

Andreas Vilcinskas

List of Publications by Year in descending order

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Version: 2024-02-01

298
papers

14,807
citations

20759

60
h-index

28224

105
g-index

312
all docs

312
docs citations

312
times ranked

14169
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome of the model beetle and pest <i>Tribolium castaneum</i> . <i>Nature</i> , 2008, 452, 949-955.	13.7	1,255
2	Antimicrobial peptides: The ancient arm of the human immune system. <i>Virulence</i> , 2010, 1, 440-464.	1.8	576
3	Cultivation of an obligate acidophilic ammonia oxidizer from a nitrifying acid soil. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15892-15897.	3.3	464
4	Immunity and other defenses in pea aphids, <i>Acyrtosiphon pisum</i> . <i>Genome Biology</i> , 2010, 11, R21.	13.9	389
5	Molecular traces of alternative social organization in a termite genome. <i>Nature Communications</i> , 2014, 5, 3636.	5.8	371
6	Evolution of insect olfactory receptors. <i>ELife</i> , 2014, 3, e02115.	2.8	249
7	Immunity in Lepidopteran Insects. <i>Advances in Experimental Medicine and Biology</i> , 2010, 708, 181-204.	0.8	229
8	A comprehensive transcriptome and immune-gene repertoire of the lepidopteran model host <i>Galleria mellonella</i> . <i>BMC Genomics</i> , 2011, 12, 308.	1.2	210
9	<i>Galleria mellonella</i> as a Model System for Studying <i>Listeria</i> Pathogenesis. <i>Applied and Environmental Microbiology</i> , 2010, 76, 310-317.	1.4	208
10	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.	1.0	195
11	Diversity, evolution and medical applications of insect antimicrobial peptides. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150290.	1.8	188
12	Beetle immunity: Identification of immune-inducible genes from the model insect <i>Tribolium castaneum</i> . <i>Developmental and Comparative Immunology</i> , 2008, 32, 585-595.	1.0	176
13	Fungi as elicitors of insect immune responses. <i>Archives of Insect Biochemistry and Physiology</i> , 2000, 44, 49-68.	0.6	171
14	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.	1.2	154
15	The maternal transfer of bacteria can mediate trans-generational immune priming in insects. <i>Virulence</i> , 2014, 5, 547-554.	1.8	151
16	Cloning and expression of gallerimycin, an antifungal peptide expressed in immune response of greater wax moth larvae, <i>Galleria mellonella</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2003, 53, 125-133.	0.6	140
17	More than a colour change: insect melanism, disease resistance and fecundity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130584.	1.2	136
18	Host-Derived Extracellular Nucleic Acids Enhance Innate Immune Responses, Induce Coagulation, and Prolong Survival upon Infection in Insects. <i>Journal of Immunology</i> , 2008, 181, 2705-2712.	0.4	135

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19	Insect antimicrobial peptides show potentiating functional interactions against Gram-negative bacteria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150293.	1.2	134
20	Invasive Harlequin Ladybird Carries Biological Weapons Against Native Competitors. <i>Science</i> , 2013, 340, 862-863.	6.0	131
21	Silencing the expression of the salivary sheath protein causes transgenerational feeding suppression in the aphid <i>Sitobion avenae</i> . <i>Plant Biotechnology Journal</i> , 2015, 13, 849-857.	4.1	130
22	Can Insects Develop Resistance to Insect Pathogenic Fungi?. <i>PLoS ONE</i> , 2013, 8, e60248.	1.1	124
23	Large scale RNAi screen in <i>Tribolium</i> reveals novel target genes for pest control and the proteasome as prime target. <i>BMC Genomics</i> , 2015, 16, 674.	1.2	119
24	Phytopathogen Lures Its Insect Vector by Altering Host Plant Odor. <i>Journal of Chemical Ecology</i> , 2008, 34, 1045-1049.	0.9	118
25	Pathogen-induced Release of Plant Allomone Manipulates Vector Insect Behavior. <i>Journal of Chemical Ecology</i> , 2008, 34, 1518-1522.	0.9	118
26	Metabolites from nematophagous fungi and nematocidal natural products from fungi as an alternative for biological control. Part I: metabolites from nematophagous ascomycetes. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3799-3812.	1.7	117
27	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.	1.4	115
28	Insects as models to study the epigenetic basis of disease. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 118, 69-78.	1.4	113
29	The digestive and defensive basis of carcass utilization by the burying beetle and its microbiota. <i>Nature Communications</i> , 2017, 8, 15186.	5.8	112
30	Sustainable farming of the mealworm <i>Tenebrio molitor</i> for the production of food and feed. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2017, 72, 337-349.	0.6	112
31	Microbial Metalloproteinases Mediate Sensing of Invading Pathogens and Activate Innate Immune Responses in the Lepidopteran Model Host <i>Galleria mellonella</i> . <i>Infection and Immunity</i> , 2007, 75, 175-183.	1.0	104
32	Identification of immunorelevant genes from greater wax moth (<i>Galleria mellonella</i>) by a subtractive hybridization approach. <i>Developmental and Comparative Immunology</i> , 2003, 27, 207-215.	1.0	101
33	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.	1.0	100
34	The role of epigenetics in host-parasite coevolution: lessons from the model host insects <i>Galleria mellonella</i> and <i>Tribolium castaneum</i> . <i>Zoology</i> , 2016, 119, 273-280.	0.6	99
35	Evolutionary plasticity of insect immunity. <i>Journal of Insect Physiology</i> , 2013, 59, 123-129.	0.9	98
36	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.	1.2	97

