

Yonggyun Kim

List of Publications by Year in descending order

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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	Eicosanoids rescue <i>Spodoptera exigua</i> infected with <i>Xenorhabdus nematophilus</i> , the symbiotic bacteria to the entomopathogenic nematode <i>Steinernema carpocapsae</i> . <i>Journal of Insect Physiology</i> , 2000, 46, 1469-1476.	0.9	174
2	Eicosanoids mediate prophenoloxidase release from oenocytoids in the beet armyworm <i>Spodoptera exigua</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 99-112.	1.2	128
3	Identification of an antibacterial compound, benzylideneacetone, from <i>Xenorhabdus nematophila</i> against major plant-pathogenic bacteria. <i>FEMS Microbiology Letters</i> , 2004, 239, 241-248.	0.7	122
4	Two groups of entomopathogenic bacteria, <i>Photorhabdus</i> and <i>Xenorhabdus</i> , share an inhibitory action against phospholipase A2 to induce host immunodepression. <i>Journal of Invertebrate Pathology</i> , 2005, 89, 258-264.	1.5	117
5	Host physiological changes due to parasitism of a braconid wasp, <i>Cotesia plutellae</i> , on diamondback moth, <i>Plutella xylostella</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2004, 138, 39-44.	0.8	114
6	Eicosanoid-mediated immunity in insects. <i>Developmental and Comparative Immunology</i> , 2018, 83, 130-143.	1.0	108
7	Eicosanoid Signaling in Insects: from Discovery to Plant Protection. <i>Critical Reviews in Plant Sciences</i> , 2014, 33, 20-63.	2.7	101
8	Parasitism by <i>Cotesia plutellae</i> alters the hemocyte population and immunological function of the diamondback moth, <i>Plutella xylostella</i> . <i>Journal of Insect Physiology</i> , 2006, 52, 943-950.	0.9	98
9	Phospholipase A ₂ Inhibitors Synthesized by Two Entomopathogenic Bacteria, <i>Xenorhabdus nematophila</i> and <i>Photorhabdus temperata</i> subsp. <i>temperata</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 3816-3823.	1.4	95
10	An entomopathogenic bacterium, <i>Xenorhabdus nematophila</i> , inhibits the expression of an antibacterial peptide, cecropin, of the beet armyworm, <i>Spodoptera exigua</i> . <i>Journal of Insect Physiology</i> , 2004, 50, 489-496.	0.9	94
11	Prostaglandins and Other Eicosanoids in Insects: Biosynthesis and Biological Actions. <i>Frontiers in Physiology</i> , 2018, 9, 1927.	1.3	79
12	<i>Xenorhabdus nematophilus</i> inhibits sp-bromophenacyl bromide (BPB)-sensitive PLA2 of <i>Spodoptera exigua</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2003, 54, 134-142.	0.6	77
13	Up-regulation of circulating hemocyte population in response to bacterial challenge is mediated by octopamine and 5-hydroxytryptamine via Rac1 signal in <i>Spodoptera exigua</i> . <i>Journal of Insect Physiology</i> , 2010, 56, 559-566.	0.9	68
14	An entomopathogenic bacterium, <i>Xenorhabdus nematophila</i> , inhibits hemocyte phagocytosis of <i>Spodoptera exigua</i> by inhibiting phospholipase A2. <i>Journal of Invertebrate Pathology</i> , 2007, 96, 64-70.	1.5	66
15	Various Eicosanoids Modulate the Cellular and Humoral Immune Responses of the Beet Armyworm, <i>Spodoptera exigua</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 2077-2084.	0.6	65
16	Transient transcription of a putative RNase containing BEN domain encoded in <i>Cotesia plutellae</i> bracovirus induces an immunosuppression of the diamondback moth, <i>Plutella xylostella</i> . <i>Journal of Invertebrate Pathology</i> , 2010, 105, 156-163.	1.5	64
17	AN ENTOMOPATHOGENIC BACTERIUM, <i>Xenorhabdus nematophila</i> , SUPPRESSES EXPRESSION OF ANTIMICROBIAL PEPTIDES CONTROLLED BY TOLL AND IMD PATHWAYS BY BLOCKING EICOSANOID BIOSYNTHESIS. <i>Archives of Insect Biochemistry and Physiology</i> , 2013, 83, 151-169.	0.6	63
18	The bacterium <i>Xenorhabdus nematophilus</i> depresses nodulation reactions to infection by inhibiting eicosanoid biosynthesis in tobacco hornworms, <i>Manduca sexta</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2003, 52, 71-80.	0.6	58

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19	Prostaglandins and Their Receptors in Insect Biology. <i>Frontiers in Endocrinology</i> , 2011, 2, 105.	1.5	56
20	PGE2 induces oenocytoid cell lysis via a G protein-coupled receptor in the beet armyworm, <i>Spodoptera exigua</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 1568-1576.	0.9	56
21	Cold Hardiness in <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae). <i>Environmental Entomology</i> , 1997, 26, 1117-1123.	0.7	54
