Yonggyun Kim

List of Publications by Year
in descending order

206 papers	5,030 citations	79946 39 h-index	139103 58 g-index
240 all docs	240 docs citations	240 times ranked	2472 citing authors

#	Article	IF	Citations
1	Eicosanoids rescue Spodoptera exigua infected with Xenorhabdus nematophilus, the symbiotic bacteria to the entomopathogenic nematode Steinernema carpocapsae. Journal of Insect Physiology, 2000, 46, 1469-1476.	2.2	175
2	Eicosanoids mediate prophenoloxidase release from oenocytoids in the beet armyworm Spodoptera exigua. Insect Biochemistry and Molecular Biology, 2008, 38, 99-112.	2.7	131
3	Identification of an antibacterial compound, benzylideneacetone, fromXenorhabdus nematophilaagainst major plant-pathogenic bacteria. FEMS Microbiology Letters, 2004, 239, 241-248.	1.8	126
4	Eicosanoid-mediated immunity in insects. Developmental and Comparative Immunology, 2018, 83, 130-143.	2.3	119
5	Two groups of entomopathogenic bacteria, Photorhabdus and Xenorhabdus, share an inhibitory action against phospholipase A2 to induce host immunodepression. Journal of Invertebrate Pathology, 2005, 89, 258-264.	3.3	118
6	Host physiological changes due to parasitism of a braconid wasp, Cotesia plutellae, on diamondback moth, Plutella xylostella. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2004, 138, 39-44.	1.8	114
7	Eicosanoid Signaling in Insects: from Discovery to Plant Protection. Critical Reviews in Plant Sciences, 2014, 33, 20-63.	5.8	102
8	Parasitism by Cotesia plutellae alters the hemocyte population and immunological function of the diamondback moth, Plutella xylostella. Journal of Insect Physiology, 2006, 52, 943-950.	2.2	99
9	Phospholipase A ₂ Inhibitors Synthesized by Two Entomopathogenic Bacteria, Xenorhabdus nematophila and Photorhabdus temperata subsp. temperata. Applied and Environmental Microbiology, 2012, 78, 3816-3823.	3.2	96
10	An entomopathogenic bacterium, Xenorhabdus nematophila, inhibits the expression of an antibacterial peptide, cecropin, of the beet armyworm, Spodoptera exigua. Journal of Insect Physiology, 2004, 50, 489-496.	2.2	95
11	Prostaglandins and Other Eicosanoids in Insects: Biosynthesis and Biological Actions. Frontiers in Physiology, 2018, 9, 1927.	2.8	84
12	Xenorhabdus nematophilus inhibits pâ€bromophenacyl bromide (BPB)â€sensitive PLA₂ of Spodoptera exigua. Archives of Insect Biochemistry and Physiology, 2003, 54, 134-142.	1.5	79
13	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.	2.2	69
14	An entomopathogenic bacterium, Xenorhabdus nematophila, inhibits hemocyte phagocytosis of Spodoptera exigua by inhibiting phospholipase A2. Journal of Invertebrate Pathology, 2007, 96, 64-70.	3.3	66
15	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.	3.3	66
16	Various Eicosanoids Modulate the Cellular and Humoral Immune Responses of the Beet Armyworm,Spodoptera exigua. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2077-2084.	1.3	65
17	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.	1.5	64
18	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.	2.2	59

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19	The bacteriumXenorhabdus nematophilus depresses nodulation reactions to infection by inhibiting eicosanoid biosynthesis in tobacco hornworms,Manduca sexta. Archives of Insect Biochemistry and Physiology, 2003, 52, 71-80.	1.5	58
20	Prostaglandins and Their Receptors in Insect Biology. Frontiers in Endocrinology, 2011, 2, 105.	3.5	57
21	Cold Hardiness in Spodoptera exigua (Lepidoptera: Noctuidae). Environmental Entomology, 1997, 26, 1117-1123.	1.5	54
22	Transient expression of an EP1-like gene encoded in Cotesia plutellae bracovirus suppresses the hemocyte population in the diamondback moth, Plutella xylostella. Developmental and Comparative Immunology, 2008, 32, 932-942.	2.3	54
23	Transient expression of protein tyrosine phosphatases encoded in Cotesia plutellae bracovirus inhibits insect cellular immune responses. Die Naturwissenschaften, 2007, 95, 25-32.	1.6	53
24	Genes encoding phospholipases A2 mediate insect nodulation reactions to bacterial challenge. Journal of Insect Physiology, 2010, 56, 324-332.	2.2	52
25	A novel calcium-independent cellular PLA2 acts in insect immunity and larval growth. Insect Biochemistry and Molecular Biology, 2015, 66, 13-23.	2.7	52
26	Cotesia plutellae Bracovirus Genome and Its Function in Altering Insect Physiology. Journal of Asia-Pacific Entomology, 2007, 10, 181-191.	0.9	50
27	Octopamine and 5â€hydroxytryptamine mediate hemocytic phagocytosis and nodule formation via eicosanoids in the beet armyworm, Spodoptera exigua. Archives of Insect Biochemistry and Physiology, 2009, 70, 162-176.	1.5	50
28	Global analysis of biosynthetic gene clusters reveals conserved and unique natural products in entomopathogenic nematode-symbiotic bacteria. Nature Chemistry, 2022, 14, 701-712.	14.3	48
29	A viral histone H4 encoded by Cotesia plutellae bracovirus inhibits haemocyte-spreading behaviour of the diamondback moth, Plutella xylostella. Journal of General Virology, 2008, 89, 931-938.	2.9	47
30	Eicosanoid Signaling in Insect Immunology: New Genes and Unresolved Issues. Genes, 2021, 12, 211.	2.4	47
31	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.	2.2	46
32	Optimization of recombinant bacteria expressing dsRNA to enhance insecticidal activity against a lepidopteran insect, Spodoptera exigua. PLoS ONE, 2017, 12, e0183054.	2.5	46
33	A non-venomous sPLA2 of a lepidopteran insect: Its physiological functions in development and immunity. Developmental and Comparative Immunology, 2018, 89, 83-92.	2.3	46
34	Roles of Peroxinectin in PGE2-Mediated Cellular Immunity in Spodoptera exigua. PLoS ONE, 2014, 9, e105717.	2.5	45
35	An Insect Prostaglandin E2 Synthase Acts in Immunity and Reproduction. Frontiers in Physiology, 2018, 9, 1231.	2.8	45
36	IkB genes encoded in Cotesia plutellae bracovirus suppress an antiviral response and enhance baculovirus pathogenicity against the diamondback moth, Plutella xylostella. Journal of Invertebrate Pathology, 2009, 102, 79-87.	3.3	44

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37	Hemocyte Apoptosis Induced by Entomopathogenic Bacteria, Xenorhabdus and Photorhabdus, in Bombyx mori. Journal of Asia-Pacific Entomology, 2004, 7, 195-200.	0.9	43
38	Protein tyrosine phosphatases encoded in Cotesia plutellae bracovirus: Sequence analysis, expression profile, and a possible biological role in host immunosuppression. Developmental and Comparative Immunology, 2007, 31, 978-990.	2.3	43
39	Activation of immune-associated phospholipase A2 is functionally linked to Toll/Imd signal pathways in the red flour beetle, Tribolium castaneum. Developmental and Comparative Immunology, 2010, 34, 530-537.	2.3	43
40	Sequential immunosuppressive activities of bacterial secondary metabolites from the entomopahogenic bacterium Xenorhabdus nematophila. Journal of Microbiology, 2014, 52, 161-168.	2.8	42
41	Additive effect of teratocyte and calyx fluid from Cotesia plutellae on immunosuppression of Plutella xylostella. Physiological Entomology, 2006, 31, 341-347.	1.5	41
42	Antagonistic effect of juvenile hormone on hemocyte-spreading behavior of Spodoptera exigua in response to an insect cytokine and its putative membrane action. Journal of Insect Physiology, 2008, 54, 909-915.	2.2	41
43	Biochemical characteristics of immune-associated phospholipase A2 and its inhibition by an entomopathogenic bacterium, Xenorhabdus nematophila. Journal of Microbiology, 2009, 47, 774-782.	2.8	39
44	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.	2.4	39
45	Identification and Characterization of a Symbiotic Bacterium Associated with Steinernema carpocapsae in Korea. Journal of Asia-Pacific Entomology, 1999, 2, 105-111.	0.9	38
46	Functional binding of a vertebrate hormone, L-3,5,3â€²-triiodothyronine (T3), on insect follicle cell membranes. Insect Biochemistry and Molecular Biology, 1999, 29, 943-950.	2.7	38
47	RNA interference of glycerol biosynthesis suppresses rapid cold hardening of the beet armyworm,Spodoptera exigua. Journal of Experimental Biology, 2013, 216, 4196-203.	1.7	38
48	Variation in pathogenicity of different strains of Xenorhabdus nematophila; Differential immunosuppressive activities and secondary metabolite production. Journal of Invertebrate Pathology, 2019, 166, 107221.	3.3	38
49	Plasmatocyteâ€spreading peptide influences hemocyte behavior via eicosanoids. Archives of Insect Biochemistry and Physiology, 2011, 78, 145-160.	1.5	37
50	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.	2.5	37
51	The bacterium Xenorhabdus nematophila inhibits phospholipases A2 from insect, prokaryote, and vertebrate sources. Die Naturwissenschaften, 2004, 91, 371-3.	1.6	36
52	Biosynthetic pathway of arachidonic acid in Spodoptera exigua in response to bacterial challenge. Insect Biochemistry and Molecular Biology, 2019, 111, 103179.	2.7	36
53	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.	3.3	35
54	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	35

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55	Rac1 mediates cytokine-stimulated hemocyte spreading via prostaglandin biosynthesis in the beet armyworm, Spodoptera exigua. Journal of Insect Physiology, 2013, 59, 682-689.	2.2	33
56	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.	0.9	31
57	Horizontally transmitted parasitoid killing factor shapes insect defense to parasitoids. Science, 2021, 373, 535-541.	20.9	31
58	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.	2.3	30
59	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.	2.3	28
60	Identification of an Entomopathogenic Bacterium, Photorhabdus temperata subsp. temperata, in Korea. Journal of Asia-Pacific Entomology, 2004, 7, 331-337.	0.9	27
61	Eicosanoid biosynthesis is activated via Toll, but not Imd signal pathway in response to fungal infection. Journal of Invertebrate Pathology, 2012, 110, 382-388.	3.3	27
62	Virulent secondary metabolites of entomopathogenic bacteria genera, Xenorhabdus and Photorhabdus, inhibit phospholipase A2 to suppress host insect immunity. BMC Microbiology, 2020, 20, 359.	3.4	27
63	Oenocytoid cell lysis to release prophenoloxidase is induced by eicosanoid via protein kinase C. Journal of Asia-Pacific Entomology, 2009, 12, 301-305.	0.9	26
64	Toll immune signal activates cellular immune response via eicosanoids. Developmental and Comparative Immunology, 2018, 84, 408-419.	2.3	26
65	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.	1.8	25
66	A Viral Histone H4 Joins to Eukaryotic Nucleosomes and Alters Host Gene Expression. Journal of Virology, 2013, 87, 11223-11230.	3.5	25
67	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.	2.2	25
68	Alteration of insulin signaling to control insect pest by using transformed bacteria expressing dsRNA. Pest Management Science, 2020, 76, 1020-1030.	3.6	25
69	Identification and bacterial characteristics of Xenorhabdus hominickii ANU101 from an entomopathogenic nematode, Steinernema monticolum. Journal of Invertebrate Pathology, 2017, 144, 74-87.	3.3	24
70	EpOMEs act as immune suppressors in a lepidopteran insect, Spodoptera exigua. Scientific Reports, 2020, 10, 20183.	3.4	24
71	Salicylic Acid, a Plant Hormone, Suppresses Phytophagous Insect Immune Response by Interrupting HMG-Like DSP1. Frontiers in Physiology, 2021, 12, 744272.	2.8	24
72	Comparative transcriptome analysis of sex pheromone glands of two sympatric lepidopteran congener species. Genomics, 2014, 103, 308-315.	2.9	22

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73	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.	3.3	22
74	Regulation of hemolymph trehalose titers by insulin signaling in the legume pod borer, Maruca vitrata (Lepidoptera: Crambidae). Peptides, 2018, 106, 28-36.	2.4	22
75	Dual Oxidase-Derived Reactive Oxygen Species Against Bacillus thuringiensis and Its Suppression by Eicosanoid Biosynthesis Inhibitors. Frontiers in Microbiology, 2020, 11, 528.	3.6	22
76	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.	2.2	21
77	Inhibition of prostaglandin biosynthesis leads to suppressed ovarian development in Spodoptera exigua. Journal of Insect Physiology, 2019, 114, 83-91.	2.2	21
78	Insect prostaglandins and other eicosanoids: From molecular to physiological actions. Advances in Insect Physiology, 2019, , 283-343.	3.8	21
79	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.	1.5	21
80	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.	2.7	21
81	Immune mediation of HMG-like DSP1 via Toll-SpÃtzle pathway and its specific inhibition by salicylic acid analogs. PLoS Pathogens, 2021, 17, e1009467.	4.1	21
82	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.	2.2	20
83	PGE₂ MEDIATES OENOCYTOID CELL LYSIS VIA A SODIUMâ€POTASSIUMâ€CHLORIDE COTRANSPORTER. Archives of Insect Biochemistry and Physiology, 2015, 89, 218-229.	1.5	20
84	Nitric oxide mediates antimicrobial peptide gene expression by activating eicosanoid signaling. PLoS ONE, 2018, 13, e0193282.	2.5	20
85	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.	1.5	19
86	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.	0.9	18
87	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.	1.9	18
88	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.	1.8	18
89	Benzylideneacetone suppresses both cellular and humoral immune responses of Spodoptera exigua and enhances fungal pathogenicity. Journal of Asia-Pacific Entomology, 2011, 14, 423-427.	0.9	17
90	JH modulates a cellular immunity of Tribolium castaneum in a Met-independent manner. Journal of Insect Physiology, 2014, 63, 40-47.	2.2	17

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91	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.	1.5	17
92	Differential immunosuppression by inhibiting PLA2 affects virulence of Xenorhabdus hominickii and Photorhabdus temperata temperata. Journal of Invertebrate Pathology, 2018, 157, 136-146.	3.3	17
93	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.	1.5	17
94	A prophylactic role of a secretory PLA2 of Spodoptera exigua against entomopathogens. Developmental and Comparative Immunology, 2019, 95, 108-117.	2.3	17
95	Biosynthesis and immunity of epoxyeicosatrienoic acids in a lepidopteran insect, Spodoptera exigua. Developmental and Comparative Immunology, 2020, 107, 103643.	2.3	17
96	The first report of prostacyclin and its physiological roles in insects. General and Comparative Endocrinology, 2021, 301, 113659.	1.8	17
97	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.	2.7	16
98	PGE2 mediates hemocyte-spreading behavior by activating aquaporin via cAMP and rearranging actin cytoskeleton via Ca2+. Developmental and Comparative Immunology, 2021, 125, 104230.	2.3	16
99	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.	3.0	15
100	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.	2.3	15
101	Application of insulin signaling to predict insect growth rate in Maruca vitrata (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.5	15
102	An aquaporin mediates cell shape change required for cellular immunity in the beet armyworm, Spodoptera exigua. Scientific Reports, 2019, 9, 4988.	3.4	15
103	Variations of Indole Metabolites and NRPS-PKS Loci in Two Different Virulent Strains of Xenorhabdus hominickii. Frontiers in Microbiology, 2020, 11, 583594.	3.6	15
104	PGE ₂ upregulates gene expression of dual oxidase in a lepidopteran insect midgut via cAMP signalling pathway. Open Biology, 2020, 10, 200197.	3.7	15
105	Benzylideneacetone and other phenylethylamide bacterial metabolites induce apoptosis to kill insects. Journal of Asia-Pacific Entomology, 2020, 23, 449-457.	0.9	15
106	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.	1.5	15
107	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.	3.1	14
108	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.	1.8	14

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109	Different types of fruit damages of three internal apple feeders diagnosed with mitochondrial molecular markers. Journal of Asia-Pacific Entomology, 2013, 16, 189-197.	0.9	14
110	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	14
111	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.	2.2	13
112	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.	3.3	13
113	Specific inhibition of Xenorhabdus hominickii, an entomopathogenic bacterium, against different types of host insect phospholipase A2. Journal of Invertebrate Pathology, 2017, 149, 97-105.	3.3	13
114	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.	0.9	13
115	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.	0.9	12
116	In vivo transient expression for the functional analysis of polydnaviral genes. Journal of Invertebrate Pathology, 2012, 111, 152-159.	3.3	11
117	Phenylethylamides derived from bacterial secondary metabolites specifically inhibit an insect serotonin receptor. Scientific Reports, 2019, 9, 20358.	3.4	11
118	Host Immunosuppression Induced by Steinernema feltiae, an Entomopathogenic Nematode, through Inhibition of Eicosanoid Biosynthesis. Insects, 2020, 11, 33.	2.3	11
119	Identification and Pathogenic Characteristics of Two Korean Isolates of Heterorhabditis megidis. Journal of Asia-Pacific Entomology, 2005, 8, 411-418.	0.9	10
120	Altered actin polymerization of Plutella xylostella (L.) in response to ovarian calyx components of an endoparasitoid Cotesia plutellae (Kurdjumov). Physiological Entomology, 2009, 34, 110-118.	1.5	10
121	Phospholipase A2 inhibitors in bacterial culture broth enhance pathogenicity of a fungus Nomuraea rileyi. Journal of Microbiology, 2012, 50, 644-651.	2.8	10
122	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.	3.6	10
123	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.	3.3	10
124	Immunosuppressive Activities of Novel PLA2 Inhibitors from Xenorhabdus hominickii, an Entomopathogenic Bacterium. Insects, 2020, 11, 505.	2.3	10
125	An ovaryâ€specific mucin is associated with choriogenesis mediated by prostaglandin signaling in Spodoptera exigua. Archives of Insect Biochemistry and Physiology, 2021, 106, e21748.	1.5	10
126	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

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127	Disturbance of Adult Eclosion by Fenoxycarb, a Juvenile Hormone Mimic, in the Beet Armyworm, Spodoptera exigua. Journal of Asia-Pacific Entomology, 2000, 3, 103-111.	0.9	9
128	Immunosuppression induced by expression of a viral RNase enhances susceptibility of Plutella xylostella to microbial pesticides. Insect Science, 2012, 19, 47-54.	3.1	9
129	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.	1.5	9
130	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.	1.5	9
131	Toll/IMD signal pathways mediate cellular immune responses via induction of intracellular PLA 2 expression. Archives of Insect Biochemistry and Physiology, 2019, 101, e21559.	1.5	9
132	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.	2.3	9
133	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.	1.8	8
134	Development, Reproduction, and Life Table Parameters of the Foxglove Aphid, Aulacorthum solani Kaltenbach (Hemiptera: Aphididae), on Soybean at Constant Temperatures. Insects, 2020, 11, 296.	2.3	8
135	Integrated Pest Management Against Bactrocera Fruit Flies. Korean Journal of Applied Entomology, 2016, , 359-376.	0.3	8
136	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
137	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.	3.3	8
138	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.	4.9	8
139	In vivo transient expression of a viral silencing suppressor, NSs, derived from tomato spotted wilt virus decreases insect RNAi efficiencies. Archives of Insect Biochemistry and Physiology, 2023, 112, .	1.5	8
140	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.	1.5	7
141	Identification of a hypertrehalosemic factor in Spodoptera exigua. Archives of Insect Biochemistry and Physiology, 2017, 95, e21386.	1.5	7
142	Repat33 Acts as a Downstream Component of Eicosanoid Signaling Pathway Mediating Immune Responses of Spodoptera exigua, a Lepidopteran Insect. Insects, 2021, 12, 449.	2.3	7
143	Thelytokous Reproduction of Onion Thrips, Thrips tabaci Lindeman 1889, Infesting Welsh Onion and Genetic Variation among Their Subpopulations. Insects, 2022, 13, 78.	2.3	7
144	HMG-like DSP1 is a damage signal to mediate the western flower thrips, Frankliniella occidentalis, immune responses to tomato spotted wilt virus infection. Developmental and Comparative Immunology, 2023, 144, 104706.	2.3	7

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