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37	Sex, offspring and carcass determine antimicrobial peptide expression in the burying beetle. <i>Scientific Reports</i> , 2016, 6, 25409.	1.6	97
38	Inhibition of phagocytic activity of plasmatocytes isolated from <i>Galleria mellonella</i> by entomogenous fungi and their secondary metabolites. <i>Journal of Insect Physiology</i> , 1997, 43, 475-483.	0.9	95
39	Histone acetylation mediates epigenetic regulation of transcriptional reprogramming in insects during metamorphosis, wounding and infection. <i>Frontiers in Zoology</i> , 2012, 9, 25.	0.9	94
40	The structural sheath protein of aphids is required for phloem feeding. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 57, 34-40.	1.2	93
41	Parasitic Fungi and their Interactions with the Insect Immune System. <i>Advances in Parasitology</i> , 1999, , 267-313.	1.4	92
42	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.	3.3	91
43	Effects of the entomopathogenic fungus <i>Metarhizium anisopliae</i> and its secondary metabolites on morphology and cytoskeleton of plasmatocytes isolated from the greater wax moth, <i>Galleria mellonella</i> . <i>Journal of Insect Physiology</i> , 1997, 43, 1149-1159.	0.9	88
44	Wounding-mediated gene expression and accelerated viviparous reproduction of the pea aphid <i>Acyrtosiphon pisum</i> . <i>Insect Molecular Biology</i> , 2008, 17, 711-716.	1.0	88
45	Immuno-physiological adaptations confer wax moth <i>Galleria mellonella</i> resistance to <i>Bacillus thuringiensis</i> . <i>Virulence</i> , 2016, 7, 860-870.	1.8	88
46	Enhanced genome assembly and a new official gene set for <i>Tribolium castaneum</i> . <i>BMC Genomics</i> , 2020, 21, 47.	1.2	84
47	Gene silencing in <i>Tribolium castaneum</i> as a tool for the targeted identification of candidate RNAi targets in crop pests. <i>Scientific Reports</i> , 2018, 8, 2061.	1.6	83
48	Differential inductions of phenylalanine ammonia-lyase and chalcone synthase during wounding, salicylic acid treatment, and salinity stress in safflower, <i>Carthamus tinctorius</i> . <i>Bioscience Reports</i> , 2014, 34, .	1.1	82
49	Purification and characterization of an inducible metalloprotease inhibitor from the hemolymph of greater wax moth larvae, <i>Galleria mellonella</i> . <i>FEBS Journal</i> , 1998, 255, 535-543.	0.2	81
50	Development and immunity-related microRNAs of the lepidopteran model host <i>Galleria mellonella</i> . <i>BMC Genomics</i> , 2014, 15, 705.	1.2	79
51	Homoserine Lactones Influence the Reaction of Plants to Rhizobia. <i>International Journal of Molecular Sciences</i> , 2013, 14, 17122-17146.	1.8	77
52	Coevolution between pathogen-derived proteinases and proteinase inhibitors of host insects. <i>Virulence</i> , 2010, 1, 206-214.	1.8	73
53	Isolation and characterization of novel inducible serine protease inhibitors from larval hemolymph of the greater wax moth <i>Galleria mellonella</i> . <i>FEBS Journal</i> , 2000, 267, 2046-2053.	0.2	72
54	Environmentally sustainable pest control options for <i>Drosophila suzukii</i> . <i>Journal of Applied Entomology</i> , 2018, 142, 3-17.	0.8	72

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55	Gender- and stressor-specific microRNA expression in <i>Tribolium castaneum</i> . <i>Biology Letters</i> , 2012, 8, 860-863.	1.0	71
56	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.	2.0	71
57	Cloning and expression of an inhibitor of microbial metalloproteinases from insects contributing to innate immunity. <i>Biochemical Journal</i> , 2004, 382, 315-322.	1.7	70
58	Metabolites from nematophagous fungi and nematocidal natural products from fungi as alternatives for biological control. Part II: metabolites from nematophagous basidiomycetes and non-nematophagous fungi. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3813-3824.	1.7	70
59	Transgenic expression of gallerimycin, a novel antifungal insect defensin from the greater wax moth <i>Galleria mellonella</i> , confers resistance to pathogenic fungi in tobacco. <i>Biological Chemistry</i> , 2006, 387, 549-557.	1.2	69
60	MMPs Regulate both Development and Immunity in the <i>Tribolium</i> Model Insect. <i>PLoS ONE</i> , 2009, 4, e4751.	1.1	69
61	Insect peptide metchnikowin confers on barley a selective capacity for resistance to fungal ascomycetes pathogens. <i>Journal of Experimental Botany</i> , 2009, 60, 4105-4114.	2.4	68
62	Metamorphosis and collagen-IV-fragments stimulate innate immune response in the greater wax moth, <i>Galleria mellonella</i> . <i>Developmental and Comparative Immunology</i> , 2006, 30, 1108-1118.	1.0	65
63	Secondary Metabolites Released by The Burying Beetle <i>Nicrophorus vespilloides</i> : Chemical Analyses and Possible Ecological Functions. <i>Journal of Chemical Ecology</i> , 2011, 37, 724-735.	0.9	62
64	Translocation of bacteria from the gut to the eggs triggers maternal transgenerational immune priming in <i>Tribolium castaneum</i> . <i>Biology Letters</i> , 2015, 11, 20150885.	1.0	62
65	The insect metalloproteinase inhibitor gene of the lepidopteran <i>Galleria mellonella</i> encodes two distinct inhibitors. <i>Biological Chemistry</i> , 2007, 388, 119-27.	1.2	61
66	Septic injury-inducible genes in medicinal maggots of the green blow fly <i>Lucilia sericata</i> . <i>Insect Molecular Biology</i> , 2009, 18, 119-125.	1.0	60
67	Proteases Released by Entomopathogenic Fungi Impair Phagocytic Activity, Attachment and Spreading of Plasmotocytes Isolated from Haemolymph of the Greater Wax Moth <i>Galleria mellonella</i> . <i>Biocontrol Science and Technology</i> , 1998, 8, 517-531.	0.5	59
68	Coevolution of parasitic fungi and insect hosts. <i>Zoology</i> , 2016, 119, 350-358.	0.6	58
69	Peptaibol, Secondary Metabolite, and Hydrophobin Pattern of Commercial Biocontrol Agents Formulated with Species of the <i>Trichoderma harzianum</i> Complex. <i>Chemistry and Biodiversity</i> , 2015, 12, 662-684.	1.0	57
70	Insect antimicrobial peptides: potential tools for the prevention of skin cancer. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7397-7405.	1.7	56
71	Synergistic Efficacy of <i>Aedes aegypti</i> Antimicrobial Peptide Cecropin A2 and Tetracycline against <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	56
72	The insect antimicrobial peptide cecropin A disrupts uropathogenic <i>Escherichia coli</i> biofilms. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 6.	2.9	56

