Andreas Vilcinskas

List of Publications by Year
in descending order

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298 papers	14,807 citations	20817 60 h-index	28297 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 Tribolium castaneum. Nature, 2008, 452, 949-955.	27.8	1,255
2	Antimicrobial peptides: The ancient arm of the human immune system. Virulence, 2010, 1, 440-464.	4.4	576
3	Cultivation of an obligate acidophilic ammonia oxidizer from a nitrifying acid soil. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15892-15897.	7.1	464
4	Immunity and other defenses in pea aphids, Acyrthosiphon pisum. Genome Biology, 2010, 11, R21.	9.6	389
5	Molecular traces of alternative social organization in a termite genome. Nature Communications, 2014, 5, 3636.	12.8	371
6	Evolution of insect olfactory receptors. ELife, 2014, 3, e02115.	6.0	249
7	Immunity in Lepidopteran Insects. Advances in Experimental Medicine and Biology, 2010, 708, 181-204.	1.6	229
8	A comprehensive transcriptome and immune-gene repertoire of the lepidopteran model host Galleria mellonella. BMC Genomics, 2011, 12, 308.	2.8	210
9	Galleria mellonella as a Model System for Studying Listeria Pathogenesis. Applied and Environmental Microbiology, 2010, 76, 310-317.	3.1	208
10	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
11	Diversity, evolution and medical applications of insect antimicrobial peptides. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150290.	4.0	188
12	Beetle immunity: Identification of immune-inducible genes from the model insect Tribolium castaneum. Developmental and Comparative Immunology, 2008, 32, 585-595.	2.3	176
13	Fungi as elicitors of insect immune responses. Archives of Insect Biochemistry and Physiology, 2000, 44, 49-68.	1.5	171
14	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
15	The maternal transfer of bacteria can mediate trans-generational immune priming in insects. Virulence, 2014, 5, 547-554.	4.4	151
16	Cloning and expression of gallerimycin, an antifungal peptide expressed in immune response of greater wax moth larvae,Galleria mellonella. Archives of Insect Biochemistry and Physiology, 2003, 53, 125-133.	1.5	140
17	More than a colour change: insect melanism, disease resistance and fecundity. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130584.	2.6	136
18	Host-Derived Extracellular Nucleic Acids Enhance Innate Immune Responses, Induce Coagulation, and Prolong Survival upon Infection in Insects. Journal of Immunology, 2008, 181, 2705-2712.	0.8	135

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19	Insect antimicrobial peptides show potentiating functional interactions against Gram-negative bacteria. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150293.	2.6	134
20	Invasive Harlequin Ladybird Carries Biological Weapons Against Native Competitors. Science, 2013, 340, 862-863.	12.6	131
21	Silencing the expression of the salivary sheath protein causes transgenerational feeding suppression in the aphid Sitobion avenae. Plant Biotechnology Journal, 2015, 13, 849-857.	8.3	130
22	Can Insects Develop Resistance to Insect Pathogenic Fungi?. PLoS ONE, 2013, 8, e60248.	2.5	124
23	Large scale RNAi screen in Tribolium reveals novel target genes for pest control and the proteasome as prime target. BMC Genomics, 2015, 16, 674.	2.8	119
24	Phytopathogen Lures Its Insect Vector by Altering Host Plant Odor. Journal of Chemical Ecology, 2008, 34, 1045-1049.	1.8	118
25	Pathogen-induced Release of Plant Allomone Manipulates Vector Insect Behavior. Journal of Chemical Ecology, 2008, 34, 1518-1522.	1.8	118
26	Metabolites from nematophagous fungi and nematicidal natural products from fungi as an alternative for biological control. Part I: metabolites from nematophagous ascomycetes. Applied Microbiology and Biotechnology, 2016, 100, 3799-3812.	3.6	117
27	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
28	Insects as models to study the epigenetic basis of disease. Progress in Biophysics and Molecular Biology, 2015, 118, 69-78.	2.9	113
29	The digestive and defensive basis of carcass utilization by the burying beetle and its microbiota. Nature Communications, 2017, 8, 15186.	12.8	112
30	Sustainable farming of the mealworm Tenebrio molitor for the production of food and feed. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2017, 72, 337-349.	1.4	112
31	Microbial Metalloproteinases Mediate Sensing of Invading Pathogens and Activate Innate Immune Responses in the Lepidopteran Model Host Galleria mellonella. Infection and Immunity, 2007, 75, 175-183.	2.2	104
32	Identification of immunorelevant genes from greater wax moth (Galleria mellonella) by a subtractive hybridization approach. Developmental and Comparative Immunology, 2003, 27, 207-215.	2.3	101
33	<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
34	The role of epigenetics in hostâ€“parasite coevolution: lessons from the model host insects Galleria mellonella and Tribolium castaneum. Zoology, 2016, 119, 273-280.	1.2	99
35	Evolutionary plasticity of insect immunity. Journal of Insect Physiology, 2013, 59, 123-129.	2.0	98
36	Expansion of the antimicrobial peptide repertoire in the invasive ladybird Harmonia axyridis. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122113.	2.6	97

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37	Sex, offspring and carcass determine antimicrobial peptide expression in the burying beetle. Scientific Reports, 2016, 6, 25409.	3.3	97
38	Inhibition of phagocytic activity of plasmatocytes isolated from Galleria mellonella by entomogenous fungi and their secondary metabolites. Journal of Insect Physiology, 1997, 43, 475-483.	2.0	95
39	Histone acetylation mediates epigenetic regulation of transcriptional reprogramming in insects during metamorphosis, wounding and infection. Frontiers in Zoology, 2012, 9, 25.	2.0	94
40	The structural sheath protein of aphids is required for phloem feeding. Insect Biochemistry and Molecular Biology, 2015, 57, 34-40.	2.7	93
41	Parasitic Fungi and their Interactions with the Insect Immune System. Advances in Parasitology, 1999, , 267-313.	3.2	92
42	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
43	Effects of the entomopathogenic fungus Metarhizium anisopliae and its secondary metabolites on morphology and cytoskeleton of plasmatocytes isolated from the greater wax moth, Galleria mellonella. Journal of Insect Physiology, 1997, 43, 1149-1159.	2.0	88
44	Woundingâ€mediated gene expression and accelerated viviparous reproduction of the pea aphid Acyrthosiphon pisum. Insect Molecular Biology, 2008, 17, 711-716.	2.0	88
45	Immuno-physiological adaptations confer wax mothGalleria mellonellaresistance toBacillus thuringiensis. Virulence, 2016, 7, 860-870.	4.4	88
46	Enhanced genome assembly and a new official gene set for Tribolium castaneum. BMC Genomics, 2020, 21, 47.	2.8	84
47	Gene silencing in Tribolium castaneum as a tool for the targeted identification of candidate RNAi targets in crop pests. Scientific Reports, 2018, 8, 2061.	3.3	83
48	Differential inductions of phenylalanine ammonia-lyase and chalcone synthase during wounding, salicylic acid treatment, and salinity stress in safflower, Carthamus tinctorius. Bioscience Reports, 2014, 34, .	2.4	82
49	Purification and characterization of an inducible metalloprotease inhibitor from the hemolymph of greater wax moth larvae, Galleria mellonella. FEBS Journal, 1998, 255, 535-543.	0.2	81
50	Development and immunity-related microRNAs of the lepidopteran model host Galleria mellonella. BMC Genomics, 2014, 15, 705.	2.8	79
51	Homoserine Lactones Influence the Reaction of Plants to Rhizobia. International Journal of Molecular Sciences, 2013, 14, 17122-17146.	4.1	77
52	Coevolution between pathogen-derived proteinases and proteinase inhibitors of host insects. Virulence, 2010, 1, 206-214.	4.4	73
53	Isolation and characterization of novel inducible serine protease inhibitors from larval hemolymph of the greater wax moth Galleria mellonella. FEBS Journal, 2000, 267, 2046-2053.	0.2	72
54	Environmentally sustainable pest control options for Drosophila suzukii. Journal of Applied Entomology, 2018, 142, 3-17.	1.8	72

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55	Gender- and stressor-specific microRNA expression in Tribolium castaneum. Biology Letters, 2012, 8, 860-863.	2.3	71
56	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
57	Cloning and expression of an inhibitor of microbial metalloproteinases from insects contributing to innate immunity. Biochemical Journal, 2004, 382, 315-322.	3.7	70
58	Metabolites from nematophagous fungi and nematicidal natural products from fungi as alternatives for biological control. Part II: metabolites from nematophagous basidiomycetes and non-nematophagous fungi. Applied Microbiology and Biotechnology, 2016, 100, 3813-3824.	3.6	70
59	Transgenic expression of gallerimycin, a novel antifungal insect defensin from the greater wax moth Galleria mellonella, confers resistance to pathogenic fungi in tobacco. Biological Chemistry, 2006, 387, 549-557.	2.5	69
60	MMPs Regulate both Development and Immunity in the Tribolium Model Insect. PLoS ONE, 2009, 4, e4751.	2.5	69
61	Insect peptide metchnikowin confers on barley a selective capacity for resistance to fungal ascomycetes pathogens. Journal of Experimental Botany, 2009, 60, 4105-4114.	4.8	68
62	Metamorphosis and collagen-IV-fragments stimulate innate immune response in the greater wax moth, Galleria mellonella. Developmental and Comparative Immunology, 2006, 30, 1108-1118.	2.3	65
63	Secondary Metabolites Released by The Burying Beetle Nicrophorus vespilloides: Chemical Analyses and Possible Ecological Functions. Journal of Chemical Ecology, 2011, 37, 724-735.	1.8	62
64	Translocation of bacteria from the gut to the eggs triggers maternal transgenerational immune priming in Tribolium castaneum. Biology Letters, 2015, 11, 20150885.	2.3	62
65	The insect metalloproteinase inhibitor gene of the lepidopteran Galleria mellonella encodes two distinct inhibitors. Biological Chemistry, 2007, 388, 119-27.	2.5	61
66	Septic injuryâ€inducible genes in medicinal maggots of the green blow fly Lucilia sericata. Insect Molecular Biology, 2009, 18, 119-125.	2.0	60
67	Proteases Released by Entomopathogenic Fungi Impair Phagocytic Activity, Attachment and Spreading of Plasmatocytes Isolated from Haemolymph of the Greater Wax Moth Galleria mellonella. Biocontrol Science and Technology, 1998, 8, 517-531.	1.3	59
68	Coevolution of parasitic fungi and insect hosts. Zoology, 2016, 119, 350-358.	1.2	58
69	Peptaibol, Secondaryâ€Metabolite, and Hydrophobin Pattern of Commercial Biocontrol Agents Formulated with Species of the Trichoderma harzianum Complex. Chemistry and Biodiversity, 2015, 12, 662-684.	2.1	57
70	Insect antimicrobial peptides: potential tools for the prevention of skin cancer. Applied Microbiology and Biotechnology, 2016, 100, 7397-7405.	3.6	56
71	Synergistic Efficacy of Aedes aegypti Antimicrobial Peptide Cecropin A2 and Tetracycline against Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	56
72	The insect antimicrobial peptide cecropin A disrupts uropathogenic Escherichia coli biofilms. Npj Biofilms and Microbiomes, 2020, 6, 6.	6.4	56

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73	The Medical Potential of Antimicrobial Peptides from Insects. Current Topics in Medicinal Chemistry, 2016, 17, 554-575.	2.1	56
74	Short antimicrobial peptides as cosmetic ingredients to deter dermatological pathogens. Applied Microbiology and Biotechnology, 2015, 99, 8847-8855.	3.6	55
75	Chemically mediated multitrophic interactions in a plant-insect vector-phytoplasma system compared with a partially nonvector species. Agricultural and Forest Entomology, 2011, 13, 25-35.	1.3	54
76	Isolation and characterization of isochorismate synthase and cinnamate 4-hydroxylase during salinity stress, wounding, and salicylic acid treatment inCarthamus tinctorius. Plant Signaling and Behavior, 2013, 8, e27335.	2.4	54
77	Recognition and regulation of metalloproteinase activity in the haemolymph of Galleria mellonella: a new pathway mediating induction of humoral immune responses. Insect Biochemistry and Molecular Biology, 2000, 30, 461-472.	2.7	53
78	Insect-Derived Cecropins Display Activity against Acinetobacter baumannii in a Whole-Animal High-Throughput Caenorhabditis elegans Model. Antimicrobial Agents and Chemotherapy, 2015, 59, 1728-1737.	3.2	52
79	Experimental evolution of resistance against Bacillus thuringiensis in the insect model host Galleria mellonella results in epigenetic modifications. Virulence, 2017, 8, 1618-1630.	4.4	52
80	Fitness costs of infection with Serratia symbiotica are associated with greater susceptibility to insecticides in the pea aphid <scp>Acyrthosiphon pisum</scp>. Pest Management Science, 2018, 74, 1829-1836.	3.4	52
81	Harmonine, a defence compound from the harlequin ladybird, inhibits mycobacterial growth and demonstrates multi-stage antimalarial activity. Biology Letters, 2012, 8, 308-311.	2.3	51
82	Pathogens as Biological Weapons of Invasive Species. PLoS Pathogens, 2015, 11, e1004714.	4.7	51
83	The potential of the Galleria mellonella innate immune system is maximized by the co-presentation of diverse antimicrobial peptides. Biological Chemistry, 2016, 397, 939-945.	2.5	51
84	Insect Inhibitors of Metalloproteinases. IUBMB Life, 2002, 54, 339-343.	3.4	50
85	ANTI-infective Therapeutics from the Lepidopteran Model Host Galleria mellonella. Current Pharmaceutical Design, 2011, 17, 1240-1245.	1.9	49
86	Brain infection and activation of neuronal repair mechanisms by the human pathogenListeria monocytogenesin the lepidopteran model hostGalleria mellonella. Virulence, 2013, 4, 324-332.	4.4	49
87	Next Generation Sequencing Based Transcriptome Analysis of Septic-Injury Responsive Genes in the Beetle Tribolium castaneum. PLoS ONE, 2013, 8, e52004.	2.5	49
88	Protected by Fumigants: Beetle Perfumes in Antimicrobial Defense. Journal of Chemical Ecology, 2008, 34, 179-188.	1.8	48
89	Cacopsylla melanoneuraHas No Relevance as Vector of Apple Proliferation in Germany. Phytopathology, 2009, 99, 729-738.	2.2	48
90	A Straightforward DOPE (Double Labeling of Oligonucleotide Probes)-FISH (FluorescenceIn) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td Applied and Environmental Microbiology, 2012, 78, 5138-5142.	3.1	48

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91	The entomopathogenic fungus Metarhizium robertsii communicates with the insect host Galleria mellonella during infection. Virulence, 2018, 9, 402-413.	4.4	48
92	Probiotic Enterococcus mundtii Isolate Protects the Model Insect Tribolium castaneum against Bacillus thuringiensis. Frontiers in Microbiology, 2017, 8, 1261.	3.5	47
93	Analysis of the immune-inducible transcriptome from microbial stress resistant, rat-tailed maggots of the drone fly Eristalis tenax. BMC Genomics, 2007, 8, 326.	2.8	46
94	The Impact of Parasites on Host Insect Epigenetics. Advances in Insect Physiology, 2017, 53, 145-165.	2.7	46
95	Inhibition of Beauveria bassiana Proteases and Fungal Development by Inducible Protease Inhibitors in the Haemolymph of Galleria mellonella Larvae. Biocontrol Science and Technology, 1997, 7, 591-602.	1.3	45
96	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
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 Paederus riparius. