Pathology, 2020, 174, 107428.	1.5	3
39	sPLA₂ behaves like a prophylactic agent and mediates cellular and humoral immune responses in Plutella xylostella. Archives of Insect Biochemistry and Physiology, 2020, 104, e21670.	0.6	2
40	Biosynthesis and immunity of epoxyeicosatrienoic acids in a lepidopteran insect, Spodoptera exigua. Developmental and Comparative Immunology, 2020, 107, 103643.	1.0	15
41	Benzylideneacetone and other phenylethylamide bacterial metabolites induce apoptosis to kill insects. Journal of Asia-Pacific Entomology, 2020, 23, 449-457.	0.4	12
42	Dual Oxidase-Derived Reactive Oxygen Species Against Bacillus thuringiensis and Its Suppression by Eicosanoid Biosynthesis Inhibitors. Frontiers in Microbiology, 2020, 11, 528.	1.5	20
43	Prostaglandin catabolism in Spodoptera exigua, a lepidopteran insect. Journal of Experimental Biology, 2020, 223, .	0.8	5
44	Insulinâ€like peptides of the legume pod borer, Maruca vitrata, and their mediation effects on hemolymph trehalose level, larval development, and adult reproduction. Archives of Insect Biochemistry and Physiology, 2019, 100, e21524.	0.6	8
45	Hemolin, an immunoglobulin-like peptide, opsonizes nonself targets for phagocytosis and encapsulation in Spodoptera exigua, a lepidopteran insect. Journal of Asia-Pacific Entomology, 2019, 22, 947-956.	0.4	11
46	Insulin signaling mediates previtellogenic development and enhances juvenile hormone-mediated vitellogenesis in a lepidopteran insect, Maruca vitrata. BMC Developmental Biology, 2019, 19, 14.	2.1	31
47	Overexpression of PGE2 synthase by in vivo transient expression enhances immunocompetency along with fitness cost in a lepidopteran insect. Journal of Experimental Biology, 2019, 222, .	0.8	3
48	PGE₂ mediates cytoskeletal rearrangement of hemocytes via Cdc42, a small G protein, to activate actinâ€remodeling factors in Spodoptera exigua (Lepidoptera: Noctuidae). Archives of Insect Biochemistry and Physiology, 2019, 102, e21607.	0.6	14
49	Variation in pathogenicity of different strains of Xenorhabdus nematophila; Differential immunosuppressive activities and secondary metabolite production. Journal of Invertebrate Pathology, 2019, 166, 107221.	1.5	34
50	Biosynthetic pathway of arachidonic acid in Spodoptera exigua in response to bacterial challenge. Insect Biochemistry and Molecular Biology, 2019, 111, 103179.	1.2	30
51	Discrimination of different generations of Zeugodacus scutellata using age grading technique and their local genetic variation. Journal of Asia-Pacific Entomology, 2019, 22, 908-915.	0.4	1
52	Toll/IMD signal pathways mediate cellular immune responses via induction of intracellular PLA 2 expression. Archives of Insect Biochemistry and Physiology, 2019, 101, e21559.	0.6	7
53	An aquaporin mediates cell shape change required for cellular immunity in the beet armyworm, Spodoptera exigua. Scientific Reports, 2019, 9, 4988.	1.6	15
54	Inhibition of prostaglandin biosynthesis leads to suppressed ovarian development in Spodoptera exigua. Journal of Insect Physiology, 2019, 114, 83-91.	0.9	17

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55	Insect prostaglandins and other eicosanoids: From molecular to physiological actions. Advances in Insect Physiology, 2019, , 283-343.	1.1	19
56	A prophylactic role of a secretory PLA2 of Spodoptera exigua against entomopathogens. Developmental and Comparative Immunology, 2019, 95, 108-117.	1.0	14
57	Survival and life table parameters of soybean pod borerMaruca vitrata(Geyer) (Lepidoptera: Crambidae) on leguminous crop cultivars. Entomological Research, 2019, 49, 483-489.	0.6	2
58	Phenylethylamides derived from bacterial secondary metabolites specifically inhibit an insect serotonin receptor. Scientific Reports, 2019, 9, 20358.	1.6	10
59	Toll immune signal activates cellular immune response via eicosanoids. Developmental and Comparative Immunology, 2018, 84, 408-419.	1.0	26
60	Nitric Oxide Mediates Insect Cellular Immunity via Phospholipase A2 Activation. Journal of Innate Immunity, 2018, 10, 70-81.	1.8	37