22	Transient expression of an EP1-like gene encoded in <i>Cotesia plutellae</i> bracovirus suppresses the hemocyte population in the diamondback moth, <i>Plutella xylostella</i> . <i>Developmental and Comparative Immunology</i> , 2008, 32, 932-942.	1.0	54
23	Transient expression of protein tyrosine phosphatases encoded in <i>Cotesia plutellae</i> bracovirus inhibits insect cellular immune responses. <i>Die Naturwissenschaften</i> , 2007, 95, 25-32.	0.6	53
24	<i>Cotesia plutellae</i> Bracovirus Genome and Its Function in Altering Insect Physiology. <i>Journal of Asia-Pacific Entomology</i> , 2007, 10, 181-191.	0.4	50
25	Genes encoding phospholipases A2 mediate insect nodulation reactions to bacterial challenge. <i>Journal of Insect Physiology</i> , 2010, 56, 324-332.	0.9	50
26	Octopamine and 5-hydroxytryptamine mediate hemocytic phagocytosis and nodule formation via eicosanoids in the beet armyworm, <i>Spodoptera exigua</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2009, 70, 162-176.	0.6	49
27	A novel calcium-independent cellular PLA2 acts in insect immunity and larval growth. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 66, 13-23.	1.2	49
28	A viral histone H4 encoded by <i>Cotesia plutellae</i> bracovirus inhibits haemocyte-spreading behaviour of the diamondback moth, <i>Plutella xylostella</i> . <i>Journal of General Virology</i> , 2008, 89, 931-938.	1.3	46
29	A non-venomous sPLA2 of a lepidopteran insect: Its physiological functions in development and immunity. <i>Developmental and Comparative Immunology</i> , 2018, 89, 83-92.	1.0	45
30	IkB genes encoded in <i>Cotesia plutellae</i> bracovirus suppress an antiviral response and enhance baculovirus pathogenicity against the diamondback moth, <i>Plutella xylostella</i> . <i>Journal of Invertebrate Pathology</i> , 2009, 102, 79-87.	1.5	44
31	RNA interference of β 1 integrin subunit impairs development and immune responses of the beet armyworm, <i>Spodoptera exigua</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 1537-1544.	0.9	44
32	Hemocyte Apoptosis Induced by Entomopathogenic Bacteria, <i>Xenorhabdus</i> and <i>Photorhabdus</i> , in <i>Bombyx mori</i> . <i>Journal of Asia-Pacific Entomology</i> , 2004, 7, 195-200.	0.4	43
33	Protein tyrosine phosphatases encoded in <i>Cotesia plutellae</i> bracovirus: Sequence analysis, expression profile, and a possible biological role in host immunosuppression. <i>Developmental and Comparative Immunology</i> , 2007, 31, 978-990.	1.0	43
34	Roles of Peroxinectin in PGE2-Mediated Cellular Immunity in <i>Spodoptera exigua</i> . <i>PLoS ONE</i> , 2014, 9, e105717.	1.1	43
35	Eicosanoid Signaling in Insect Immunology: New Genes and Unresolved Issues. <i>Genes</i> , 2021, 12, 211.	1.0	43
36	Sequential immunosuppressive activities of bacterial secondary metabolites from the entomopathogenic bacterium <i>Xenorhabdus nematophila</i> . <i>Journal of Microbiology</i> , 2014, 52, 161-168.	1.3	42

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37	Optimization of recombinant bacteria expressing dsRNA to enhance insecticidal activity against a lepidopteran insect, <i>Spodoptera exigua</i> . PLoS ONE, 2017, 12, e0183054.	1.1	42
38	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
39	Additive effect of teratocyte and calyx fluid from <i>Cotesia plutellae</i> on immunosuppression of <i>Plutella xylostella</i> . Physiological Entomology, 2006, 31, 341-347.	0.6	41
40	Antagonistic effect of juvenile hormone on hemocyte-spreading behavior of <i>Spodoptera exigua</i> in response to an insect cytokine and its putative membrane action. Journal of Insect Physiology, 2008, 54, 909-915.	0.9	41
41	Activation of immune-associated phospholipase A2 is functionally linked to Toll/Imd signal pathways in the red flour beetle, <i>Tribolium castaneum</i> . Developmental and Comparative Immunology, 2010, 34, 530-537.	1.0	41
42	An Insect Prostaglandin E2 Synthase Acts in Immunity and Reproduction. Frontiers in Physiology, 2018, 9, 1231.	1.3	41
43	Biochemical characteristics of immune-associated phospholipase A2 and its inhibition by an entomopathogenic bacterium, <i>Xenorhabdus nematophila</i> . Journal of Microbiology, 2009, 47, 774-782.	1.3	39
44	Identification and Characterization of a Symbiotic Bacterium Associated with <i>Steinernema carpocapsae</i> in Korea. Journal of Asia-Pacific Entomology, 1999, 2, 105-111.	0.4	38
45	Functional binding of a vertebrate hormone, L-3,5,3-triiodothyronine (T3), on insect follicle cell membranes. Insect Biochemistry and Molecular Biology, 1999, 29, 943-950.	1.2	38
