Heiko Vogel

List of Publications by Year
in descending order

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161	10,438	38742 50	42399 92
papers	citations	h-index	g-index

172	172	172	9634
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Disarming the mustard oil bomb. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11223-11228.	7.1	498
2	The butterfly plant arms-race escalated by gene and genome duplications. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8362-8366.	7.1	458
3	Successful herbivore attack due to metabolic diversion of a plant chemical defense. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4859-4864.	7.1	440
4	Molecular traces of alternative social organization in a termite genome. Nature Communications, 2014, 5, 3636.	12.8	371
5	The genetic basis of a plantâ€“insect coevolutionary key innovation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20427-20431.	7.1	325
6	An ABC Transporter Mutation Is Correlated with Insect Resistance to Bacillus thuringiensis Cry1Ac Toxin. PLoS Genetics, 2010, 6, e1001248.	3.5	312
7	Genomic innovations, transcriptional plasticity and gene loss underlying the evolution and divergence of two highly polyphagous and invasive Helicoverpa pest species. BMC Biology, 2017, 15, 63.	3.8	238
8	Molecular mechanisms of insect adaptation to plant secondary compounds. Current Opinion in Insect Science, 2015, 8, 8-14.	4.4	218
9	A comprehensive transcriptome and immune-gene repertoire of the lepidopteran model host Galleria mellonella. BMC Genomics, 2011, 12, 308.	2.8	210
10	Antimicrobial Peptides: A New Hope in Biomedical and Pharmaceutical Fields. Frontiers in Cellular and Infection Microbiology, 2021, 11, 668632.	3.9	208
11	Comparative analysis of the UDP-glycosyltransferase multigene family in insects. Insect Biochemistry and Molecular Biology, 2012, 42, 133-147.	2.7	200
12	The Glanville fritillary genome retains an ancient karyotype and reveals selective chromosomal fusions in Lepidoptera. Nature Communications, 2014, 5, 4737.	12.8	196
13	Nutritional immunology: Diversification and diet-dependent expression of antimicrobial peptides in the black soldier fly Hermetia illucens. Developmental and Comparative Immunology, 2018, 78, 141-148.	2.3	195
14	Immune system responses and fitness costs associated with consumption of bacteria in larvae of Trichoplusia ni. BMC Biology, 2007, 5, 56.	3.8	176
15	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, Manduca sexta. Insect Biochemistry and Molecular Biology, 2016, 76, 118-147.	2.7	154
16	The maternal transfer of bacteria can mediate trans-generational immune priming in insects. Virulence, 2014, 5, 547-554.	4.4	151
17	Pyrosequencing the Manduca sexta larval midgut transcriptome: messages for digestion, detoxification and defence. Insect Molecular Biology, 2010, 19, 61-75.	2.0	148
18	Drastic Genome Reduction in an Herbivoreâ€™s Pectinolytic Symbiont. Cell, 2017, 171, 1520-1531.e13.	28.9	148

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19	Two Odorant-Binding Proteins Mediate the Behavioural Response of Aphids to the Alarm Pheromone (E)-ÃŸ-farnesene and Structural Analogues. PLoS ONE, 2012, 7, e32759.	2.5	141
20	Vitamin supplementation by gut symbionts ensures metabolic homeostasis in an insect host. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141838.	2.6	132
21	Invasive Harlequin Ladybird Carries Biological Weapons Against Native Competitors. Science, 2013, 340, 862-863.	12.6	131
22	Insect antimicrobial peptides: potential weapons to counteract the antibiotic resistance. Cellular and Molecular Life Sciences, 2021, 78, 4259-4282.	5.4	124
23	Phyllotreta striolataflea beetles use host plant defense compounds to create their own glucosinolate-myrosinase system. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7349-7354.	7.1	116
24	Transcriptome analysis of the sex pheromone gland of the noctuid moth Heliothis virescens. BMC Genomics, 2010, 11, 29.	2.8	115