61	Eicosanoid-mediated immunity in insects. Developmental and Comparative Immunology, 2018, 83, 130-143.	1.0	108
62	Eicosanoid mediation of immune responses at early bacterial infection stage and its inhibition by Photorhabdus temperata subsp. temperata, an entomopathogenic bacterium. Archives of Insect Biochemistry and Physiology, 2018, 99, e21502.	0.6	19
63	An Insect Prostaglandin E2 Synthase Acts in Immunity and Reproduction. Frontiers in Physiology, 2018, 9, 1231.	1.3	41
64	Application of insulin signaling to predict insect growth rate in Maruca vitrata (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	1.1	15
65	Identification of an entomopathogenic bacterium, Xenorhabdus ehlersii KSY, from Steinernema longicaudum GNUS101 and its immunosuppressive activity against insect host by inhibiting eicosanoid biosynthesis. Journal of Invertebrate Pathology, 2018, 159, 6-17.	1.5	10
66	Simultaneous mating disruption of two Grapholita species in apple orchards. Journal of Asia-Pacific Entomology, 2018, 21, 1144-1152.	0.4	2
67	Differential immunosuppression by inhibiting PLA2 affects virulence of Xenorhabdus hominickii and Photorhabdus temperata temperata. Journal of Invertebrate Pathology, 2018, 157, 136-146.	1.5	17
68	Regulation of hemolymph trehalose titers by insulin signaling in the legume pod borer, Maruca vitrata (Lepidoptera: Crambidae). Peptides, 2018, 106, 28-36.	1.2	21
69	Persistent expression of Cotesia plutellae bracovirus genes in parasitized host, Plutella xylostella. PLoS ONE, 2018, 13, e0200663.	1.1	0
70	A non-venomous sPLA2 of a lepidopteran insect: Its physiological functions in development and immunity. Developmental and Comparative Immunology, 2018, 89, 83-92.	1.0	45
71	Prostaglandins and Other Eicosanoids in Insects: Biosynthesis and Biological Actions. Frontiers in Physiology, 2018, 9, 1927.	1.3	79
72	Nitric oxide mediates antimicrobial peptide gene expression by activating eicosanoid signaling. PLoS ONE, 2018, 13, e0193282.	1.1	18

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73	Screening Technique of Effective Insecticides against the Striped Fruit Fly, Bactrocera scutellata. Nong'yag Gwahag Hoeji, 2018, 22, 29-35.	0.1	0
74	Identification and bacterial characteristics of Xenorhabdus hominickii ANU101 from an entomopathogenic nematode, Steinernema monticolum. Journal of Invertebrate Pathology, 2017, 144, 74-87.	1.5	24
75	Identification of a hypertrehalosemic factor in Spodoptera exigua. Archives of Insect Biochemistry and Physiology, 2017, 95, e21386.	0.6	7
76	An entomopathogenic bacterium, Xenorhabdus hominickii ANU101, produces oxindole and suppresses host insect immune response by inhibiting eicosanoid biosynthesis. Journal of Invertebrate Pathology, 2017, 145, 13-22.	1.5	22
77	Age grading and gene flow of overwintered Bactrocera scutellata populations. Journal of Asia-Pacific Entomology, 2017, 20, 1402-1409.	0.4	4
78	A novel calcium-independent phospholipase A2 and its physiological roles in development and immunity of a lepidopteran insect, Spodoptera exigua. Developmental and Comparative Immunology, 2017, 77, 210-220.	1.0	27
79	Specific inhibition of Xenorhabdus hominickii, an entomopathogenic bacterium, against different types of host insect phospholipase A2. Journal of Invertebrate Pathology, 2017, 149, 97-105.	1.5	13
80	Chlorine dioxide enhances lipid peroxidation through inhibiting calcium-independent cellular PLA2 in larvae of the Indianmeal moth, Plodia interpunctella. Pesticide Biochemistry and Physiology, 2017, 143, 48-56.	1.6	10
81	Rapid Cold-Hardening of a Subtropical Species, Maruca vitrata (Lepidoptera: Crambidae), Accompanies Hypertrehalosemia by Upregulating Trehalose-6-Phosphate Synthase. Environmental Entomology, 2017, 46, 1432-1438.	0.7	16
82	Characterization of joining sites of a viral histone H4 on host insect chromosomes. PLoS ONE, 2017, 12, e0177066.	1.1	6