46	Plasmatocyte-spreading peptide influences hemocyte behavior via eicosanoids. Archives of Insect Biochemistry and Physiology, 2011, 78, 145-160.	0.6	37
47	RNA interference of glycerol biosynthesis suppresses rapid cold hardening of the beet armyworm, <i>Spodoptera exigua</i> . Journal of Experimental Biology, 2013, 216, 4196-203.	0.8	37
48	A Transformed Bacterium Expressing Double-Stranded RNA Specific to Integrin $\beta 1$ Enhances Bt Toxin Efficacy against a Polyphagous Insect Pest, <i>Spodoptera exigua</i> . PLoS ONE, 2015, 10, e0132631.	1.1	37
49	Regulation of hemolymph trehalose level by an insulin-like peptide through diel feeding rhythm of the beet armyworm, <i>Spodoptera exigua</i> . Peptides, 2015, 68, 91-98.	1.2	37
50	Nitric Oxide Mediates Insect Cellular Immunity via Phospholipase A2 Activation. Journal of Innate Immunity, 2018, 10, 70-81.	1.8	37
51	The bacterium <i>Xenorhabdus nematophila</i> inhibits phospholipases A2 from insect, prokaryote, and vertebrate sources. Die Naturwissenschaften, 2004, 91, 371-3.	0.6	36
52	RNA interference of cadherin gene expression in <i>Spodoptera exigua</i> reveals its significance as a specific Bt target. Journal of Invertebrate Pathology, 2013, 114, 285-291.	1.5	34
53	Variation in pathogenicity of different strains of <i>Xenorhabdus nematophila</i> ; Differential immunosuppressive activities and secondary metabolite production. Journal of Invertebrate Pathology, 2019, 166, 107221.	1.5	34
54	Rac1 mediates cytokine-stimulated hemocyte spreading via prostaglandin biosynthesis in the beet armyworm, <i>Spodoptera exigua</i> . Journal of Insect Physiology, 2013, 59, 682-689.	0.9	32

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55	Real-time monitoring of oriental fruit moth, <i>Grapholita molesta</i> , populations using a remote sensing pheromone trap in apple orchards. <i>Journal of Asia-Pacific Entomology</i> , 2011, 14, 259-262.	0.4	31
56	Insulin signaling mediates previtellogenic development and enhances juvenile hormone-mediated vitellogenesis in a lepidopteran insect, <i>Maruca vitrata</i> . <i>BMC Developmental Biology</i> , 2019, 19, 14.	2.1	31
57	Biosynthetic pathway of arachidonic acid in <i>Spodoptera exigua</i> in response to bacterial challenge. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 111, 103179.	1.2	30
58	Identification of an Entomopathogenic Bacterium, <i>Photorhabdus temperata</i> subsp. <i>temperata</i> , in Korea. <i>Journal of Asia-Pacific Entomology</i> , 2004, 7, 331-337.	0.4	27
59	A novel calcium-independent phospholipase A2 and its physiological roles in development and immunity of a lepidopteran insect, <i>Spodoptera exigua</i> . <i>Developmental and Comparative Immunology</i> , 2017, 77, 210-220.	1.0	27
60	Eicosanoid biosynthesis is activated via Toll, but not Imd signal pathway in response to fungal infection. <i>Journal of Invertebrate Pathology</i> , 2012, 110, 382-388.	1.5	26
61	Toll immune signal activates cellular immune response via eicosanoids. <i>Developmental and Comparative Immunology</i> , 2018, 84, 408-419.	1.0	26
62	Oenocytoid cell lysis to release prophenoloxidase is induced by eicosanoid via protein kinase C. <i>Journal of Asia-Pacific Entomology</i> , 2009, 12, 301-305.	0.4	25
63	A Viral Histone H4 Joins to Eukaryotic Nucleosomes and Alters Host Gene Expression. <i>Journal of Virology</i> , 2013, 87, 11223-11230.	1.5	25
64	Deletion mutant of PGE2 receptor using CRISPR-Cas9 exhibits larval immunosuppression and adult infertility in a lepidopteran insect, <i>Spodoptera exigua</i> . <i>Developmental and Comparative Immunology</i> , 2020, 111, 103743.	1.0	25
65	Teratocyte-secreting proteins of an endoparasitoid wasp, <i>Cotesia plutellae</i> , prevent host metamorphosis by altering endocrine signals. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 166, 251-262.	0.8	24
66	Identification and bacterial characteristics of <i>Xenorhabdus hominickii</i> ANU101 from an entomopathogenic nematode, <i>Steinernema monticolum</i> . <i>Journal of Invertebrate Pathology</i> , 2017, 144, 74-87.	1.5	24
67	Alteration of insulin signaling to control insect pest by using transformed bacteria expressing dsRNA. <i>Pest Management Science</i> , 2020, 76, 1020-1030.	1.7	23
68	Horizontally transmitted parasitoid killing factor shapes insect defense to parasitoids. <i>Science</i> , 2021, 373, 535-541.	6.0	23
