

Heiko Vogel

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

10,438
citations

38742

50
h-index

42399

92
g-index

172
all docs

172
docs citations

172
times ranked

9634
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and Functional Characterization of <i>Toxoneuron nigriceps</i> Ovarian Proteins Involved in the Early Suppression of Host Immune Response. <i>Insects</i> , 2022, 13, 144.	2.2	5
2	A high-quality functional genome assembly of <i>Delia radicum</i> L. (Diptera: Anthomyiidae) annotated from egg to adult. <i>Molecular Ecology Resources</i> , 2022, 22, 1954-1971.	4.8	6
3	Microevolution of <i>Pieris</i> butterfly genes involved in host plant adaptation along a host plant community cline. <i>Molecular Ecology</i> , 2022, 31, 3083-3097.	3.9	3
4	Functional olfactory evolution in <i>Drosophila suzukii</i> and the subgenus <i>Sophophora</i> . <i>IScience</i> , 2022, 25, 104212.	4.1	12
5	Quantity versus quality: Effects of diet protein-carbohydrate ratios and amounts on insect herbivore gene expression. <i>Insect Biochemistry and Molecular Biology</i> , 2022, 145, 103773.	2.7	3
6	Lipids from Insects in Cosmetics and for Personal Care Products. <i>Insects</i> , 2022, 13, 41.	2.2	34
7	Structural and Functional Characterization of a Novel Recombinant Antimicrobial Peptide from <i>Hermetia illucens</i> . <i>Current Issues in Molecular Biology</i> , 2022, 44, 1-13.	2.4	17
8	Role of Ovarian Proteins Secreted by <i>Toxoneuron nigriceps</i> (Viereck) (Hymenoptera, Braconidae) in the Early Suppression of Host Immune Response. <i>Insects</i> , 2021, 12, 33.	2.2	5
9	Transcriptomics Reveal the Survival Strategies of <i>Enterococcus mundtii</i> in the Gut of <i>Spodoptera littoralis</i> . <i>Journal of Chemical Ecology</i> , 2021, 47, 227-241.	1.8	16
10	Insect antimicrobial peptides: potential weapons to counteract the antibiotic resistance. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 4259-4282.	5.4	124
11	The Genome of the Margined White Butterfly (<i>Pieris macdunnoughii</i>): Sex Chromosome Insights and the Power of Polishing with PoolSeq Data. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	7
12	An Integrated Omics/Chemistry Approach Unravels Enzymatic and Spontaneous Steps to Form Flavoalkaloidal Nudicaulin Pigments in Flowers of <i>Papaver nudicaule</i> L. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4129.	4.1	1
13	Sugar transporters enable a leaf beetle to accumulate plant defense compounds. <i>Nature Communications</i> , 2021, 12, 2658.	12.8	21
14	Genomic analysis of novel <i>Yarrowia</i> -like yeast symbionts associated with the carrion-feeding burying beetle <i>Nicrophorus vespilloides</i> . <i>BMC Genomics</i> , 2021, 22, 323.	2.8	3
15	Antimicrobial Peptides: A New Hope in Biomedical and Pharmaceutical Fields. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 668632.	3.9	208
16	Next-Generation Sequencing Analysis of the <i>Tineola bisselliella</i> Larval Gut Transcriptome Reveals Candidate Enzymes for Keratin Digestion. <i>Genes</i> , 2021, 12, 1113.	2.4	3
17	Hexapod Assassins™ Potion: Venom Composition and Bioactivity from the Eurasian Assassin Bug <i>Rhynocoris iracundus</i> . <i>Biomedicines</i> , 2021, 9, 819.	3.2	5
18	Proof of anthocyanins in the carnivorous plant genus <i>Nepenthes</i> . <i>FEBS Open Bio</i> , 2021, 11, 2576-2585.	2.3	7