83	Optimization of recombinant bacteria expressing dsRNA to enhance insecticidal activity against a lepidopteran insect, Spodoptera exigua. PLoS ONE, 2017, 12, e0183054.	1.1	42
84	Technologies Required for Development of Trap-based MAT Control Against the Striped Fruit Fly, Bactrocera scutellata. Korean Journal of Applied Entomology, 2017, , 51-60.	0.3	8
85	Inhibitory Effect of Chlorine Dioxide Using Reactive Oxygen Species Against Heart Contraction of the Indianmeal Moth, Plodia interpunctella. Korean Journal of Applied Entomology, 2017, , 147-152.	0.3	1
86	Translational Control of Host Gene Expression by a Cys-Motif Protein Encoded in a Bracovirus. PLoS ONE, 2016, 11, e0161661.	1.1	2
87	Baculoviral p94 homologs encoded in Cotesia plutellae bracovirus suppress both immunity and development of the diamondback moth, Plutellae xylostella. Insect Science, 2016, 23, 235-244.	1.5	5
88	Glyceraldehyde-3-phosphate dehydrogenase is a mediator of hemocyte-spreading behavior and molecular target of immunosuppressive factor CrV1. Developmental and Comparative Immunology, 2016, 54, 97-108.	1.0	15
89	Suppressive activity of a viral histone H4 against two host chromatin remodelling factors: lysine demethylase and SWI/SNF. Journal of General Virology, 2016, 97, 2780-2796.	1.3	4
90	Anticancer and Antiviral Activity of Chlorine Dioxide by Its Induction of the Reactive Oxygen Species. Journal of Applied Biological Chemistry, 2016, 59, 31-36.	0.2	5

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91	Enhanced acetylcholinesterase Activity of the Indianmeal moth, Plodia interpunctella, Under Chlorine Dioxide Treatment and Altered Negative Phototaxis Behavior. Korean Journal of Applied Entomology, 2016, , 27-33.	0.3	3
92	Fatty Acid Composition of Different tissues of Spodoptera exigua Larvae and a Role of Cellular Phospholipase A2. Korean Journal of Applied Entomology, 2016, , 129-138.	0.3	5
93	Genetic Character and Insecticide Susceptibility on a Korean Population of a Subtropical Species, Maruca vitrata. Korean Journal of Applied Entomology, 2016, , 257-266.	0.3	2
94	Integrated Pest Management Against Bactrocera Fruit Flies. Korean Journal of Applied Entomology, 2016, , 359-376.	0.3	7
95	Can Maruca vitrata (Lepidoptera: Crambidae) Over-winter in Suwon Area?. Korean Journal of Applied Entomology, 2016, , 439-444.	0.3	4
96	PGE₂ MEDIATES OENOCYTOID CELL LYSIS VIA A SODIUMâ€POTASSIUMâ€CHLORIDE COTRANSPORTER. Archives of Insect Biochemistry and Physiology, 2015, 89, 218-229.	0.6	19
97	A Transformed Bacterium Expressing Double-Stranded RNA Specific to Integrin Î²1 Enhances Bt Toxin Efficacy against a Polyphagous Insect Pest, Spodoptera exigua. PLoS ONE, 2015, 10, e0132631.	1.1	37
98	Eicosanoids up-regulate production of reactive oxygen species by NADPH-dependent oxidase in Spodoptera exigua phagocytic hemocytes. Journal of Insect Physiology, 2015, 79, 63-72.	0.9	22
99	Regulation of hemolymph trehalose level by an insulin-like peptide through diel feeding rhythm of the beet armyworm, Spodoptera exigua. Peptides, 2015, 68, 91-98.	1.2	37
100	A novel calcium-independent cellular PLA2 acts in insect immunity and larval growth. Insect Biochemistry and Molecular Biology, 2015, 66, 13-23.	1.2	49
101	Insecticidal activity of chlorine dioxide gas by inducing an oxidative stress to the red flour beetle, Tribolium castaneum. Journal of Stored Products Research, 2015, 64, 88-96.	1.2	16
102	Antiviral activity of the inducible humoral immunity and its suppression by eleven BEN family members encoded in Cotesia plutellae bracovirus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 179, 44-53.	0.8	4
103	Roles of Peroxinectin in PGE2-Mediated Cellular Immunity in Spodoptera exigua. PLoS ONE, 2014, 9, e105717.	1.1	43
104	JH modulates a cellular immunity of Tribolium castaneum in a Met-independent manner. Journal of Insect Physiology, 2014, 63, 40-47.	0.9	17
105	Sequential immunosuppressive activities of bacterial secondary metabolites from the entomopahogenic bacterium Xenorhabdus nematophila. Journal of Microbiology, 2014, 52, 161-168.	1.3	42