69	Comparative transcriptome analysis of sex pheromone glands of two sympatric lepidopteran congener species. <i>Genomics</i> , 2014, 103, 308-315.	1.3	22
70	Eicosanoids up-regulate production of reactive oxygen species by NADPH-dependent oxidase in <i>Spodoptera exigua</i> phagocytic hemocytes. <i>Journal of Insect Physiology</i> , 2015, 79, 63-72.	0.9	22
71	An entomopathogenic bacterium, <i>Xenorhabdus hominickii</i> ANU101, produces oxindole and suppresses host insect immune response by inhibiting eicosanoid biosynthesis. <i>Journal of Invertebrate Pathology</i> , 2017, 145, 13-22.	1.5	22
72	EpOMes act as immune suppressors in a lepidopteran insect, <i>Spodoptera exigua</i> . <i>Scientific Reports</i> , 2020, 10, 20183.	1.6	22

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73	Virulent secondary metabolites of entomopathogenic bacteria genera, <i>Xenorhabdus</i> and <i>Photorhabdus</i> , inhibit phospholipase A2 to suppress host insect immunity. <i>BMC Microbiology</i> , 2020, 20, 359.	1.3	22
74	Role of a small G protein Ras in cellular immune response of the beet armyworm, <i>Spodoptera exigua</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 356-362.	0.9	21
75	Regulation of hemolymph trehalose titers by insulin signaling in the legume pod borer, <i>Maruca vitrata</i> (Lepidoptera: Crambidae). <i>Peptides</i> , 2018, 106, 28-36.	1.2	21
76	Salicylic Acid, a Plant Hormone, Suppresses Phytophagous Insect Immune Response by Interrupting HMG-Like DSP1. <i>Frontiers in Physiology</i> , 2021, 12, 744272.	1.3	21
77	Transient expression of specific <i>Cotesia plutellae</i> bracoviral segments induces prolonged larval development of the diamondback moth, <i>Plutella xylostella</i> . <i>Journal of Insect Physiology</i> , 2010, 56, 650-658.	0.9	20
78	Dual Oxidase-Derived Reactive Oxygen Species Against <i>Bacillus thuringiensis</i> and Its Suppression by Eicosanoid Biosynthesis Inhibitors. <i>Frontiers in Microbiology</i> , 2020, 11, 528.	1.5	20
79	PGE ₂ MEDIATES OENOCYTOID CELL LYSIS VIA A SODIUM-POTASSIUM-CHLORIDE COTRANSPORTER. <i>Archives of Insect Biochemistry and Physiology</i> , 2015, 89, 218-229.	0.6	19
80	Eicosanoid mediation of immune responses at early bacterial infection stage and its inhibition by <i>Photorhabdus temperata</i> subsp. <i>temperata</i> , an entomopathogenic bacterium. <i>Archives of Insect Biochemistry and Physiology</i> , 2018, 99, e21502.	0.6	19
81	Insect prostaglandins and other eicosanoids: From molecular to physiological actions. <i>Advances in Insect Physiology</i> , 2019, , 283-343.	1.1	19
82	Characterization of the first insect prostaglandin (PGE ₂) receptor: MansePGE ₂ R is expressed in oenocytoids and lipoteichoic acid (LTA) increases transcript expression. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 117, 103290.	1.2	19
83	Development of a High Efficient Dual Bt-Plus Insecticide Using a Primary Form of an Entomopathogenic Bacterium, <i>Xenorhabdus nematophila</i> . <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 507-521.	0.9	19
84	Two chemical derivatives of bacterial metabolites suppress cellular immune responses and enhance pathogenicity of <i>Bacillus thuringiensis</i> against the diamondback moth, <i>Plutella xylostella</i> . <i>Journal of Asia-Pacific Entomology</i> , 2010, 13, 55-60.	0.4	18
85	Host translational control of a polydnavirus, <i>Cotesia plutellae</i> bracovirus, by sequestering host eIF4A to prevent formation of a translation initiation complex. <i>Insect Molecular Biology</i> , 2011, 20, 609-618.	1.0	18
86	Immune mediation of HMG-like DSP1 via Toll-Spätzle pathway and its specific inhibition by salicylic acid analogs. <i>PLoS Pathogens</i> , 2021, 17, e1009467.	2.1	18
87	Nitric oxide mediates antimicrobial peptide gene expression by activating eicosanoid signaling. <i>PLoS ONE</i> , 2018, 13, e0193282.	1.1	18
88	Benzylideneacetone suppresses both cellular and humoral immune responses of <i>Spodoptera exigua</i> and enhances fungal pathogenicity. <i>Journal of Asia-Pacific Entomology</i> , 2011, 14, 423-427.	0.4	17
89	JH modulates a cellular immunity of <i>Tribolium castaneum</i> in a Met-independent manner. <i>Journal of Insect Physiology</i> , 2014, 63, 40-47.	0.9	17
90	Differential immunosuppression by inhibiting PLA2 affects virulence of <i>Xenorhabdus hominickii</i> and <i>Photorhabdus temperata</i> . <i>Journal of Invertebrate Pathology</i> , 2018, 157, 136-146.	1.5	17

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91	Inhibition of prostaglandin biosynthesis leads to suppressed ovarian development in <i>Spodoptera exigua</i> . <i>Journal of Insect Physiology</i> , 2019, 114, 83-91.	0.9	17
92	Prostaglandin D2 synthase and its functional association with immune and reproductive processes in a lepidopteran insect, <i>Spodoptera exigua</i> . <i>General and Comparative Endocrinology</i> , 2020, 287, 113352.	0.8	17
93	Insecticidal activity of chlorine dioxide gas by inducing an oxidative stress to the red flour beetle, <i>Tribolium castaneum</i> . <i>Journal of Stored Products Research</i> , 2015, 64, 88-96.	1.2	16
94	Rapid Cold-Hardening of a Subtropical Species, <i>Maruca vitrata</i> (Lepidoptera: Crambidae), Accompanies Hypertrehalosemia by Upregulating Trehalose-6-Phosphate Synthase. <i>Environmental Entomology</i> , 2017, 46, 1432-1438.	0.7	16
95	Why most insects have very low proportions of C20 polyunsaturated fatty acids: The oxidative stress hypothesis. <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 103, e21622.	0.6	16
96	Toll recognition signal activates oenocytoid cell lysis via a crosstalk between plasmatocyte-spreading peptide and eicosanoids in response to a fungal infection. <i>Cellular Immunology</i> , 2012, 279, 117-123.	1.4	15
97	Glyceraldehyde-3-phosphate dehydrogenase is a mediator of hemocyte-spreading behavior and molecular target of immunosuppressive factor CrV1. <i>Developmental and Comparative Immunology</i> , 2016, 54, 97-108.	1.0	15
98	Application of insulin signaling to predict insect growth rate in <i>Maruca vitrata</i> (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	1.1	15
99	An aquaporin mediates cell shape change required for cellular immunity in the beet armyworm, <i>Spodoptera exigua</i> . <i>Scientific Reports</i> , 2019, 9, 4988.	1.6	15
100	Biosynthesis and immunity of epoxyeicosatrienoic acids in a lepidopteran insect, <i>Spodoptera exigua</i> . <i>Developmental and Comparative Immunology</i> , 2020, 107, 103643.	1.0	15
101	The first report of prostacyclin and its physiological roles in insects. <i>General and Comparative Endocrinology</i> , 2021, 301, 113659.	0.8	15
102	Protein tyrosine phosphatase encoded in <i>Cotesia plutellae</i> bracovirus suppresses a larva-to-pupa metamorphosis of the diamondback moth, <i>Plutella xylostella</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 166, 60-69.	0.8	14
103	Different types of fruit damages of three internal apple feeders diagnosed with mitochondrial molecular markers. <i>Journal of Asia-Pacific Entomology</i> , 2013, 16, 189-197.	0.4	14
104	PGE ₂ mediates cytoskeletal rearrangement of hemocytes via Cdc42, a small G protein, to activate actin remodeling factors in <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae). <i>Archives of Insect Biochemistry and Physiology</i> , 2019, 102, e21607.	0.6	14
105	A prophylactic role of a secretory PLA2 of <i>Spodoptera exigua</i> against entomopathogens. <i>Developmental and Comparative Immunology</i> , 2019, 95, 108-117.	1.0	14
106	Variations of Indole Metabolites and NRPS-PKS Loci in Two Different Virulent Strains of <i>Xenorhabdus hominickii</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 583594.	1.5	14
107	PGE ₂ upregulates gene expression of dual oxidase in a lepidopteran insect midgut via cAMP signalling pathway. <i>Open Biology</i> , 2020, 10, 200197.	1.5	14
108	Transient expression of a viral histone H4 inhibits expression of cellular and humoral immune-associated genes in <i>Tribolium castaneum</i> . <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 279-283.	1.0	13

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109	Three metabolites from an entomopathogenic bacterium, <i>Xenorhabdus nematophila</i> , inhibit larval development of <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae) by inhibiting a digestive enzyme, phospholipase A2. <i>Insect Science</i> , 2011, 18, 282-288.	1.5	13
110	A novel polydnalviral gene family, BEN, and its immunosuppressive function in larvae of <i>Plutella xylostella</i> parasitized by <i>Cotesia plutellae</i> . <i>Journal of Invertebrate Pathology</i> , 2012, 110, 389-397.	1.5	13
111	Specific inhibition of <i>Xenorhabdus hominickii</i> , an entomopathogenic bacterium, against different types of host insect phospholipase A2. <i>Journal of Invertebrate Pathology</i> , 2017, 149, 97-105.	1.5	13
112	HMGB1-like dorsal switch protein 1 of the mealworm, <i>Tenebrio molitor</i> , acts as a damage-associated molecular pattern. <i>Archives of Insect Biochemistry and Physiology</i> , 2021, 107, e21795.	0.6	13
113	Change in Hemocyte Populations of the Beet Armyworm, <i>Spodoptera exigua</i> , in Response to Bacterial Infection and Eicosanoid Mediation. <i>Korean Journal of Applied Entomology</i> , 2012, 51, 349-356.	0.3	13
114	Functional study of the gene encoding apolipoprotein III in development and immune responses in the beet armyworm, <i>Spodoptera exigua</i> . <i>Journal of Asia-Pacific Entomology</i> , 2012, 15, 106-112.	0.4	12
115	Benzylideneacetone and other phenylethylamide bacterial metabolites induce apoptosis to kill insects. <i>Journal of Asia-Pacific Entomology</i> , 2020, 23, 449-457.	0.4	12
116	PGE2 mediates hemocyte-spreading behavior by activating aquaporin via cAMP and rearranging actin cytoskeleton via Ca ²⁺ . <i>Developmental and Comparative Immunology</i> , 2021, 125, 104230.	1.0	12
117	In vivo transient expression for the functional analysis of polydnalviral genes. <i>Journal of Invertebrate Pathology</i> , 2012, 111, 152-159.	1.5	11
118	Hemolin, an immunoglobulin-like peptide, opsonizes nonself targets for phagocytosis and encapsulation in <i>Spodoptera exigua</i> , a lepidopteran insect. <i>Journal of Asia-Pacific Entomology</i> , 2019, 22, 947-956.	0.4	11
119	HMGB1-Like Dorsal Switch Protein 1 Triggers a Damage Signal in Mosquito Gut to Activate Dual Oxidase via Eicosanoids. <i>Journal of Innate Immunity</i> , 2022, 14, 657-672.	1.8	11
120	Identification and Pathogenic Characteristics of Two Korean Isolates of <i>Heterorhabditis megidis</i> . <i>Journal of Asia-Pacific Entomology</i> , 2005, 8, 411-418.	0.4	10
121	Altered actin polymerization of <i>Plutella xylostella</i> (L.) in response to ovarian calyx components of an endoparasitoid <i>Cotesia plutellae</i> (Kurdjumov). <i>Physiological Entomology</i> , 2009, 34, 110-118.	0.6	10
122	Phospholipase A2 inhibitors in bacterial culture broth enhance pathogenicity of a fungus <i>Nomuraea rileyi</i> . <i>Journal of Microbiology</i> , 2012, 50, 644-651.	1.3	10
123	Chlorine dioxide enhances lipid peroxidation through inhibiting calcium-independent cellular PLA2 in larvae of the Indianmeal moth, <i>Plodia interpunctella</i> . <i>Pesticide Biochemistry and Physiology</i> , 2017, 143, 48-56.	1.6	10
124	Identification of an entomopathogenic bacterium, <i>Xenorhabdus ehlersii</i> KSY, from <i>Steinernema longicaudum</i> GNUS101 and its immunosuppressive activity against insect host by inhibiting eicosanoid biosynthesis. <i>Journal of Invertebrate Pathology</i> , 2018, 159, 6-17.	1.5	10
125	Phenylethylamides derived from bacterial secondary metabolites specifically inhibit an insect serotonin receptor. <i>Scientific Reports</i> , 2019, 9, 20358.	1.6	10
126	Occurrence of <i>Grapholita dimorpha</i> in Korean Pear Orchards and Cross-trapping of Its Sibling Species, <i>Grapholita molesta</i> , to a Pheromone Lure. <i>Korean Journal of Applied Entomology</i> , 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, <i>Spodoptera exigua</i> . <i>Journal of Asia-Pacific Entomology</i> , 2000, 3, 103-111.	0.4	9
128	PROSTAGLANDIN MEDIATES DOWNREGULATION OF PHENOLOXIDASE ACTIVATION OF <i>Spodoptera exigua</i> VIA PLASMATOCYTE SPREADING PEPTIDE BINDING PROTEIN. <i>Archives of Insect Biochemistry and Physiology</i> , 2014, 85, 234-247.	0.6	9
129	Deletion mutant of sPLA2 using CRISPR/Cas9 exhibits immunosuppression, developmental retardation, and failure of oocyte development in legume pod borer, <i>Maruca vitrata</i> . <i>Developmental and Comparative Immunology</i> , 2020, 103, 103500.	1.0	9
130	Host Immunosuppression Induced by <i>Steinernema feltiae</i> , an Entomopathogenic Nematode, through Inhibition of Eicosanoid Biosynthesis. <i>Insects</i> , 2020, 11, 33.	1.0	9
131	Immunosuppression induced by expression of a viral RNase enhances susceptibility of <i>Plutella xylostella</i> to microbial pesticides. <i>Insect Science</i> , 2012, 19, 47-54.	1.5	8
132	Point mutagenesis reveals that a coiled-coil motif of CrV1 is required for entry to hemocytes to suppress cellular immune responses. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 177, 27-34.	0.8	8
133	Insulin-like peptides of the legume pod borer, <i>Maruca vitrata</i> , and their mediation effects on hemolymph trehalose level, larval development, and adult reproduction. <i>Archives of Insect Biochemistry and Physiology</i> , 2019, 100, e21524.	0.6	8
134	Immunosuppressive Activities of Novel PLA2 Inhibitors from <i>Xenorhabdus hominickii</i> , an Entomopathogenic Bacterium. <i>Insects</i> , 2020, 11, 505.	1.0	8