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19	Consumption of gossypol increases fatty acid- amino acid conjugates in the cotton pests <i>Helicoverpa armigera</i> and <i>Heliothis virescens</i> . Archives of Insect Biochemistry and Physiology, 2021, 108, e21843.	1.5	4
20	<i>Hermetia illucens</i> (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
21	Lipids from <i>Hermetia illucens</i> , an Innovative and Sustainable Source. Sustainability, 2021, 13, 10198.	3.2	52
22	A highly-contiguous genome assembly of the Eurasian spruce bark beetle, <i>Ips typographus</i> , provides insight into a major forest pest. Communications Biology, 2021, 4, 1059.	4.4	17
23	Silencing of the DNA methyltransferase 1 associated protein 1 (<i>DMAP1</i>) gene in the invasive ladybird <i>Harmonia axyridis</i> implies a role of the DNA methyltransferase-DMAP1 complex in female fecundity. Insect Molecular Biology, 2020, 29, 148-159.	2.0	26
24	The unique antimicrobial peptide repertoire of stick insects. Developmental and Comparative Immunology, 2020, 103, 103471.	2.3	20
25	Larvae of the Clothing Moth <i>Tineola bisselliella</i> Maintain Gut Bacteria that Secrete Enzyme Cocktails to Facilitate the Digestion of Keratin. Microorganisms, 2020, 8, 1415.	3.6	4
26	A bioinformatic study of antimicrobial peptides identified in the Black Soldier Fly (BSF) <i>Hermetia illucens</i> (Diptera: Stratiomyidae). Scientific Reports, 2020, 10, 16875.	3.3	88
27	Rearing substrate impacts growth and macronutrient composition of <i>Hermetia illucens</i> (L.) (Diptera: Tj ETQq1 1 0.784314 rgBT /Ove 3.3 901	3.3	901
28	Context-dependent venom deployment and protein composition in two assassin bugs. Ecology and Evolution, 2020, 10, 9932-9947.	1.9	14
29	The Fall Armyworm <i>Spodoptera frugiperda</i> Utilizes Specific UDP-Glycosyltransferases to Inactivate Maize Defensive Benzoxazinoids. Frontiers in Physiology, 2020, 11, 604754.	2.8	29
30	Functional insights from the GC-poor genomes of two aphid parasitoids, <i>Aphidius ervi</i> and <i>Lysiphlebus fabarum</i> . BMC Genomics, 2020, 21, 376.	2.8	19
31	A highly contiguous genome assembly of the bat hawkmoth <i>Hyles vespertilio</i> (Lepidoptera: Sphingidae). GigaScience, 2020, 9, .	6.4	8
32	Developmental and sexual divergence in the olfactory system of the marine insect <i>Clunio marinus</i> . Scientific Reports, 2020, 10, 2125.	3.3	7
33	Antimicrobial Peptides from Rat-Tailed Maggots of the Drone Fly <i>Eristalis tenax</i> Show Potent Activity against Multidrug-Resistant Gram-Negative Bacteria. Microorganisms, 2020, 8, 626.	3.6	6
34	A Whole-Genome Scan for Association with Invasion Success in the Fruit Fly <i>Drosophila suzukii</i> Using Contrasts of Allele Frequencies Corrected for Population Structure. Molecular Biology and Evolution, 2020, 37, 2369-2385.	8.9	57
35	Pectin Digestion in Herbivorous Beetles: Impact of Pseudoenzymes Exceeds That of Their Active Counterparts. Frontiers in Physiology, 2019, 10, 685.	2.8	13
36	Ecdysteroidogenesis in <i>Heliothis virescens</i> (Lepidoptera: Noctuidae): Recombinant Prothoracicotropic Hormone and Brain Extract Show Comparable Effects. Journal of Insect Science, 2019, 19, .	1.5	0