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73	The Medical Potential of Antimicrobial Peptides from Insects. <i>Current Topics in Medicinal Chemistry</i> , 2016, 17, 554-575.	1.0	56
74	Short antimicrobial peptides as cosmetic ingredients to deter dermatological pathogens. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8847-8855.	1.7	55
75	Chemically mediated multitrophic interactions in a plant-insect vector-phytoplasma system compared with a partially nonvector species. <i>Agricultural and Forest Entomology</i> , 2011, 13, 25-35.	0.7	54
76	Isolation and characterization of isochorismate synthase and cinnamate 4-hydroxylase during salinity stress, wounding, and salicylic acid treatment in <i>Carthamus tinctorius</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e27335.	1.2	54
77	Recognition and regulation of metalloproteinase activity in the haemolymph of <i>Galleria mellonella</i> : a new pathway mediating induction of humoral immune responses. <i>Insect Biochemistry and Molecular Biology</i> , 2000, 30, 461-472.	1.2	53
78	Insect-Derived Cecropins Display Activity against <i>Acinetobacter baumannii</i> in a Whole-Animal High-Throughput <i>Caenorhabditis elegans</i> Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1728-1737.	1.4	52
79	Experimental evolution of resistance against <i>Bacillus thuringiensis</i> in the insect model host <i>Galleria mellonella</i> results in epigenetic modifications. <i>Virulence</i> , 2017, 8, 1618-1630.	1.8	52
80	Fitness costs of infection with <i>Serratia symbiotica</i> are associated with greater susceptibility to insecticides in the pea aphid <i>Acyrtosiphon pisum</i> . <i>Pest Management Science</i> , 2018, 74, 1829-1836.	1.7	52
81	Harmonine, a defence compound from the harlequin ladybird, inhibits mycobacterial growth and demonstrates multi-stage antimalarial activity. <i>Biology Letters</i> , 2012, 8, 308-311.	1.0	51
82	Pathogens as Biological Weapons of Invasive Species. <i>PLoS Pathogens</i> , 2015, 11, e1004714.	2.1	51
83	The potential of the <i>Galleria mellonella</i> innate immune system is maximized by the co-presentation of diverse antimicrobial peptides. <i>Biological Chemistry</i> , 2016, 397, 939-945.	1.2	51
84	Insect Inhibitors of Metalloproteinases. <i>IUBMB Life</i> , 2002, 54, 339-343.	1.5	50
85	ANTI-infective Therapeutics from the Lepidopteran Model Host <i>Galleria mellonella</i> . <i>Current Pharmaceutical Design</i> , 2011, 17, 1240-1245.	0.9	49
86	Brain infection and activation of neuronal repair mechanisms by the human pathogen <i>Listeria monocytogenes</i> in the lepidopteran model host <i>Galleria mellonella</i> . <i>Virulence</i> , 2013, 4, 324-332.	1.8	49
87	Next Generation Sequencing Based Transcriptome Analysis of Septic-Injury Responsive Genes in the Beetle <i>Tribolium castaneum</i> . <i>PLoS ONE</i> , 2013, 8, e52004.	1.1	49
88	Protected by Fumigants: Beetle Perfumes in Antimicrobial Defense. <i>Journal of Chemical Ecology</i> , 2008, 34, 179-188.	0.9	48
89	<i>Cacopsylla melanoneura</i> Has No Relevance as Vector of Apple Proliferation in Germany. <i>Phytopathology</i> , 2009, 99, 729-738.	1.1	48
90	A Straightforward DOPE (Double Labeling of Oligonucleotide Probes)-FISH (Fluorescence In Situ Hybridization) Assay for <i>Escherichia coli</i> O157:H7. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5138-5142.	1.4	48

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91	The entomopathogenic fungus <i>Metarhizium robertsii</i> communicates with the insect host <i>Galleria mellonella</i> during infection. <i>Virulence</i> , 2018, 9, 402-413.	1.8	48
92	Probiotic <i>Enterococcus mundtii</i> Isolate Protects the Model Insect <i>Tribolium castaneum</i> against <i>Bacillus thuringiensis</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1261.	1.5	47
93	Analysis of the immune-inducible transcriptome from microbial stress resistant, rat-tailed maggots of the drone fly <i>Eristalis tenax</i> . <i>BMC Genomics</i> , 2007, 8, 326.	1.2	46
94	The Impact of Parasites on Host Insect Epigenetics. <i>Advances in Insect Physiology</i> , 2017, 53, 145-165.	1.1	46
95	Inhibition of <i>Beauveria bassiana</i> Proteases and Fungal Development by Inducible Protease Inhibitors in the Haemolymph of <i>Galleria mellonella</i> Larvae. <i>Biocontrol Science and Technology</i> , 1997, 7, 591-602.	0.5	45
96	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.	1.2	45
97	Metabolite localization by atmospheric pressure high-resolution scanning microprobe matrix-assisted laser desorption/ionization mass spectrometry imaging in whole-body sections and individual organs of the rove beetle <i>Paederus riparius</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2189-2201.	1.9	45
98	Heat shock protein 83 plays pleiotropic roles in embryogenesis, longevity, and fecundity of the pea aphid <i>Acyrtosiphon pisum</i> . <i>Development Genes and Evolution</i> , 2017, 227, 1-9.	0.4	45
99	Identification of a lepidopteran matrix metalloproteinase with dual roles in metamorphosis and innate immunity. <i>Developmental and Comparative Immunology</i> , 2008, 32, 400-409.	1.0	43
100	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.	1.0	42
101	The biology and evolution of spider venoms. <i>Biological Reviews</i> , 2022, 97, 163-178.	4.7	42
102	Perch (<i>Perca fluviatilis</i>) as an indicator species for structural degradation in regulated rivers and canals in the lowlands of Germany. <i>Ecology of Freshwater Fish</i> , 1997, 6, 174-181.	0.7	41
103	Defense gene expression is potentiated in transgenic barley expressing antifungal peptide metchnikowin throughout powdery mildew challenge. <i>Journal of Plant Research</i> , 2012, 125, 115-124.	1.2	41
104	Svetamycins A-G, Unusual Piperazic Acid-Containing Peptides from <i>Streptomyces</i> sp.. <i>Journal of Organic Chemistry</i> , 2017, 82, 6032-6043.	1.7	41
105	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.	1.3	41
106	Importance of Microorganisms to Macroorganisms Invasions. <i>Advances in Ecological Research</i> , 2017, 57, 99-146.	1.4	40
107	Promoter Activation in $\hat{1}^{\text{st}}$ Mutants as an Efficient Tool for Specialized Metabolite Production Enabling Direct Bioactivity Testing. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18957-18963.	7.2	40
108	Epigenetic Mechanisms Regulate Innate Immunity against Uropathogenic and Commensal-Like <i>Escherichia coli</i> in the Surrogate Insect Model <i>Galleria mellonella</i> . <i>Infection and Immunity</i> , 2017, 85, .	1.0	40

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109	Antimicrobial Activity of Exocrine Glandular Secretions, Hemolymph, and Larval Regurgitate of the Mustard Leaf Beetle <i>Phaedon cochleariae</i> . <i>Journal of Invertebrate Pathology</i> , 1998, 72, 296-303.	1.5	39
110	Cooperative interaction of antimicrobial peptides with the interrelated immune pathways in plants. <i>Molecular Plant Pathology</i> , 2016, 17, 464-471.	2.0	39
111	Changes in the transcriptome of the malaria parasite <i>Plasmodium falciparum</i> during the initial phase of transmission from the human to the mosquito. <i>BMC Genomics</i> , 2013, 14, 256.	1.2	38
112	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.	1.0	37
113	Identification of immune-related genes from an apterygote insect, the firebrat <i>Thermobia domestica</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 726-731.	1.2	36
114	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
115	A <i>Photorhabdus</i> Natural Product Inhibits Insect Juvenile Hormone Epoxide Hydrolase. <i>ChemBioChem</i> , 2015, 16, 766-771.	1.3	36
116	Profiling antimicrobial peptides from the medical maggot <i>Lucilia sericata</i> as potential antibiotics for MDR Gram-negative bacteria. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 96-107.	1.3	36
117	<i>In Vitro</i> Antimicrobial Efficacy of Tobramycin Against <i>Staphylococcus aureus</i> Biofilms in Combination With or Without DNase I and/or Dispersin B: A Preliminary Investigation. <i>Microbial Drug Resistance</i> , 2017, 23, 384-390.	0.9	35
118	Myriocin Significantly Increases the Mortality of a Non-Mammalian Model Host during <i>Candida</i> Pathogenesis. <i>PLoS ONE</i> , 2013, 8, e78905.	1.1	35
119	Effects of beauverolide L and cyclosporin A on humoral and cellular immune response of the greater wax moth, <i>Galleria mellonella</i> . <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1999, 122, 83-92.	0.5	34
120	Anti-Listeria Activities of <i>Galleria mellonella</i> Hemolymph Proteins. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4237-4240.	1.4	33
121	Multifunctional weaponry: The chemical defenses of earwigs. <i>Journal of Insect Physiology</i> , 2013, 59, 1186-1193.	0.9	33
122	Front line defenders of the ecological niche! Screening the structural diversity of peptaibiotics from saprotrophic and fungicolous <i>Trichoderma/Hypocrea</i> species. <i>Fungal Diversity</i> , 2014, 69, 117-146.	4.7	33
123	Scrutinizing the immune defence inventory of <i>Camponotus floridanus</i> applying total transcriptome sequencing. <i>BMC Genomics</i> , 2015, 16, 540.	1.2	33
124	<i>Tribolium castaneum</i> defensins are primarily active against Gram-positive bacteria. <i>Journal of Invertebrate Pathology</i> , 2015, 132, 208-215.	1.5	33
125	Antibiotic-Producing Beneficial Bacteria in the Gut of the Burying Beetle <i>Nicrophorus vespilloides</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1178.	1.5	33
126	The gut and feed residue microbiota changing during the rearing of <i>Hermetia illucens</i> larvae. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1323-1344.	0.7	33

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127	<i>Ixodes ricinus</i> defensins attack distantly-related pathogens. <i>Developmental and Comparative Immunology</i> , 2015, 53, 358-365.	1.0	32
128	A Defensin from the Model Beetle <i>Tribolium castaneum</i> Acts Synergistically with Telavancin and Daptomycin against Multidrug Resistant <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2015, 10, e0128576.	1.1	32
129	Biofilm-degrading enzymes from <i>Lysobacter gummosus</i> . <i>Virulence</i> , 2014, 5, 378-387.	1.8	31
130	The functional interaction between abaecin and pore-forming peptides indicates a general mechanism of antibacterial potentiation. <i>Peptides</i> , 2016, 78, 17-23.	1.2	30
131	Characterization and regulation of expression of an antifungal peptide from hemolymph of an insect, <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , 2016, 61, 258-268.	1.0	30
132	Cottonseed Press Cake as a Potential Diet for Industrially Farmed Black Soldier Fly Larvae Triggers Adaptations of Their Bacterial and Fungal Gut Microbiota. <i>Frontiers in Microbiology</i> , 2021, 12, 634503.	1.5	30
133	Role of matrix metalloproteinase ZMP-2 in pathogen resistance and development in <i>Caenorhabditis elegans</i> . <i>Developmental and Comparative Immunology</i> , 2010, 34, 1160-1169.	1.0	28
134	Defensins from the tick <i>Ixodes scapularis</i> are effective against phytopathogenic fungi and the human bacterial pathogen <i>Listeria grayi</i> . <i>Parasites and Vectors</i> , 2014, 7, 554.	1.0	28
135	Knockdown of genes in the Toll pathway reveals new lethal RNA interference targets for insect pest control. <i>Insect Molecular Biology</i> , 2017, 26, 92-102.	1.0	28
136	Mechanisms of transgenerational immune priming in insects. <i>Developmental and Comparative Immunology</i> , 2021, 124, 104205.	1.0	28
137	Protein and Peptide Composition of Male Accessory Glands of <i>Apis mellifera</i> Drones Investigated by Mass Spectrometry. <i>PLoS ONE</i> , 2015, 10, e0125068.	1.1	27
138	A Jonah-like chymotrypsin from the therapeutic maggot <i>Lucilia sericata</i> plays a role in wound debridement and coagulation. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 70, 138-147.	1.2	27
139	The selective antifungal activity of <i>Drosophila melanogaster</i> metchnikowin reflects the species-dependent inhibition of succinate coenzyme Q reductase. <i>Scientific Reports</i> , 2017, 7, 8192.	1.6	27
140	Comparative transcriptomics in three ladybird species supports a role for immunity in invasion biology. <i>Developmental and Comparative Immunology</i> , 2017, 67, 452-456.	1.0	27
141	Bioactivity of Natural and Engineered Antimicrobial Peptides from Venom of the Scorpions <i>Urodacus yaschenkoi</i> and <i>U. manicatus</i> . <i>Toxins</i> , 2017, 9, 22.	1.5	27
142	Analysis of the immune-related transcriptome of a lophotrochozoan model, the marine annelid <i>Platynereis dumerilii</i> . <i>Frontiers in Zoology</i> , 2007, 4, 18.	0.9	26
143	Identification of immunological expressed sequence tags in the mealworm beetle <i>Tenebrio molitor</i> . <i>Journal of Insect Physiology</i> , 2012, 58, 1556-1561.	0.9	26
144	<i>Galleria Mellonella</i> as a Model Host to Study Gut Microbe Homeostasis and Brain Infection by the Human Pathogen <i>Listeria Monocytogenes</i> . <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 135, 27-39.	0.6	26

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145	Silencing of the <i>DNA methyltransferase 1 associated protein 1</i> (<i>DMAP1</i>) gene in the invasive ladybird <i>Harmonia axyridis</i> implies a role of the DNA methyltransferase 1â€DMAP1 complex in female fecundity. <i>Insect Molecular Biology</i> , 2020, 29, 148-159.	1.0	26
146	Longevity in the red flour beetle <i>Tribolium castaneum</i> is enhanced by broccoli and depends on <i>nrf-2</i> , <i>jnk-1</i> and <i>foxo-1</i> homologous genes. <i>Genes and Nutrition</i> , 2013, 8, 439-448.	1.2	25
147	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.	1.0	25
148	Evolutionary ecology of microsporidia associated with the invasive ladybird <i>Harmonia axyridis</i>. <i>Insect Science</i> , 2015, 22, 313-324.	1.5	25
149	The model beetle <i>Tribolium castaneum</i> can be used as an early warning system for transgenerational epigenetic side effects caused by pharmaceuticals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 185-186, 57-64.	1.3	25
150	The insect-derived antimicrobial peptide metchnikowin targets <i>Fusarium graminearum</i> Î²(1,3)glucanosyltransferase Gel1, which is required for the maintenance of cell wall integrity. <i>Biological Chemistry</i> , 2017, 398, 491-498.	1.2	25
151	Drugs from bugs: the use of insects as a valuable source of transgenes with potential in modern plant protection strategies. <i>Journal of Pest Science</i> , 2005, 78, 187-191.	1.9	24
152	Comparative analysis of septic injury-inducible genes in phylogenetically distant model organisms of regeneration and stem cell research, the planarian <i>Schmidtea mediterranea</i> and the cnidarian <i>Hydra vulgaris</i> . <i>Frontiers in Zoology</i> , 2008, 5, 6.	0.9	24
153	Identification of collagen IV derived danger/alarm signals in insect immunity by nanoLC-FTICR MS. <i>Biological Chemistry</i> , 2009, 390, 1303-1311.	1.2	24
154	Structural Evidence for Standardâ€Mechanism Inhibition in Metallopeptidases from a Complex Poised to Resynthesize a Peptide Bond. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10357-10360.	7.2	24
155	Next Generation Sequencing Identifies Five Major Classes of Potentially Therapeutic Enzymes Secreted by <i>Lucilia sericata</i> Medical Maggots. <i>BioMed Research International</i> , 2016, 2016, 1-27.	0.9	24
156	Endogenous egg immune defenses in the yellow mealworm beetle (<i>Tenebrio molitor</i>). <i>Developmental and Comparative Immunology</i> , 2017, 70, 1-8.	1.0	24
157	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, .	1.1	24
158	Post-embryonic functions of HSP90 in <i>Tribolium castaneum</i> include the regulation of compound eye development. <i>Development Genes and Evolution</i> , 2011, 221, 357-362.	0.4	23
159	Orally Delivered Scorpion Antimicrobial Peptides Exhibit Activity against Pea Aphid (<i>Acyrtosiphon</i>) Tj ETQq1 1 0.784314 rgBT ₃ /Overlock	1.5	23
160	Transmission of a Protease-Secreting Bacterial Symbiont Among Pea Aphids via Host Plants. <i>Frontiers in Physiology</i> , 2019, 10, 438.	1.3	23
161	Bacteria associated with cockroaches: health risk or biotechnological opportunity?. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 10369-10387.	1.7	23
162	Culture-Independent and Culture-Dependent Characterization of the Black Soldier Fly Gut Microbiome Reveals a Large Proportion of Culturable Bacteria with Potential for Industrial Applications. <i>Microorganisms</i> , 2021, 9, 1642.	1.6	23

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163	A Kunitz type protease inhibitor related protein is synthesized in <i>Drosophila</i> prepupal salivary glands and released into the moulting fluid during pupation. <i>Insect Biochemistry and Molecular Biology</i> , 2004, 34, 855-869.	1.2	22
164	Screening the Biosphere: The Fungicolous Fungus <i>Trichoderma phellinicola</i> , a Prolific Source of Hypophellins, New 17â€¢, 18â€¢, 19â€¢, and 20â€¢Residue Peptaibiotics. <i>Chemistry and Biodiversity</i> , 2013, 10, 787-812.	1.0	22
165	Population-specific expression of antimicrobial peptides conferring pathogen resistance in the invasive ladybird <i>Harmonia axyridis</i> . <i>Scientific Reports</i> , 2018, 8, 3600.	1.6	22
166	Epigenetic mechanisms mediate the experimental evolution of resistance against parasitic fungi in the greater wax moth <i>Galleria mellonella</i> . <i>Scientific Reports</i> , 2019, 9, 1626.	1.6	22
167	<i>In Vitro</i> Evaluation of Antimicrobial Peptides from the Black Soldier Fly (<i>Hermetia</i>) Tj ETQq1 1 0.784314 <i>igBT /Overlock 10</i>	1.2	22
168	Pathogens associated with invasive or introduced insects threaten the health and diversity of native species. <i>Current Opinion in Insect Science</i> , 2019, 33, 43-48.	2.2	21
169	Selection and Evaluation of Tissue Specific Reference Genes in <i>Lucilia sericata</i> during an Immune Challenge. <i>PLoS ONE</i> , 2015, 10, e0135093.	1.1	21
170	Insects emerge as valuable model hosts to explore virulence. <i>Virulence</i> , 2011, 2, 376-378.	1.8	20
171	Hypopulvins, novel peptaibiotics from the polyporicolous fungus <i>Hypocrea pulvinata</i> , are produced during infection of its natural hosts. <i>Fungal Biology</i> , 2012, 116, 1219-1231.	1.1	20
172	Seasonal phenotype-specific transcriptional reprogramming during metamorphosis in the European map butterfly <i>Araschnia levana</i> . <i>Ecology and Evolution</i> , 2016, 6, 3476-3485.	0.8	20
173	Phylogeny-Guided Selection of Priority Groups for Venom Bioprospecting: Harvesting Toxin Sequences in Tarantulas as a Case Study. <i>Toxins</i> , 2019, 11, 488.	1.5	20
174	The unique antimicrobial peptide repertoire of stick insects. <i>Developmental and Comparative Immunology</i> , 2020, 103, 103471.	1.0	20
175	Identification and Functional Characterization of a Novel Insecticidal Decapeptide from the Myrmicine Ant <i>Manica rubida</i> . <i>Toxins</i> , 2019, 11, 562.	1.5	19
176	<i>Entomobacter blattae</i> gen. nov., sp. nov., a new member of the Acetobacteraceae isolated from the gut of the cockroach <i>Gromphadorhina portentosa</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 71, .	0.8	19
177	The <i>Drosophila melanogaster</i> antimicrobial peptides Mtk-1 and Mtk-2 are active against the malarial parasite <i>Plasmodium falciparum</i> . <i>Parasitology Research</i> , 2019, 118, 1993-1998.	0.6	18
178	Symbiont-mediated chemical defense in the invasive ladybird <i>Harmonia axyridis</i> . <i>Ecology and Evolution</i> , 2019, 9, 1715-1729.	0.8	18
179	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.	1.5	18
180	RNAi targeting of rootworm Troponin I transcripts confers root protection in maize. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 104, 20-29.	1.2	18

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181	MicroRNAs regulate innate immunity against uropathogenic and commensal-like <i>Escherichia coli</i> infections in the surrogate insect model <i>Galleria mellonella</i> . <i>Scientific Reports</i> , 2020, 10, 2570.	1.6	18
182	<i>Tribolium castaneum</i> as a Model for High-Throughput RNAi Screening. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 136, 163-178.	0.6	17
183	Antiplasmodial Activity Is an Ancient and Conserved Feature of Tick Defensins. <i>Frontiers in Microbiology</i> , 2016, 7, 1682.	1.5	17
184	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.	1.0	17
185	Evaluating the combination of a parasitoid and a predator for biological control of seed beetles (<i>Chrysomelidae: Bruchinae</i>) in stored beans. <i>Journal of Stored Products Research</i> , 2017, 74, 22-26.	1.2	17
186	Analysis of virus susceptibility in the invasive insect pest <i>Drosophila suzukii</i> . <i>Journal of Invertebrate Pathology</i> , 2017, 148, 138-141.	1.5	17
187	Molecular Networking-Guided Discovery and Characterization of Stechlisins, a Group of Cyclic Lipopeptides from a <i>Pseudomonas</i> sp.. <i>Journal of Natural Products</i> , 2020, 83, 2607-2617.	1.5	17
188	Honeybee colonies compensate for pesticide-induced effects on royal jelly composition and brood survival with increased brood production. <i>Scientific Reports</i> , 2021, 11, 62.	1.6	17
189	The Antimicrobial Peptide Thanatin Reduces Fungal Infections in <i>Arabidopsis</i> . <i>Journal of Phytopathology</i> , 2012, 160, 606-610.	0.5	16
190	Insect Antenna-Based Biosensors for In Situ Detection of Volatiles. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 136, 101-122.	0.6	16
191	Aphid-Proof Plants: Biotechnology-Based Approaches for Aphid Control. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 136, 179-203.	0.6	16
192	Urate Oxidase produced by <i>Lucilia sericata</i> medical maggots is localized in Malpighian tubes and facilitates allantoin production. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 83, 44-53.	1.2	16
193	Temporal dynamics of whole body residues of the neonicotinoid insecticide imidacloprid in live or dead honeybees. <i>Scientific Reports</i> , 2017, 7, 6288.	1.6	16
194	Evolutionary ecology of parasitic fungi and their host insects. <i>Fungal Ecology</i> , 2019, 38, 12-20.	0.7	16
195	Promoter Activation in Δ hfq Mutants as an Efficient Tool for Specialized Metabolite Production Enabling Direct Bioactivity Testing. <i>Angewandte Chemie</i> , 2019, 131, 19133-19139.	1.6	16
196	The therapeutic potential of the insect metalloproteinase inhibitor against infections caused by <i>Pseudomonas aeruginosa</i> . <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 316-328.	1.2	16
197	Proteo-Transcriptomic Analysis Identifies Potential Novel Toxins Secreted by the Predatory, Prey-Piercing Ribbon Worm <i>Amphiporus lactifloreus</i> . <i>Marine Drugs</i> , 2020, 18, 407.	2.2	16
198	Proline-Rich Antimicrobial Peptides in Medicinal Maggots of <i>Lucilia sericata</i> Interact With Bacterial DnaK But Do Not Inhibit Protein Synthesis. <i>Frontiers in Pharmacology</i> , 2020, 11, 532.	1.6	16

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199	Compelling Evidence for the Activity of Antiviral Peptides against SARS-CoV-2. <i>Viruses</i> , 2021, 13, 912.	1.5	16
200	Sequestration of Defenses against Predators Drives Specialized Host Plant Associations in Preadapted Milkweed Bugs (Heteroptera: Lygaeinae). <i>American Naturalist</i> , 2022, 199, E211-E228.	1.0	16
201	A portable gas chromatograph with simultaneous detection by mass spectrometry and electroantennography for the highly sensitive in situ measurement of volatiles. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7457-7467.	1.9	15
202	Detection of Illicit Drugs by Trained Honeybees (<i>Apis mellifera</i>). <i>PLoS ONE</i> , 2015, 10, e0128528.	1.1	15
203	Antiplasmodial activity of tick defensins in a mouse model of malaria. <i>Ticks and Tick-borne Diseases</i> , 2018, 9, 844-849.	1.1	15
204	Proteomic Analysis of the Venom from the Ruby Ant <i>Myrmica rubra</i> and the Isolation of a Novel Insecticidal Decapeptide. <i>Insects</i> , 2019, 10, 42.	1.0	15
205	Exposure to low doses of pesticides induces an immune response and the production of nitric oxide in honeybees. <i>Scientific Reports</i> , 2021, 11, 6819.	1.6	15
206	Antimicrobial, Insecticidal and Cytotoxic Activity of Linear Venom Peptides from the Pseudoscorpion <i>Chelifer cancroides</i> . <i>Toxins</i> , 2022, 14, 58.	1.5	15
207	Characterization of the typical fish community of inland waterways of the north-eastern lowlands in Germany. <i>River Research and Applications</i> , 1997, 13, 335-343.	1.2	14
208	Optimization of Insect Cell Based Protein Production Processes - Online Monitoring, Expression Systems, Scale Up. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 136, 65-100.	0.6	14
209	High-Resolution Mass Spectrometry Driven Discovery of Peptidic Danger Signals in Insect Immunity. <i>PLoS ONE</i> , 2013, 8, e80406.	1.1	14
210	Evaluation of high-throughput isomiR identification tools: illuminating the early isomiRome of <i>Tribolium castaneum</i> . <i>BMC Bioinformatics</i> , 2017, 18, 359.	1.2	14
211	Insects in anthelmintics research: Lady beetle-derived harmonine affects survival, reproduction and stem cell proliferation of <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007240.	1.3	14
212	Context-dependent venom deployment and protein composition in two assassin bugs. <i>Ecology and Evolution</i> , 2020, 10, 9932-9947.	0.8	14
213	Methods to identify enzymes that degrade the main extracellular polysaccharide component of <i>Staphylococcus epidermidis</i> biofilms. <i>Virulence</i> , 2013, 4, 260-270.	1.8	13
214	An Economic Dilemma between Molecular Weapon Systems May Explain an Arachno-Atypical Venom in Wasp Spiders (<i>Argiope bruennichi</i>). <i>Biomolecules</i> , 2020, 10, 978.	1.8	13
215	High-Throughput Cultivation for the Selective Isolation of Acidobacteria From Termite Nests. <i>Frontiers in Microbiology</i> , 2020, 11, 597628.	1.5	13
216	European Medicinal Leeches – New Roles in Modern Medicine. <i>Biomedicines</i> , 2020, 8, 99.	1.4	13

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217	Lysine Acetyltransferase p300/CBP Plays an Important Role in Reproduction, Embryogenesis and Longevity of the Pea Aphid <i>Acyrtosiphon pisum</i> . <i>Insects</i> , 2020, 11, 265.	1.0	13
218	Identification of entomopathogenic bacteria associated with the invasive pest <i>Drosophila suzukii</i> in infested areas of Germany. <i>Journal of Invertebrate Pathology</i> , 2020, 173, 107389.	1.5	13
219	A single amphioxus and sea urchin runt-gene suggests that runt-gene duplications occurred in early chordate evolution. <i>Developmental and Comparative Immunology</i> , 2003, 27, 673-684.	1.0	12
220	On-site airborne pheromone sensing. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6389-6403.	1.9	12
221	Identification and characterization of natural viruses associated with the invasive insect pest <i>Drosophila suzukii</i> . <i>Journal of Invertebrate Pathology</i> , 2018, 154, 74-78.	1.5	12
222	To be or not to be convergent in salicin-based defence in chrysomeline leaf beetle larvae: evidence from <i>Phratora vitellinae</i> salicyl alcohol oxidase. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3225-3232.	1.2	11
223	Antibacterial and antifungal activity of defensins from the Australian paralysis tick, <i>Ixodes holocyclus</i> . <i>Ticks and Tick-borne Diseases</i> , 2019, 10, 101269.	1.1	11
224	Sub-Lethal Doses of Clothianidin Inhibit the Conditioning and Biosensory Abilities of the Western Honeybee <i>Apis mellifera</i> . <i>Insects</i> , 2019, 10, 340.	1.0	11
225	Novel Glycerophospholipid, Lipo- and N-acyl Amino Acids from Bacteroidetes: Isolation, Structure Elucidation and Bioactivity. <i>Molecules</i> , 2021, 26, 5195.	1.7	11
226	Genomic and Chemical Decryption of the Bacteroidetes Phylum for Its Potential to Biosynthesize Natural Products. <i>Microbiology Spectrum</i> , 2022, 10, e0247921.	1.2	11
227	Laboratory characterization of metal-oxide sensors intended for <i>in situ</i> analyses of pheromones – SOMMSA approach. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 935-939.	0.8	10
228	The Sequences of the Eleven-Residue Peptaibiotics: Suzukacillins. <i>Chemistry and Biodiversity</i> , 2013, 10, 827-837.	1.0	10
229	Development of an insect metalloproteinase inhibitor drug carrier system for application in chronic wound infections. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1481-1491.	1.2	10
230	FR-900098, an antimalarial development candidate that inhibits the non-mevalonate isoprenoid biosynthesis pathway, shows no evidence of acute toxicity and genotoxicity. <i>Virulence</i> , 2016, 7, 718-728.	1.8	10
231	Antibacterial activity of a <i>Tribolium castaneum</i> defensin in an <i>in vitro</i> infection model of <i>Streptococcus pneumoniae</i> . <i>Virulence</i> , 2019, 10, 902-909.	1.8	10
232	Downstream processing of Cry4AaCter-induced inclusion bodies containing insect-derived antimicrobial peptides produced in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2019, 155, 120-129.	0.6	10
233	Reprogramming of epigenetic mechanisms controlling host insect immunity and development in response to egg-laying by a parasitoid wasp. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200704.	1.2	10
234	Seasonal phenotype-specific expression of microRNAs during metamorphosis in the European map butterfly <i>Araschnia levana</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 104, e21657.	0.6	10

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235	Complete Metamorphosis in <i>Manduca sexta</i> Involves Specific Changes in DNA Methylation Patterns. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	10
236	The infection of <i>Harmonia axyridis</i> by a parasitic nematode is mediated by entomopathogenic bacteria and triggers sex-specific host immune responses. <i>Scientific Reports</i> , 2018, 8, 15938.	1.6	9
237	Inhibition of histone acetylation and deacetylation enzymes affects longevity, development, and fecundity in the pea aphid (<i>Acyrtosiphon pisum</i>). <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 103, e21614.	0.6	9
238	Defense of Milkweed Bugs (Heteroptera: Lygaeinae) against Predatory Lacewing Larvae Depends on Structural Differences of Sequestered Cardenolides. <i>Insects</i> , 2020, 11, 485.	1.0	9
239	Insect Collections as an Untapped Source of Bioactive Compounds—Fireflies (Coleoptera: Lampyridae) and Cardiogenic Steroids as a Proof of Concept. <i>Insects</i> , 2021, 12, 689.	1.0	9
240	From Traditional Maggot Therapy to Modern Biosurgery. , 2011, , 67-75.		8
241	Maggot excretion products from the blowfly <i>Lucilia sericata</i> contain contact phase/intrinsic pathway-like proteases with procoagulant functions. <i>Thrombosis and Haemostasis</i> , 2015, 114, 277-288.	1.8	8
242	Cuticular hydrocarbon composition does not allow <i>Harmonia axyridis</i> males to identify the mating status of sexual partners. <i>Entomologia Generalis</i> , 2019, 38, 211-224.	1.1	8
243	Tick defensin β -core reduces <i>Fusarium graminearum</i> growth and abrogates mycotoxins production with high efficiency. <i>Scientific Reports</i> , 2021, 11, 7962.	1.6	8
244	Combination of high-throughput microfluidics and FACS technologies to leverage the numbers game in natural product discovery. <i>Microbial Biotechnology</i> , 2022, 15, 415-430.	2.0	8
245	Genome analysis suggests the bacterial family <i>Acetobacteraceae</i> is a source of undiscovered specialized metabolites. <i>Antonie Van Leeuwenhoek</i> , 2022, 115, 41-58.	0.7	8
246	Genome-Mining-Guided Discovery and Characterization of the PKS-NRPS-Hybrid Polyoxypeptide Produced by a Marine-Derived Streptomycete. <i>Journal of Natural Products</i> , 2022, 85, 888-898.	1.5	8
247	Identification of immune inducible genes from the velvet worm <i>Epiperipatus biolleyi</i> (Onychophora). <i>Developmental and Comparative Immunology</i> , 2008, 32, 1416-1421.	1.0	7
248	The chemical defense in larvae of the earwig <i>Forficula auricularia</i> . <i>Journal of Insect Physiology</i> , 2014, 67, 1-8.	0.9	7
249	Anthelmintic Activity of Assassin Bug Venom against the Blood Fluke <i>Schistosoma mansoni</i> . <i>Antibiotics</i> , 2020, 9, 664.	1.5	7
250	Developmental and sexual divergence in the olfactory system of the marine insect <i>Clunio marinus</i> . <i>Scientific Reports</i> , 2020, 10, 2125.	1.6	7
251	<i>Tribolium castaneum</i> defensin 1 kills <i>Moraxella catarrhalis</i> in an in vitro infection model but does not harm commensal bacteria. <i>Virulence</i> , 2021, 12, 1003-1010.	1.8	7
252	The Cellular Innate Immune Response of the Invasive Pest Insect <i>Drosophila suzukii</i> against <i>Pseudomonas entomophila</i> Involves the Release of Extracellular Traps. <i>Cells</i> , 2021, 10, 3320.	1.8	7

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253	Agromyces archimandritae sp. nov., isolated from the cockroach Archimandrita tessellata. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	0.8	7
254	Tribolium castaneum as a wholeâ€œanimal screening system for the detection and characterization of neuroprotective substances. Archives of Insect Biochemistry and Physiology, 2019, 100, e21532.	0.6	6
255	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.	1.6	6
256	Matrix metalloproteinases and their inhibitors â€œ pleiotropic functions in insect immunity and metamorphosis. FEBS Journal, 2021, , .	2.2	6
257	Stingray Venom Proteins: Mechanisms of Action Revealed Using a Novel Network Pharmacology Approach. Marine Drugs, 2022, 20, 27.	2.2	6
258	Venomomics of the Central European Myrmicine Ants Myrmica rubra and Myrmica ruginodis. Toxins, 2022, 14, 358.	1.5	6
259	An approach to sense pheromone concentration by preâ€œconcentration and gas sensors. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 932-937.	0.8	5
260	Immunological larval polyphenism in the map butterfly <i>Araschnia levana</i> reveals the photoperiodic modulation of immunity. Ecology and Evolution, 2018, 8, 4891-4898.	0.8	5
261	The Gram-Positive Bacterium Leuconostoc pseudomesenteroides Shows Insecticidal Activity against Drosophilid and Aphid Pests. Insects, 2020, 11, 471.	1.0	5
262	Organization of the Structural Protein Region of La Jolla Virus Isolated from the Invasive Pest Insect Drosophila suzukii. Viruses, 2021, 13, 740.	1.5	5
263	Morphological Analysis Reveals a Compartmentalized Duct in the Venom Apparatus of the Wasp Spider (Argiope bruennichi). Toxins, 2021, 13, 270.	1.5	5
264	The European Map Butterfly Araschnia levana as a Model to Study the Molecular Basis and Evolutionary Ecology of Seasonal Polyphenism. Insects, 2021, 12, 325.	1.0	5
265	Hexapod Assassinsâ€™™ Potion: Venom Composition and Bioactivity from the Eurasian Assassin Bug Rhynocoris iracundus. Biomedicines, 2021, 9, 819.	1.4	5
266	Potent Activity of Hybrid Arthropod Antimicrobial Peptides Linked by Glycine Spacers. International Journal of Molecular Sciences, 2021, 22, 8919.	1.8	5
267	The Discovery and Structureâ€œActivity Evaluation of (+)â€œFloyocidin B and Synthetic Analogs. ChemMedChem, 2022, 17, .	1.6	5
268	An engineered protein-based submicromolar competitive inhibitor of the Staphylococcus aureus virulence factor aureolysin. Computational and Structural Biotechnology Journal, 2022, 20, 534-544.	1.9	5
269	Therapeutic Potential of Anti-Microbial Peptides from Insects. , 2011, , 29-65.		4
270	Strategies for the construction of insect P450 fusion enzymes. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2017, 72, 405-415.	0.6	4

#	ARTICLE	IF	CITATIONS
271	Larvae of the Clothing Moth <i>Tineola bisselliella</i> Maintain Gut Bacteria that Secrete Enzyme Cocktails to Facilitate the Digestion of Keratin. <i>Microorganisms</i> , 2020, 8, 1415.	1.6	4
272	Isolation of <i>Hermetia illucens</i> larvae core gut microbiota by two different cultivation strategies. <i>Antonie Van Leeuwenhoek</i> , 2022, 115, 821-837.	0.7	4
273	Diet Fermentation Leads to Microbial Adaptation in Black Soldier Fly (<i>Hermetia illucens</i> ; Linnaeus). <i>Trends in Microbiology</i> , 2022, 30, 1000000.	1.6	4
274	Sequences of stilboflavin C: towards the peptaibome of the filamentous fungus <i>Stilbella</i> (=) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T</i>	0.8	3
275	Transgenerational epigenetic inheritance in insects. , 2019, , 315-329.		3
276	ABC Transporter DerAB of <i>Lactobacillus casei</i> Mediates Resistance against Insect-Derived Defensins. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	3
277	Elucidation of the MicroRNA Transcriptome in Western Corn Rootworm Reveals Its Dynamic and Evolutionary Complexity. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 800-814.	3.0	3
278	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.	1.2	3
279	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.	1.0	3
280	A Spider Toxin Exemplifies the Promises and Pitfalls of Cell-Free Protein Production for Venom Biodiscovery. <i>Toxins</i> , 2021, 13, 575.	1.5	3
281	Identification, Characterization, and Synthesis of Natural Parasitic Cysteine Protease Inhibitors: Pentacitidins Are More Potent Falcitidin Analogues. <i>ACS Chemical Biology</i> , 2022, 17, 576-589.	1.6	3
282	<i>Trichoderma</i> -Derived Pentapeptides from the Infected Nest Mycobiome of the Subterranean Termite <i>Coptotermes testaceus</i> . <i>ChemBioChem</i> , 2022, 23, .	1.3	3
283	Biological Profiling of Coleopterins and Coleopterin-Like Antimicrobial Peptides from the Invasive Harlequin Ladybird <i>Harmonia axyridis</i> . <i>Advances in Experimental Medicine and Biology</i> , 2018, 1214, 43-59.	0.8	2
284	Knockdown of Genes Involved in Transcription and Splicing Reveals Novel RNAi Targets for Pest Control. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	2
285	Response to Comments on "Invasive Harlequin Ladybird Carries Biological Weapons Against Native Competitors". <i>Science</i> , 2013, 341, 1342-1342.	6.0	1
286	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.	0.6	1
287	microPIECE - microRNA pipeline enhanced by CLIP experiments. <i>Journal of Open Source Software</i> , 2018, 3, 616.	2.0	1
288	Draft Genome Sequence of <i>Rhodococcus rhodochrous</i> Strain G38GP, Isolated from the Madagascar Hissing Cockroach. <i>Microbiology Resource Announcements</i> , 2021, 10, e0077721.	0.3	1

#	ARTICLE	IF	CITATIONS
289	Organic electrospun nanofibers as vehicles toward intelligent pheromone dispensers: characterization by laboratory investigations. <i>Communications in Agricultural and Applied Biological Sciences</i> , 2011, 76, 819-29.	0.0	1
290	Transgenic expression of antimicrobial peptides from insects enhances resistance against pathogenic fungi in tobacco and barley. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2007, 2, 100-100.	0.5	0
291	PAT-basierte Charakterisierung hydrodynamischer Einflussgrößen auf insektenzellbasierte Systeme im mikrobiasenbegasteten Rührreaktor. <i>Chemie-Ingenieur-Technik</i> , 2014, 86, 1589-1589.	0.4	0
292	Cover Image, Volume 74, Issue 8. <i>Pest Management Science</i> , 2018, 74, i-i.	1.7	0
293	Übersichtsbild: Promoter Activation in <i>E. coli</i> Mutants as an Efficient Tool for Specialized Metabolite Production Enabling Direct Bioactivity Testing (<i>Angew. Chem.</i> 52/2019). <i>Angewandte Chemie</i> , 2019, 131, 19288-19288.	1.6	0
294	<i>Insektenbiotechnologie.</i> , 2019, , 251-264.		0
295	<i>Insect Biotechnology.</i> , 2020, , 247-260.		0
296	Antibacterial activity of a <i>Tribolium castaneum</i> defensin in an in vitro infection model of <i>Moraxella Catarrhalis</i> . <i>Pneumologie</i> , 2020, 74, .	0.1	0
297	Sex pheromone monitoring as a versatile tool for determining presence and abundance of <i>Cydia pomonella</i> (Lep.: Tortricidae) in German apple orchards. <i>Communications in Agricultural and Applied Biological Sciences</i> , 2012, 77, 647-51.	0.0	0
298	<i>Yellow Biotechnology. Preface.</i> <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 136, v-vi.	0.6	0