135	An ovary-specific mucin is associated with choriogenesis mediated by prostaglandin signaling in <i>Spodoptera exigua</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2021, 106, e21748.	0.6	8
136	Technologies Required for Development of Trap-based MAT Control Against the Striped Fruit Fly, <i>Bactrocera scutellata</i> . <i>Korean Journal of Applied Entomology</i> , 2017, , 51-60.	0.3	8
137	Toll signal pathway activating eicosanoid biosynthesis shares its conserved upstream recognition components in a lepidopteran <i>Spodoptera exigua</i> upon infection by <i>Metarhizium rileyi</i> , an entomopathogenic fungus. <i>Journal of Invertebrate Pathology</i> , 2022, 188, 107707.	1.5	8
138	RNA INTERFERENCE OF <i>BROAD</i> GENE EXPRESSION MIMICS ANTIMETAMORPHIC EFFECT OF PYRIPROXYFEN ON THE BEET ARMYWORM, <i>Spodoptera exigua</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2012, 81, 214-227.	0.6	7
139	Identification of a hypertrehalosemic factor in <i>Spodoptera exigua</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2017, 95, e21386.	0.6	7
140	Toll/IMD signal pathways mediate cellular immune responses via induction of intracellular PLA 2 expression. <i>Archives of Insect Biochemistry and Physiology</i> , 2019, 101, e21559.	0.6	7
141	Integrated Pest Management Against <i>Bactrocera</i> Fruit Flies. <i>Korean Journal of Applied Entomology</i> , 2016, , 359-376.	0.3	7
142	Thelytokous Reproduction of Onion Thrips, <i>Thrips tabaci</i> Lindeman 1889, Infesting Welsh Onion and Genetic Variation among Their Subpopulations. <i>Insects</i> , 2022, 13, 78.	1.0	7
143	An Entomopathogenic Bacterium, <i>Xenorhabdus nematophila</i> . Causes Hemocyte Apoptosis of Beet Armyworm, <i>Spodoptera exigua</i> . <i>Journal of Asia-Pacific Entomology</i> , 2005, 8, 153-159.	0.4	6
144	A viral factor, CpBV15 \pm , interacts with a translation initiation factor, eIF2, to suppress host gene expression at a post-transcriptional level. <i>Journal of Invertebrate Pathology</i> , 2013, 114, 34-41.	1.5	6

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145	Characterization of joining sites of a viral histone H4 on host insect chromosomes. PLoS ONE, 2017, 12, e0177066.	1.1	6
146	Development, Reproduction, and Life Table Parameters of the Foxglove Aphid, <i>Aulacorthum solani</i> Kaltentbach (Hemiptera: Aphididae), on Soybean at Constant Temperatures. Insects, 2020, 11, 296.	1.0	6
147	HMG-Like DSP1 Mediates Immune Responses of the Western Flower Thrips (<i>Frankliniella occidentalis</i>) Against <i>Beauveria bassiana</i> , a Fungal Pathogen. Frontiers in Immunology, 2022, 13, 875239.	2.2	6
148	Purification and Characterization of Vitellin and Vitellogenin of the Beet Armyworm, <i>Spodoptera exigua</i> (Noctuidae: Lepidoptera). Journal of Asia-Pacific Entomology, 2003, 6, 37-43.	0.4	5
149	An Entomopathogenic Bacterium, <i>Xenorhabdus nematophila</i> K1, Enhances Baculovirus Pathogenicity against <i>Spodoptera exigua</i> and <i>Plutella xylostella</i> . Journal of Asia-Pacific Entomology, 2006, 9, 179-182.	0.4	5
150	Baculoviral p94 homologs encoded in <i>Cotesia plutellae</i> bracovirus suppress both immunity and development of the diamondback moth, <i>Plutella xylostella</i> . Insect Science, 2016, 23, 235-244.	1.5	5
151	Physiological Alterations in Deletion Mutants of Two Insulin-Like Peptides Encoded in <i>Maruca vitrata</i> Using CRISPR/Cas9. Frontiers in Physiology, 2021, 12, 701616.	1.3	5
152	Prostaglandin catabolism in <i>Spodoptera exigua</i> , a lepidopteran insect. Journal of Experimental Biology, 2020, 223, .	0.8	5
153	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
154	Fatty Acid Composition of Different tissues of <i>Spodoptera exigua</i> Larvae and a Role of Cellular Phospholipase A2. Korean Journal of Applied Entomology, 2016, , 129-138.	0.3	5
155	CRISPR/Cas9 mutagenesis against sex pheromone biosynthesis leads to loss of female attractiveness in <i>Spodoptera exigua</i> , an insect pest. PLoS ONE, 2021, 16, e0259322.	1.1	5
156	Thromboxane Mobilizes Insect Blood Cells to Infection Foci. Frontiers in Immunology, 2021, 12, 791319.	2.2	5
157	Juvenile Hormone Action on Vitellogenesis of the Beet Armyworm, <i>Spodoptera exigua</i> . Journal of Asia-Pacific Entomology, 2004, 7, 73-79.	0.4	4
158	Antiviral activity of the inducible humoral immunity and its suppression by eleven BEN family members encoded in <i>Cotesia plutellae</i> bracovirus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 179, 44-53.	0.8	4
159	Age grading and gene flow of overwintered <i>Bactrocera scutellata</i> populations. Journal of Asia-Pacific Entomology, 2017, 20, 1402-1409.	0.4	4
160	Eicosanoid-induced calcium signaling mediates cellular immune responses of <i>Tenebrio molitor</i> . Entomologia Experimentalis Et Applicata, 2021, 169, 888-898.	0.7	4
161	The prostanoids, thromboxanes, mediate hemocytic immunity to bacterial infection in the lepidopteran <i>Spodoptera exigua</i> . Developmental and Comparative Immunology, 2021, 120, 104069.	1.0	4
162	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

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163	Can <i>Maruca vitrata</i> (Lepidoptera: Crambidae) Over-winter in Suwon Area?. Korean Journal of Applied Entomology, 2016, , 439-444.	0.3	4
164	Overexpression of PGE2 synthase by <i>in vivo</i> transient expression enhances immunocompetency along with fitness cost in a lepidopteran insect. Journal of Experimental Biology, 2019, 222, .	0.8	3
165	Tolerance of the mealworm beetle, <i>Tenebrio molitor</i> , to an entomopathogenic nematode, <i>Steinernema feltiae</i> , at two infection foci, the intestine and the hemocoel. Journal of Invertebrate Pathology, 2020, 174, 107428.	1.5	3
166	Antiviral Treatment Reveals a Cooperative Pathogenicity of Baculovirus and Iflavirus in <i>Spodoptera exigua</i> , a Lepidopteran Insect. Journal of Microbiology and Biotechnology, 2021, 31, 529-539.	0.9	3
167	Repat33 Acts as a Downstream Component of Eicosanoid Signaling Pathway Mediating Immune Responses of <i>Spodoptera exigua</i> , a Lepidopteran Insect. Insects, 2021, 12, 449.	1.0	3
168	Enhanced acetylcholinesterase Activity of the Indianmeal moth, <i>Plodia interpunctella</i> , Under Chlorine Dioxide Treatment and Altered Negative Phototaxis Behavior. Korean Journal of Applied Entomology, 2016, , 27-33.	0.3	3
169	Phurealipids, produced by the entomopathogenic bacteria, <i>Photobacterium</i> , mimic juvenile hormone to suppress insect immunity and immature development. Journal of Invertebrate Pathology, 2022, 193, 107799.	1.5	3
170	Translational Control of Host Gene Expression by a Cys-Motif Protein Encoded in a Bracovirus. PLoS ONE, 2016, 11, e0161661.	1.1	2
171	Simultaneous mating disruption of two <i>Grapholita</i> species in apple orchards. Journal of Asia-Pacific Entomology, 2018, 21, 1144-1152.	0.4	2
172	Survival and life table parameters of soybean pod borer <i>Maruca vitrata</i> (Geyer) (Lepidoptera: Crambidae) on leguminous crop cultivars. Entomological Research, 2019, 49, 483-489.	0.6	2
173	sPLA ₂ behaves like a prophylactic agent and mediates cellular and humoral immune responses in <i>Plutella xylostella</i> . Archives of Insect Biochemistry and Physiology, 2020, 104, e21670.	0.6	2
174	First report of insulin receptor in thysanoptera and its expression variation with development of western flower thrips, <i>Frankliniella occidentalis</i> . Journal of Asia-Pacific Entomology, 2021, , .	0.4	2
175	Genetic Character and Insecticide Susceptibility on a Korean Population of a Subtropical Species, <i>Maruca vitrata</i> . Korean Journal of Applied Entomology, 2016, , 257-266.	0.3	2
176	PGE ₂ mediation of egg development in Western flower thrip, <i>Frankliniella occidentalis</i> . Archives of Insect Biochemistry and Physiology, 0, , .	0.6	2
177	Discrimination of different generations of <i>Zeugodacus scutellata</i> using age grading technique and their local genetic variation. Journal of Asia-Pacific Entomology, 2019, 22, 908-915.	0.4	1
178	Functional interaction of bacterial virulence factors of <i>Xenorhabdus nematophila</i> with a calcium-independent cytosolic PLA2 of <i>Spodoptera exigua</i> . Journal of Invertebrate Pathology, 2020, 169, 107309.	1.5	1
179	Inhibitory Effect of Chlorine Dioxide Using Reactive Oxygen Species Against Heart Contraction of the Indianmeal Moth, <i>Plodia interpunctella</i> . Korean Journal of Applied Entomology, 2017, , 147-152.	0.3	1
180	Chymotrypsin is a molecular target of insect resistance of three corn varieties against the Asian corn borer, <i>Ostrinia furnacalis</i> . PLoS ONE, 2022, 17, e0266751.	1.1	1

#	ARTICLE	IF	CITATIONS
181	Persistent expression of <i>Cotesia plutellae</i> bracovirus genes in parasitized host, <i>Plutella xylostella</i> . PLoS ONE, 2018, 13, e0200663.	1.1	0
182	Screening Technique of Effective Insecticides against the Striped Fruit Fly, <i>Bactrocera scutellata</i> . Nong'yag Gwahag Hoeji, 2018, 22, 29-35.	0.1	0