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37	Aphidius ervi Teratocytes Release Enolase and Fatty Acid Binding Protein Through Exosomal Vesicles. <i>Frontiers in Physiology</i> , 2019, 10, 715.	2.8	12
38	A flavin-dependent monooxygenase confers resistance to chlorantraniliprole in the diamondback moth, <i>Plutella xylostella</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 115, 103247.	2.7	29
39	Molecular signatures of selection associated with host plant differences in <i>Pieris</i> butterflies. <i>Molecular Ecology</i> , 2019, 28, 4958-4970.	3.9	14
40	Antibiotic-Producing Beneficial Bacteria in the Gut of the Burying Beetle <i>Nicrophorus vespilloides</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1178.	3.5	33
41	Unprecedented reorganization of holocentric chromosomes provides insights into the enigma of lepidopteran chromosome evolution. <i>Science Advances</i> , 2019, 5, eaau3648.	10.3	66
42	Differential regulation of host plant adaptive genes in <i>Pieris</i> butterflies exposed to a range of glucosinolate profiles in their host plants. <i>Scientific Reports</i> , 2019, 9, 7256.	3.3	12
43	The taste of origin in a lady beetle: do males discriminate between females based on cuticular hydrocarbons?. <i>Physiological Entomology</i> , 2019, 44, 160-168.	1.5	1
44	Symbiont-mediated chemical defense in the invasive ladybird <i>Harmonia axyridis</i> . <i>Ecology and Evolution</i> , 2019, 9, 1715-1729.	1.9	18
45	Transmission of a Protease-Secreting Bacterial Symbiont Among Pea Aphids via Host Plants. <i>Frontiers in Physiology</i> , 2019, 10, 438.	2.8	23
46	An Insect Counteradaptation against Host Plant Defenses Evolved through Concerted Neofunctionalization. <i>Molecular Biology and Evolution</i> , 2019, 36, 930-941.	8.9	41
47	Epigenetic Mechanisms Are Involved in Sex-Specific Trans-Generational Immune Priming in the Lepidopteran Model Host <i>Manduca sexta</i> . <i>Frontiers in Physiology</i> , 2019, 10, 137.	2.8	41
48	Proteo-Transcriptomic Characterization of the Venom from the Endoparasitoid Wasp <i>Pimpla turionellae</i> with Aspects on Its Biology and Evolution. <i>Toxins</i> , 2019, 11, 721.	3.4	18
49	Expansion of the fatty acyl reductase gene family shaped pheromone communication in Hymenoptera. <i>ELife</i> , 2019, 8, .	6.0	26
50	Population-specific expression of antimicrobial peptides conferring pathogen resistance in the invasive ladybird <i>Harmonia axyridis</i> . <i>Scientific Reports</i> , 2018, 8, 3600.	3.3	22
51	Parasitic wasp-associated symbiont affects plant-mediated species interactions between herbivores. <i>Ecology Letters</i> , 2018, 21, 957-967.	6.4	34
52	Ecdysteroidogenesis and development in <i>Heliothis virescens</i> (Lepidoptera: Noctuidae): Focus on PTH-stimulated pathways. <i>Journal of Insect Physiology</i> , 2018, 107, 57-67.	2.0	22
53	Symbiotic polydnavirus and venom reveal parasitoid to its hyperparasitoids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5205-5210.	7.1	54
54	Burying beetles regulate the microbiome of carcasses and use it to transmit a core microbiota to their offspring. <i>Molecular Ecology</i> , 2018, 27, 1980-1991.	3.9	71

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55	Nutritional immunology: Diversification and diet-dependent expression of antimicrobial peptides in the black soldier fly <i>Hermetia illucens</i> . <i>Developmental and Comparative Immunology</i> , 2018, 78, 141-148.	2.3	195
56	Novel Factors of Viral Origin Inhibit TOR Pathway Gene Expression. <i>Frontiers in Physiology</i> , 2018, 9, 1678.	2.8	11
57	Rust Infection of Black Poplar Trees Reduces Photosynthesis but Does Not Affect Isoprene Biosynthesis or Emission. <i>Frontiers in Plant Science</i> , 2018, 9, 1733.	3.6	11
58	UDP-glycosyltransferase family in <i>Haemonchus contortus</i> : Phylogenetic analysis, constitutive expression, sex-differences and resistance-related differences. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 420-429.	3.4	28
59	Microbiome-assisted carrion preservation aids larval development in a burying beetle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11274-11279.	7.1	91
60	Offspring dependence on parental care and the role of parental transfer of oral fluids in burying beetles. <i>Frontiers in Zoology</i> , 2018, 15, 33.	2.0	14
61	Sensilla Morphology and Complex Expression Pattern of Odorant Binding Proteins in the Vetch Aphid <i>Megoura viciae</i> (Hemiptera: Aphididae). <i>Frontiers in Physiology</i> , 2018, 9, 777.	2.8	29
62	Molecular identification and characterization of rhodanases from the insect herbivore <i>Pieris rapae</i> . <i>Scientific Reports</i> , 2018, 8, 10819.	3.3	9
63	The Genomic Basis of Color Pattern Polymorphism in the Harlequin Ladybird. <i>Current Biology</i> , 2018, 28, 3296-3302.e7.	3.9	92
64	Genetic basis of allochronic differentiation in the fall armyworm. <i>BMC Evolutionary Biology</i> , 2017, 17, 68.	3.2	41
65	The digestive and defensive basis of carcass utilization by the burying beetle and its microbiota. <i>Nature Communications</i> , 2017, 8, 15186.	12.8	112
66	<i>Arabidopsis</i> glucosinolates trigger a contrasting transcriptomic response in a generalist and a specialist herbivore. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 85, 21-31.	2.7	49
67	Endogenous egg immune defenses in the yellow mealworm beetle (<i>Tenebrio molitor</i>). <i>Developmental and Comparative Immunology</i> , 2017, 70, 1-8.	2.3	24
68	The multifunctional polydnavirus TnBVANK1 protein: impact on host apoptotic pathway. <i>Scientific Reports</i> , 2017, 7, 11775.	3.3	23
69	Transcriptional responses to short-term and long-term host plant experience and parasite load in an oligophagous beetle. <i>Molecular Ecology</i> , 2017, 26, 6370-6383.	3.9	28
70	Drastic Genome Reduction in an Herbivore's Pectinolytic Symbiont. <i>Cell</i> , 2017, 171, 1520-1531.e13.	28.9	148
71	Comparative transcriptomics in three ladybird species supports a role for immunity in invasion biology. <i>Developmental and Comparative Immunology</i> , 2017, 67, 452-456.	2.3	27
72	Behavioral and Immunological Features Promoting the Invasive Performance of the Harlequin Ladybird <i>Harmonia axyridis</i> . <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	24