25	Antimicrobial Peptides Expressed in Medicinal Maggots of the Blow Fly Lucilia sericata Show Combinatorial Activity against Bacteria. Antimicrobial Agents and Chemotherapy, 2015, 59, 2508-2514.	3.2	115
26	The digestive and defensive basis of carcass utilization by the burying beetle and its microbiota. Nature Communications, 2017, 8, 15186.	12.8	112
27	A reference gene set for chemosensory receptor genes of Manduca sexta. Insect Biochemistry and Molecular Biology, 2015, 66, 51-63.	2.7	108
28	Mechanisms of macroevolution: polyphagous plasticity in butterfly larvae revealed by <scp>RNA</scp>â€<scp>S</scp>eq. Molecular Ecology, 2013, 22, 4884-4895.	3.9	101
29	Rearing substrate impacts growth and macronutrient composition of Hermetia illucens (L.) (Diptera:) Tj ETQq1 1 0.784314 rgBT /Ove	3.3	101
30	<scp>RNA</scp>â€sequencing analysis reveals abundant developmental stageâ€specific and immunityâ€related genes in the pollen beetle <scp>M</scp>eligethes aeneus. Insect Molecular Biology, 2014, 23, 98-112.	2.0	100
31	Dietary-dependent trans-generational immune priming in an insect herbivore. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2617-2624.	2.6	97
32	Expansion of the antimicrobial peptide repertoire in the invasive ladybirdHarmonia axyridis. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122113.	2.6	97
33	Sex, offspring and carcass determine antimicrobial peptide expression in the burying beetle. Scientific Reports, 2016, 6, 25409.	3.3	97
34	Potential detoxification of gossypol by UDP-glycosyltransferases in the two Heliothine moth species Helicoverpa armigera and Heliothis virescens. Insect Biochemistry and Molecular Biology, 2016, 71, 49-57.	2.7	97
35	The genomic basis of circadian and circalunar timing adaptations in a midge. Nature, 2016, 540, 69-73.	27.8	96
36	Transcriptional responses underlying the hormetic and detrimental effects of the plant secondary metabolite gossypol on the generalist herbivore Helicoverpa armigera. BMC Genomics, 2011, 12, 575.	2.8	95

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37	The Genomic Basis of Color Pattern Polymorphism in the Harlequin Ladybird. Current Biology, 2018, 28, 3296-3302.e7.	3.9	92
38	Microbiome-assisted carrion preservation aids larval development in a burying beetle. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11274-11279.	7.1	91
39	A bioinformatic study of antimicrobial peptides identified in the Black Soldier Fly (BSF) Hermetia illucens (Diptera: Stratiomyidae). Scientific Reports, 2020, 10, 16875.	3.3	88
40	Adaptive regulation of digestive serine proteases in the larval midgut of Helicoverpa armigera in response to a plant protease inhibitor. Insect Biochemistry and Molecular Biology, 2015, 59, 18-29.	2.7	85
41	Diet dependent metabolic responses in three generalist insect herbivores Spodoptera spp. Insect Biochemistry and Molecular Biology, 2016, 71, 91-105.	2.7	81
42	Evolutionary Origins of a Novel Host Plant Detoxification Gene in Butterflies. Molecular Biology and Evolution, 2008, 25, 809-820.	8.9	79
43	Catechol dioxygenases catalyzing the first step in Norway spruce phenolic degradation are key virulence factors in the bark beetle-vectored fungus Endoconidiophora polonica. Plant Physiology, 2016, 171, pp.01916.2015.	4.8	75
44	Expression pattern analysis of odorantâ€binding proteins in the pea aphid Acyrthosiphon pisum. Insect Science, 2015, 22, 220-234.	3.0	74
45	Novel family of terpene synthases evolved from trans -isoprenyl diphosphate synthases in a flea beetle. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2922-2927.	7.1	72
46	Burying beetles regulate the microbiome of carcasses and use it to transmit a core microbiota to their offspring. Molecular Ecology, 2018, 27, 1980-1991.	3.9	71
47	Characterization of the IÎºB-like gene family in polydnaviruses associated with wasps belonging to different Braconid subfamilies. Journal of General Virology, 2007, 88, 92-104.	2.9	66