106	PROSTAGLANDIN MEDIATES DOWNâ€REGULATION OF PHENOLOXIDASE ACTIVATION OF Spodoptera exigua VIA PLASMATOCYTEâ€SPREADING PEPTIDEâ€BINDING PROTEIN. Archives of Insect Biochemistry and Physiology, 2014, 85, 234-247.	0.6	9
107	Eicosanoid Signaling in Insects: from Discovery to Plant Protection. Critical Reviews in Plant Sciences, 2014, 33, 20-63.	2.7	101
108	Point mutagenesis reveals that a coiled-coil motif of CrV1 is required for entry to hemocytes to suppress cellular immune responses. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 177, 27-34.	0.8	8

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109	Comparative transcriptome analysis of sex pheromone glands of two sympatric lepidopteran congener species. Genomics, 2014, 103, 308-315.	1.3	22
110	Development of a High Efficient ï¿½ï¿½Dual Bt-Plusï¿½ï¿½ Insecticide Using a Primary Form of an Entomopathogenic Bacterium, Xenorhabdus nematophila. Journal of Microbiology and Biotechnology, 2014, 24, 507-521.	0.9	19
111	A viral factor, CpBV15Î±, interacts with a translation initiation factor, eIF2, to suppress host gene expression at a post-transcriptional level. Journal of Invertebrate Pathology, 2013, 114, 34-41.	1.5	6
112	RNA interference of glycerol biosynthesis suppresses rapid cold hardening of the beet armyworm, Spodoptera exigua. Journal of Experimental Biology, 2013, 216, 4196-203.	0.8	37
113	RNA interference of cadherin gene expression in Spodoptera exigua reveals its significance as a specific Bt target. Journal of Invertebrate Pathology, 2013, 114, 285-291.	1.5	34
114	Teratocyte-secreting proteins of an endoparasitoid wasp, Cotesia plutellae, prevent host metamorphosis by altering endocrine signals. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 166, 251-262.	0.8	24
115	Protein tyrosine phosphatase encoded in Cotesia plutellae bracovirus suppresses a larva-to-pupa metamorphosis of the diamondback moth, Plutella xylostella. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 166, 60-69.	0.8	14
116	Rac1 mediates cytokine-stimulated hemocyte spreading via prostaglandin biosynthesis in the beet armyworm, Spodoptera exigua. Journal of Insect Physiology, 2013, 59, 682-689.	0.9	32
117	Different types of fruit damages of three internal apple feeders diagnosed with mitochondrial molecular markers. Journal of Asia-Pacific Entomology, 2013, 16, 189-197.	0.4	14
118	AN ENTOMOPATHOGENIC BACTERIUM, Xenorhabdus nematophila, SUPPRESSES EXPRESSION OF ANTIMICROBIAL PEPTIDES CONTROLLED BY TOLL AND IMD PATHWAYS BY BLOCKING EICOSANOID BIOSYNTHESIS. Archives of Insect Biochemistry and Physiology, 2013, 83, 151-169.	0.6	63
119	A Viral Histone H4 Joins to Eukaryotic Nucleosomes and Alters Host Gene Expression. Journal of Virology, 2013, 87, 11223-11230.	1.5	25
120	Phospholipase A ₂ Inhibitors Synthesized by Two Entomopathogenic Bacteria, Xenorhabdus nematophila and Photorhabdus temperata subsp. temperata. Applied and Environmental Microbiology, 2012, 78, 3816-3823.	1.4	95
121	RNA INTERFERENCE OF BROAD GENE EXPRESSION MIMICS ANTIMETAMORPHIC EFFECT OF PYRIPROXYFEN ON THE BEET ARMYWORM, Spodoptera exigua. Archives of Insect Biochemistry and Physiology, 2012, 81, 214-227.	0.6	7
122	Toll recognition signal activates oenocytoid cell lysis via a crosstalk between plasmatocyte-spreading peptide and eicosanoids in response to a fungal infection. Cellular Immunology, 2012, 279, 117-123.	1.4	15
123	Eicosanoid biosynthesis is activated via Toll, but not Imd signal pathway in response to fungal infection. Journal of Invertebrate Pathology, 2012, 110, 382-388.	1.5	26
124	A novel polydnaviral gene family, BEN, and its immunosuppressive function in larvae of Plutella xylostella parasitized by Cotesia plutellae. Journal of Invertebrate Pathology, 2012, 110, 389-397.	1.5	13
125	In vivo transient expression for the functional analysis of polydnaviral genes. Journal of Invertebrate Pathology, 2012, 111, 152-159.	1.5	11