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73	Genomic innovations, transcriptional plasticity and gene loss underlying the evolution and divergence of two highly polyphagous and invasive <i>Helicoverpa</i> pest species. <i>BMC Biology</i> , 2017, 15, 63.	3.8	238
74	Catechol dioxygenases catalyzing the first step in Norway spruce phenolic degradation are key virulence factors in the bark beetle-vectored fungus <i>Endoconidiophora polonica</i> . <i>Plant Physiology</i> , 2016, 171, pp.01916.2015.	4.8	75
75	Expression and characterization of a recombinant α -type lysozyme from the harlequin ladybird beetle <i>Harmonia axyridis</i> . <i>Insect Molecular Biology</i> , 2016, 25, 202-215.	2.0	17
76	Extracellular matrix degradation via enolase/plasminogen interaction: Evidence for a mechanism conserved in Metazoa. <i>Biology of the Cell</i> , 2016, 108, 161-178.	2.0	12
77	Identification of major <i>Toxoneuron nigriceps</i> venom proteins using an integrated transcriptomic/proteomic approach. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 76, 49-61.	2.7	44
78	Exploring complex pheromone biosynthetic processes in the bumblebee male labial gland by RNA sequencing. <i>Insect Molecular Biology</i> , 2016, 25, 295-314.	2.0	12
79	A hormone-related female anti-aphrodisiac signals temporary infertility and causes sexual abstinence to synchronize parental care. <i>Nature Communications</i> , 2016, 7, 11035.	12.8	48
80	Novel family of terpene synthases evolved from <i>trans</i> -isoprenyl diphosphate synthases in a flea beetle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2922-2927.	7.1	72
81	Gossypol toxicity and detoxification in <i>Helicoverpa armigera</i> and <i>Heliothis virescens</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 78, 69-77.	2.7	45
82	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 76, 118-147.	2.7	154
83	The genomic basis of circadian and circalunar timing adaptations in a midge. <i>Nature</i> , 2016, 540, 69-73.	27.8	96
84	Immune modulation enables a specialist insect to benefit from antibacterial withanolides in its host plant. <i>Nature Communications</i> , 2016, 7, 12530.	12.8	27
85	Sex, offspring and carcass determine antimicrobial peptide expression in the burying beetle. <i>Scientific Reports</i> , 2016, 6, 25409.	3.3	97
86	Data set for diet specific differential gene expression analysis in three <i>Spodoptera</i> moths. <i>Data in Brief</i> , 2016, 8, 448-455.	1.0	1
87	Diet dependent metabolic responses in three generalist insect herbivores <i>Spodoptera</i> spp. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 71, 91-105.	2.7	81
88	Potential detoxification of gossypol by UDP-glycosyltransferases in the two <i>Heliothine</i> moth species <i>Helicoverpa armigera</i> and <i>Heliothis virescens</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 71, 49-57.	2.7	97
89	Know your ABCs: Characterization and gene expression dynamics of ABC transporters in the polyphagous herbivore <i>Helicoverpa armigera</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 72, 1-9.	2.7	47
90	Molecular Mechanism of the Two-Component Suicidal Weapon of <i>Neocapritermes taracua</i> Old Workers. <i>Molecular Biology and Evolution</i> , 2016, 33, 809-819.	8.9	19

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91	Evolutionary ecology of microsporidia associated with the invasive ladybird <i>Harmonia axyridis</i> . <i>Insect Science</i> , 2015, 22, 313-324.	3.0	25
92	Expression pattern analysis of odorant-binding proteins in the pea aphid <i>Acyrtosiphon pisum</i> . <i>Insect Science</i> , 2015, 22, 220-234.	3.0	74
93	Molecular mechanisms of insect adaptation to plant secondary compounds. <i>Current Opinion in Insect Science</i> , 2015, 8, 8-14.	4.4	218
94	Adaptive regulation of digestive serine proteases in the larval midgut of <i>Helicoverpa armigera</i> in response to a plant protease inhibitor. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 59, 18-29.	2.7	85
95	Two c-type lysozymes boost the innate immune system of the invasive ladybird <i>Harmonia axyridis</i> . <i>Developmental and Comparative Immunology</i> , 2015, 49, 303-312.	2.3	37
96	The plastic response of <i>Manduca sexta</i> to host and non-host plants. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 63, 72-85.	2.7	66
97	The butterfly plant arms-race escalated by gene and genome duplications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8362-8366.	7.1	458
98	Antimicrobial Peptides Expressed in Medicinal Maggots of the Blow Fly <i>Lucilia sericata</i> Show Combinatorial Activity against Bacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2508-2514.	3.2	115
99	A reference gene set for chemosensory receptor genes of <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 66, 51-63.	2.7	108
100	Reliable reference gene selection for quantitative real time PCR in <i>Haemonchus contortus</i> . <i>Molecular and Biochemical Parasitology</i> , 2015, 201, 123-127.	1.1	15
101	Evolution of moth sex pheromone composition by a single amino acid substitution in a fatty acid desaturase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12586-12591.	7.1	39
102	Metabolism, excretion and avoidance of cyanogenic glucosides in insects with different feeding specialisations. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 66, 119-128.	2.7	27
103	De novo sequencing of the <i>Hypericum perforatum</i> L. flower transcriptome to identify potential genes that are related to plant reproduction sensu lato. <i>BMC Genomics</i> , 2015, 16, 254.	2.8	37
104	Transcriptomic Immune Response of the Cotton Stainer <i>Dysdercus fasciatus</i> to Experimental Elimination of Vitamin-Supplementing Intestinal Symbionts. <i>PLoS ONE</i> , 2014, 9, e114865.	2.5	18
105	The maternal transfer of bacteria can mediate trans-generational immune priming in insects. <i>Virulence</i> , 2014, 5, 547-554.	4.4	151
106	Egg survival is reduced by grave-soil microbes in the carrion beetle, <i>Nicrophorus vespilloides</i> . <i>BMC Evolutionary Biology</i> , 2014, 14, 208.	3.2	36
107	The <i>Glanville</i> fritillary genome retains an ancient karyotype and reveals selective chromosomal fusions in Lepidoptera. <i>Nature Communications</i> , 2014, 5, 4737.	12.8	196
108	Vitamin supplementation by gut symbionts ensures metabolic homeostasis in an insect host. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141838.	2.6	132

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109	Larval <i>Helicoverpa zea</i> Transcriptional, Growth and Behavioral Responses to Nicotine and Nicotiana tabacum. <i>Insects</i> , 2014, 5, 668-688.	2.2	14
110	RNA-seq analysis reveals abundant developmental stage-specific and immunity-related genes in the pollen beetle <i>Meligethes aeneus</i> . <i>Insect Molecular Biology</i> , 2014, 23, 98-112.	2.0	100
111	Comparative analysis of two phenologically divergent populations of the pine processionary moth (<i>Thaumetopoea pityocampa</i>) by de novo transcriptome sequencing. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 46, 31-42.	2.7	10
112	Identification and characterization of plant cell wall degrading enzymes from three glycoside hydrolase families in the cerambycid beetle <i>Apriona japonica</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 49, 1-13.	2.7	63
113	<i>Phyllotreta striolata</i> flea beetles use host plant defense compounds to create their own glucosinolate-myrosinase system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7349-7354.	7.1	116
114	Integrin β subunit and its RNA interference in immune and developmental processes of the Oriental tobacco budworm, <i>Helicoverpa assulta</i> . <i>Developmental and Comparative Immunology</i> , 2014, 47, 59-67.	2.3	6
115	Comparative genomics of the mimicry switch in <i>Papilio dardanus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140465.	2.6	40
116	The Lepidopteran endoribonuclease-U domain protein P102 displays dramatically reduced enzymatic activity and forms functional amyloids. <i>Developmental and Comparative Immunology</i> , 2014, 47, 129-139.	2.3	9
117	Immune defence strategies of generalist and specialist insect herbivores. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140897.	2.6	21
118	Lucimycin, an antifungal peptide from the therapeutic maggot of the common green bottle fly <i>Lucilia sericata</i> . <i>Biological Chemistry</i> , 2014, 395, 649-656.	2.5	45
119	Molecular traces of alternative social organization in a termite genome. <i>Nature Communications</i> , 2014, 5, 3636.	12.8	371
120	Chemical Defense Balanced by Sequestration and De Novo Biosynthesis in a Lepidopteran Specialist. <i>PLoS ONE</i> , 2014, 9, e108745.	2.5	20
121	The role of desaturases in the biosynthesis of marking pheromones in bumblebee males. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 724-731.	2.7	25
122	Mechanisms of macroevolution: polyphagous plasticity in butterfly larvae revealed by RNA-seq. <i>Molecular Ecology</i> , 2013, 22, 4884-4895.	3.9	101
123	Expansion of the antimicrobial peptide repertoire in the invasive ladybird <i>Harmonia axyridis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122113.	2.6	97
124	Invasive Harlequin Ladybird Carries Biological Weapons Against Native Competitors. <i>Science</i> , 2013, 340, 862-863.	12.6	131
125	Gut Transcription in <i>Helicoverpa zea</i> is Dynamically Altered in Response to Baculovirus Infection. <i>Insects</i> , 2013, 4, 506-520.	2.2	15
126	A switch from constitutive chemical defence to inducible innate immune responses in the invasive ladybird <i>Harmonia axyridis</i> . <i>Biology Letters</i> , 2013, 9, 20130006.	2.3	25

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127	Comparative analysis of the UDP-glycosyltransferase multigene family in insects. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 133-147.	2.7	200
128	Functional amyloids in insect immune response. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 203-211.	2.7	42
129	Accessing the Transcriptome: How to Normalize mRNA Pools. <i>Methods in Molecular Biology</i> , 2012, 772, 105-128.	0.9	10
130	Dietary sterols/steroids and the generalist caterpillar <i>Helicoverpa zea</i> : Physiology, biochemistry and midgut gene expression. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 835-845.	2.7	33
131	Chemosensory proteins, major salivary factors in caterpillar mandibular glands. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 796-805.	2.7	38
132	Two Odorant-Binding Proteins Mediate the Behavioural Response of Aphids to the Alarm Pheromone (E)- β -farnesene and Structural Analogues. <i>PLoS ONE</i> , 2012, 7, e32759.	2.5	141
133	Transcriptional analysis of physiological pathways in a generalist herbivore: responses to different host plants and plant structures by the cotton bollworm, <i>Helicoverpa armigera</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2012, 144, 123-133.	1.4	57
134	Effects of physiological shock treatments on toxicity and polyketide synthase gene expression in <i>Prymnesium parvum</i> (Prymnesiophyceae). <i>European Journal of Phycology</i> , 2011, 46, 193-201.	2.0	29
135	Identification of immunity-related genes in the burying beetle <i>Nicrophorus vespilloides</i> by suppression subtractive hybridization. <i>Insect Molecular Biology</i> , 2011, 20, 787-800.	2.0	42
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