48	The plastic response of Manduca sexta to host and non-host plants. Insect Biochemistry and Molecular Biology, 2015, 63, 72-85.	2.7	66
49	Unprecedented reorganization of holocentric chromosomes provides insights into the enigma of lepidopteran chromosome evolution. Science Advances, 2019, 5, eaau3648.	10.3	66
50	Identification and characterization of plant cell wall degrading enzymes from three glycoside hydrolase families in the cerambycid beetle Apriona japonica. Insect Biochemistry and Molecular Biology, 2014, 49, 1-13.	2.7	63
51	Transcriptional analysis of physiological pathways in a generalist herbivore: responses to different host plants and plant structures by the cotton bollworm, Helicoverpa armigera. Entomologia Experimentalis Et Applicata, 2012, 144, 123-133.	1.4	57
52	A Whole-Genome Scan for Association with Invasion Success in the Fruit Fly Drosophila suzukii Using Contrasts of Allele Frequencies Corrected for Population Structure. Molecular Biology and Evolution, 2020, 37, 2369-2385.	8.9	57
53	Aphidius ervi teratocytes release an extracellular enolase. Insect Biochemistry and Molecular Biology, 2009, 39, 801-813.	2.7	54
54	Symbiotic polydnavirus and venom reveal parasitoid to its hyperparasitoids. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5205-5210.	7.1	54

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55	Lipids from Hermetia illucens, an Innovative and Sustainable Source. Sustainability, 2021, 13, 10198.	3.2	52
56	Arabidopsis glucosinolates trigger a contrasting transcriptomic response in a generalist and a specialist herbivore. Insect Biochemistry and Molecular Biology, 2017, 85, 21-31.	2.7	49
57	A hormone-related female anti-aphrodisiac signals temporary infertility and causes sexual abstinence to synchronize parental care. Nature Communications, 2016, 7, 11035.	12.8	48
58	Know your ABCs: Characterization and gene expression dynamics of ABC transporters in the polyphagous herbivore Helicoverpa armigera. Insect Biochemistry and Molecular Biology, 2016, 72, 1-9.	2.7	47
59	Regulation ofHeliothis virescens prothoracic glands byCardiochiles nigriceps polydnavirus. Archives of Insect Biochemistry and Physiology, 1998, 38, 1-10.	1.5	45
60	Lucimycin, an antifungal peptide from the therapeutic maggot of the common green bottle fly Lucilia sericata. Biological Chemistry, 2014, 395, 649-656.	2.5	45
61	Gossypol toxicity and detoxification in Helicoverpa armigera and Heliothis virescens. Insect Biochemistry and Molecular Biology, 2016, 78, 69-77.	2.7	45
62	Identification of major Toxoneuron nigriceps venom proteins using an integrated transcriptomic/proteomic approach. Insect Biochemistry and Molecular Biology, 2016, 76, 49-61.	2.7	44
63	Different Transcript Patterns in Response to Specialist and Generalist Herbivores in the Wild Arabidopsis Relative Boechera divaricarpa. PLoS ONE, 2007, 2, e1081.	2.5	44
64	Prothoracic gland inactivation in Heliothis virescens (F.) (Lepidoptera:Noctuidae) larvae parasitized by Cardiochiles nigriceps Viereck (Hymenoptera:Braconidae). Journal of Insect Physiology, 1998, 44, 845-857.	2.0	42
65	Identification of immunityâ€related genes in the burying beetle Nicrophorus vespilloides by suppression subtractive hybridization. Insect Molecular Biology, 2011, 20, 787-800.	2.0	42
66	Functional amyloids in insect immune response. Insect Biochemistry and Molecular Biology, 2012, 42, 203-211.	2.7	42
67	Toxoneuron nigriceps polydnavirus encodes a putative aspartyl protease highly expressed in parasitized host larvae. Insect Molecular Biology, 2003, 12, 9-17.	2.0	41
68	Protein tyrosine phosphatases ofToxoneuron nigriceps bracovirus as potential disrupters of host prothoracic gland function. Archives of Insect Biochemistry and Physiology, 2006, 61, 157-169.	1.5	41