126	Phospholipase A2 inhibitors in bacterial culture broth enhance pathogenicity of a fungus Nomuraea rileyi. Journal of Microbiology, 2012, 50, 644-651.	1.3	10

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127	Functional study of the gene encoding apolipophorin III in development and immune responses in the beet armyworm, Spodoptera exigua. Journal of Asia-Pacific Entomology, 2012, 15, 106-112.	0.4	12
128	Immunosuppression induced by expression of a viral RNase enhances susceptibility of Plutella xylostella to microbial pesticides. Insect Science, 2012, 19, 47-54.	1.5	8
129	Change in Hemocyte Populations of the Beet Armyworm, Spodoptera exigua, in Response to Bacterial Infection and Eicosanoid Mediation. Korean Journal of Applied Entomology, 2012, 51, 349-356.	0.3	13
130	Occurrence of Grapholita dimorpha in Korean Pear Orchards and Cross-trapping of Its Sibling Species, Grapholita molesta, to a Pheromone Lure. Korean Journal of Applied Entomology, 2012, 51, 479-484.	0.3	10
131	Transient expression of a viral histone H4 inhibits expression of cellular and humoral immune-associated genes in Tribolium castaneum. Biochemical and Biophysical Research Communications, 2011, 415, 279-283.	1.0	13
132	Prostaglandins and Their Receptors in Insect Biology. Frontiers in Endocrinology, 2011, 2, 105.	1.5	56
133	Host translational control of a polydnavirus, Cotesia plutellae bracovirus, by sequestering host eIF4A to prevent formation of a translation initiation complex. Insect Molecular Biology, 2011, 20, 609-618.	1.0	18
134	Three metabolites from an entomopathogenic bacterium, Xenorhabdus nematophila, inhibit larval development of Spodoptera exigua (Lepidoptera: Noctuidae) by inhibiting a digestive enzyme, phospholipase A2. Insect Science, 2011, 18, 282-288.	1.5	13
135	Role of a small G protein Ras in cellular immune response of the beet armyworm, Spodoptera exigua. Journal of Insect Physiology, 2011, 57, 356-362.	0.9	21
136	RNA interference of Î²1 integrin subunit impairs development and immune responses of the beet armyworm, Spodoptera exigua. Journal of Insect Physiology, 2011, 57, 1537-1544.	0.9	44
137	PGE2 induces oenocytoid cell lysis via a G protein-coupled receptor in the beet armyworm, Spodoptera exigua. Journal of Insect Physiology, 2011, 57, 1568-1576.	0.9	56
138	Real-time monitoring of oriental fruit moth, Grapholita molesta, populations using a remote sensing pheromone trap in apple orchards. Journal of Asia-Pacific Entomology, 2011, 14, 259-262.	0.4	31
139	Benzylideneacetone suppresses both cellular and humoral immune responses of Spodoptera exigua and enhances fungal pathogenicity. Journal of Asia-Pacific Entomology, 2011, 14, 423-427.	0.4	17
140	Plasmatocyteâ€spreading peptide influences hemocyte behavior via eicosanoids. Archives of Insect Biochemistry and Physiology, 2011, 78, 145-160.	0.6	37
141	Genes encoding phospholipases A2 mediate insect nodulation reactions to bacterial challenge. Journal of Insect Physiology, 2010, 56, 324-332.	0.9	50
142	Up-regulation of circulating hemocyte population in response to bacterial challenge is mediated by octopamine and 5-hydroxytryptamine via Rac1 signal in Spodoptera exigua. Journal of Insect Physiology, 2010, 56, 559-566.	0.9	68
143	Transient expression of specific Cotesia plutellae bracoviral segments induces prolonged larval development of the diamondback moth, Plutella xylostella. Journal of Insect Physiology, 2010, 56, 650-658.	0.9	20
144	Two chemical derivatives of bacterial metabolites suppress cellular immune responses and enhance pathogenicity of Bacillus thuringiensis against the diamondback moth, Plutella xylostella. Journal of Asia-Pacific Entomology, 2010, 13, 55-60.	0.4	18

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145	Transient transcription of a putative RNase containing BEN domain encoded in Cotesia plutellae bracovirus induces an immunosuppression of the diamondback moth, Plutella xylostella. Journal of Invertebrate Pathology, 2010, 105, 156-163.	1.5	64
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