69	Genetic basis of allochronic differentiation in the fall armyworm. BMC Evolutionary Biology, 2017, 17, 68.	3.2	41
70	An Insect Counteradaptation against Host Plant Defenses Evolved through Concerted Neofunctionalization. Molecular Biology and Evolution, 2019, 36, 930-941.	8.9	41
71	Epigenetic Mechanisms Are Involved in Sex-Specific Trans-Generational Immune Priming in the Lepidopteran Model Host Manduca sexta. Frontiers in Physiology, 2019, 10, 137.	2.8	41
72	Comparative genomics of the mimicry switch inPapilio dardanus. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140465.	2.6	40

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73	Evolution of moth sex pheromone composition by a single amino acid substitution in a fatty acid desaturase. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12586-12591.	7.1	39
74	Chemosensory proteins, major salivary factors in caterpillar mandibular glands. Insect Biochemistry and Molecular Biology, 2012, 42, 796-805.	2.7	38
75	Two c-type lysozymes boost the innate immune system of the invasive ladybird Harmonia axyridis. Developmental and Comparative Immunology, 2015, 49, 303-312.	2.3	37
76	De novo sequencing of the Hypericum perforatum L. flower transcriptome to identify potential genes that are related to plant reproduction sensu lato. BMC Genomics, 2015, 16, 254.	2.8	37
77	Bacterial feeding induces changes in immune-related gene expression and has trans-generational impacts in the cabbage looper (Trichoplusia ni). Frontiers in Zoology, 2009, 6, 7.	2.0	36
78	Egg survival is reduced by grave-soil microbes in the carrion beetle, Nicrophorus vespilloides. BMC Evolutionary Biology, 2014, 14, 208.	3.2	36
79	The shrunken genome of Arabidopsis thaliana. Plant Systematics and Evolution, 2008, 273, 257-271.	0.9	35
80	Expression of a Toxoneuron nigriceps polydnavirus-encoded protein causes apoptosis-like programmed cell death in lepidopteran insect cells. Journal of General Virology, 2005, 86, 963-971.	2.9	34
81	Parasitic waspâ€associated symbiont affects plantâ€mediated species interactions between herbivores. Ecology Letters, 2018, 21, 957-967.	6.4	34
82	Lipids from Insects in Cosmetics and for Personal Care Products. Insects, 2022, 13, 41.	2.2	34
83	Dietary sterols/steroids and the generalist caterpillar Helicoverpa zea: Physiology, biochemistry and midgut gene expression. Insect Biochemistry and Molecular Biology, 2012, 42, 835-845.	2.7	33
84	Antibiotic-Producing Beneficial Bacteria in the Gut of the Burying Beetle Nicrophorus vespilloides. Frontiers in Microbiology, 2019, 10, 1178.	3.5	33
85	Host plant shifts affect a major defense enzyme inChrysomela lapponica. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4897-4901.	7.1	31
86	Effects of physiological shock treatments on toxicity and polyketide synthase gene expression inPrymnesium parvum(Prymnesiophyceae). European Journal of Phycology, 2011, 46, 193-201.	2.0	29
87	Sensilla Morphology and Complex Expression Pattern of Odorant Binding Proteins in the Vetch Aphid Megoura viciae (Hemiptera: Aphididae). Frontiers in Physiology, 2018, 9, 777.	2.8	29
88	A flavin-dependent monooxgenase confers resistance to chlorantraniliprole in the diamondback moth, Plutella xylostella. Insect Biochemistry and Molecular Biology, 2019, 115, 103247.	2.7	29
89	The Fall Armyworm Spodoptera frugiperda Utilizes Specific UDP-Glycosyltransferases to Inactivate Maize Defensive Benzoxazinoids. Frontiers in Physiology, 2020, 11, 604754.	2.8	29
90	Transcriptional responses to shortâ€term and longâ€term host plant experience and parasite load in an oligophagous beetle. Molecular Ecology, 2017, 26, 6370-6383.	3.9	28

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91	UDP-glycosyltransferase family in Haemonchus contortus: Phylogenetic analysis, constitutive expression, sex-differences and resistance-related differences. International Journal for Parasitology: Drugs and Drug Resistance, 2018, 8, 420-429.	3.4	28
92	Microsatellites isolated from diamondback moth, Plutella xylostella (L.), for studies of dispersal in Australian populations. Molecular Ecology Notes, 2005, 5, 51-53.	1.7	27
93	Metabolism, excretion and avoidance of cyanogenic glucosides in insects with different feeding specialisations. Insect Biochemistry and Molecular Biology, 2015, 66, 119-128.	2.7	27
94	Immune modulation enables a specialist insect to benefit from antibacterial withanolides in its host plant. Nature Communications, 2016, 7, 12530.	12.8	27
95	Comparative transcriptomics in three ladybird species supports a role for immunity in invasion biology. Developmental and Comparative Immunology, 2017, 67, 452-456.	2.3	27
96	Silencing of the DNA methyltransferase 1 associated protein 1 (DMAP1) gene in the invasive ladybird Harmonia axyridis implies a role of the DNA methyltransferase 1â€DMAP1 complex in female fecundity. Insect Molecular Biology, 2020, 29, 148-159.	2.0	26
97	Expansion of the fatty acyl reductase gene family shaped pheromone communication in Hymenoptera. ELife, 2019, 8, .	6.0	26
98	The role of desaturases in the biosynthesis of marking pheromones in bumblebee males. Insect Biochemistry and Molecular Biology, 2013, 43, 724-731.	2.7	25
99	A switch from constitutive chemical defence to inducible innate immune responses in the invasive ladybird Harmonia axyridis. Biology Letters, 2013, 9, 20130006.	2.3	25
100	Evolutionary ecology of microsporidia associated with the invasive ladybird Harmonia axyridis. Insect Science, 2015, 22, 313-324.	3.0	25
101	Hermetia illucens (L.) (Diptera: Stratiomyidae) Odorant Binding Proteins and Their Interactions with Selected Volatile Organic Compounds: An In Silico Approach. Insects, 2021, 12, 814.	2.2	25
102	Endogenous egg immune defenses in the yellow mealworm beetle (Tenebrio molitor). Developmental and Comparative Immunology, 2017, 70, 1-8.	2.3	24
103	Behavioral and Immunological Features Promoting the Invasive Performance of the Harlequin Ladybird Harmonia axyridis. Frontiers in Ecology and Evolution, 2017, 5, .	2.2	24
104	The multifunctional polydnavirus TnBVANK1 protein: impact on host apoptotic pathway. Scientific Reports, 2017, 7, 11775.	3.3	23
105	Transmission of a Protease-Secreting Bacterial Symbiont Among Pea Aphids via Host Plants. Frontiers in Physiology, 2019, 10, 438.	2.8	23
106	Population-specific expression of antimicrobial peptides conferring pathogen resistance in the invasive ladybird Harmonia axyridis. Scientific Reports, 2018, 8, 3600.	3.3	22
107	Ecdysteroidogenesis and development in Heliothis virescens (Lepidoptera: Noctuidae): Focus on PTTH-stimulated pathways. Journal of Insect Physiology, 2018, 107, 57-67.	2.0	22
108	The impact on microtubule network of a bracovirus IÎºB-like protein. Cellular and Molecular Life Sciences, 2010, 67, 1699-1712.	5.4	21

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109	Immune defence strategies of generalist and specialist insect herbivores. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140897.	2.6	21
110	Sugar transporters enable a leaf beetle to accumulate plant defense compounds. Nature Communications, 2021, 12, 2658.	12.8	21
111	The unique antimicrobial peptide repertoire of stick insects. Developmental and Comparative Immunology, 2020, 103, 103471.	2.3	20
112	Chemical Defense Balanced by Sequestration and De Novo Biosynthesis in a Lepidopteran Specialist. PLoS ONE, 2014, 9, e108745.	2.5	20
113	Molecular Mechanism of the Two-Component Suicidal Weapon ofNeocapritermes taracuaOld Workers. Molecular Biology and Evolution, 2016, 33, 809-819.	8.9	19
114	Functional insights from the GC-poor genomes of two aphid parasitoids, Aphidius ervi and Lysiphlebus fabarum. BMC Genomics, 2020, 21, 376.	2.8	19
115	Transcriptomic Immune Response of the Cotton Stainer Dysdercus fasciatus to Experimental Elimination of Vitamin-Supplementing Intestinal Symbionts. PLoS ONE, 2014, 9, e114865.	2.5	18
116	Symbiontâ€mediated chemical defense in the invasive ladybird Harmonia axyridis. Ecology and Evolution, 2019, 9, 1715-1729.	1.9	18
117	Proteo-Transcriptomic Characterization of the Venom from the Endoparasitoid Wasp Pimpla turionellae with Aspects on Its Biology and Evolution. Toxins, 2019, 11, 721.	3.4	18
118	Microevolutionary dynamics of a macroevolutionary key innovation in a Lepidopteran herbivore. BMC Evolutionary Biology, 2010, 10, 60.	3.2	17
119	Expression and characterization of a recombinant iâ€type lysozyme from the harlequin ladybird beetle <scp>H</scp>armonia axyridis. Insect Molecular Biology, 2016, 25, 202-215.	2.0	17
120	A highly-contiguous genome assembly of the Eurasian spruce bark beetle, Ips typographus, provides insight into a major forest pest. Communications Biology, 2021, 4, 1059.	4.4	17
121	Structural and Functional Characterization of a Novel Recombinant Antimicrobial Peptide from Hermetia illucens. Current Issues in Molecular Biology, 2022, 44, 1-13.	2.4	17
122	Transcriptomics Reveal the Survival Strategies of Enterococcus mundtii in the Gut of Spodoptera littoralis. Journal of Chemical Ecology, 2021, 47, 227-241.	1.8	16
123	Gut Transcription in Helicoverpa zea is Dynamically Altered in Response to Baculovirus Infection. Insects, 2013, 4, 506-520.	2.2	15
124	Reliable reference gene selection for quantitative real time PCR in Haemonchus contortus. Molecular and Biochemical Parasitology, 2015, 201, 123-127.	1.1	15
125	Larval Helicoverpa zea Transcriptional, Growth and Behavioral Responses to Nicotine and Nicotiana tabacum. Insects, 2014, 5, 668-688.	2.2	14
126	Offspring dependence on parental care and the role of parental transfer of oral fluids in burying beetles. Frontiers in Zoology, 2018, 15, 33.	2.0	14

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127	Molecular signatures of selection associated with host plant differences in Pieris butterflies. Molecular Ecology, 2019, 28, 4958-4970.	3.9	14
128	Contextâ€dependent venom deployment and protein composition in two assassin bugs. Ecology and Evolution, 2020, 10, 9932-9947.	1.9	14
129	Pectin Digestion in Herbivorous Beetles: Impact of Pseudoenzymes Exceeds That of Their Active Counterparts. Frontiers in Physiology, 2019, 10, 685.	2.8	13
130	Phylogenetic relatedness and host plant growth form influence gene expression of the polyphagous comma butterfly (Polygonia c-album). BMC Genomics, 2009, 10, 506.	2.8	12
131	Extracellular matrix degradation via enolase/plasminogen interaction: Evidence for a mechanism conserved in Metazoa. Biology of the Cell, 2016, 108, 161-178.	2.0	12
132	Exploring complex pheromone biosynthetic processes in the bumblebee male labial gland by RNA sequencing. Insect Molecular Biology, 2016, 25, 295-314.	2.0	12
133	Aphidius ervi Teratocytes Release Enolase and Fatty Acid Binding Protein Through Exosomal Vesicles. Frontiers in Physiology, 2019, 10, 715.	2.8	12
134	Differential regulation of host plant adaptive genes in Pieris butterflies exposed to a range of glucosinolate profiles in their host plants. Scientific Reports, 2019, 9, 7256.	3.3	12
135	Functional olfactory evolution in Drosophila suzukii and the subgenus Sophophora. IScience, 2022, 25, 104212.	4.1	12
136	Novel Factors of Viral Origin Inhibit TOR Pathway Gene Expression. Frontiers in Physiology, 2018, 9, 1678.	2.8	11
137	Rust Infection of Black Poplar Trees Reduces Photosynthesis but Does Not Affect Isoprene Biosynthesis or Emission. Frontiers in Plant Science, 2018, 9, 1733.	3.6	11
138	Accessing the Transcriptome: How to Normalize mRNA Pools. Methods in Molecular Biology, 2012, 772, 105-128.	0.9	10
139	Comparative analysis of two phenologically divergent populations of the pine processionary moth (Thaumetopoea pityocampa) by de novo transcriptome sequencing. Insect Biochemistry and Molecular Biology, 2014, 46, 31-42.	2.7	10
140	The Lepidopteran endoribonuclease-U domain protein P102 displays dramatically reduced enzymatic activity and forms functional amyloids. Developmental and Comparative Immunology, 2014, 47, 129-139.	2.3	9
141	Molecular identification and characterization of rhodaneses from the insect herbivore Pieris rapae. Scientific Reports, 2018, 8, 10819.	3.3	9
142	A highly contiguous genome assembly of the bat hawkmoth Hyles vespertilio (Lepidoptera: Sphingidae). GigaScience, 2020, 9, .	6.4	8
143	Developmental and sexual divergence in the olfactory system of the marine insect Clunio marinus. Scientific Reports, 2020, 10, 2125.	3.3	7
144	The Genome of the Margined White Butterfly (Pieris macdunnoughii): Sex Chromosome Insights and the Power of Polishing with PoolSeq Data. Genome Biology and Evolution, 2021, 13, .	2.5	7

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145	ProofÂof anthocyanins in the carnivorous plant genus Nepenthes. FEBS Open Bio, 2021, 11, 2576-2585.	2.3	7
146	Integrin Î² subunit and its RNA interference in immune and developmental processes of the Oriental tobacco budworm, Helicoverpa assulta. Developmental and Comparative Immunology, 2014, 47, 59-67.	2.3	6
147	Antimicrobial Peptides from Rat-Tailed Maggots of the Drone Fly Eristalis tenax Show Potent Activity against Multidrug-Resistant Gram-Negative Bacteria. Microorganisms, 2020, 8, 626.	3.6	6
148	A highâ€quality functional genome assembly of Delia radicum L. (Diptera: Anthomyiidae) annotated from egg to adult. Molecular Ecology Resources, 2022, 22, 1954-1971.	4.8	6
149	Role of Ovarian Proteins Secreted by Toxoneuron nigriceps (Viereck) (Hymenoptera, Braconidae) in the Early Suppression of Host Immune Response. Insects, 2021, 12, 33.	2.2	5
150	Hexapod Assassinsâ€™ Potion: Venom Composition and Bioactivity from the Eurasian Assassin Bug Rhynocoris iracundus. Biomedicines, 2021, 9, 819.	3.2	5
151	Identification and Functional Characterization of Toxoneuron nigriceps Ovarian Proteins Involved in the Early Suppression of Host Immune Response. Insects, 2022, 13, 144.	2.2	5
152	Larvae of the Clothing Moth Tineola bisselliella Maintain Gut Bacteria that Secrete Enzyme Cocktails to Facilitate the Digestion of Keratin. Microorganisms, 2020, 8, 1415.	3.6	4
153	Consumption of gossypol increases fatty acidâ€amino acid conjugates in the cotton pests Helicoverpa armigera and Heliothis virescens. Archives of Insect Biochemistry and Physiology, 2021, 108, e21843.	1.5	4
154	Genomic analysis of novel Yarrowia-like yeast symbionts associated with the carrion-feeding burying beetle Nicrophorus vespilloides. BMC Genomics, 2021, 22, 323.	2.8	3
155	Next-Generation Sequencing Analysis of the Tineola bisselliella Larval Gut Transcriptome Reveals Candidate Enzymes for Keratin Digestion. Genes, 2021, 12, 1113.	2.4	3
156	Microevolution of Pieris butterfly genes involved in host plant adaptation along a host plant community cline. Molecular Ecology, 2022, 31, 3083-3097.	3.9	3
157	Quantity versus quality: Effects of diet protein-carbohydrate ratios and amounts on insect herbivore gene expression. Insect Biochemistry and Molecular Biology, 2022, 145, 103773.	2.7	3
158	Data set for diet specific differential gene expression analysis in three Spodoptera moths. Data in Brief, 2016, 8, 448-455.	1.0	1
159	The taste of origin in a lady beetle: do males discriminate between females based on cuticular hydrocarbons?. Physiological Entomology, 2019, 44, 160-168.	1.5	1
160	An Integratedâ€”Omics/Chemistry Approach Unravels Enzymatic and Spontaneous Steps to Form Flavoalkaloidal Nudicaulin Pigments in Flowers of Papaver nudicaule L.. International Journal of Molecular Sciences, 2021, 22, 4129.	4.1	1
161	Ecdysteroidogenesis in Heliothis virescens (Lepidoptera: Noctuidae): Recombinant Prothoracicotropic Hormone and Brain Extract Show Comparable Effects. Journal of Insect Science, 2019, 19, .	1.5	0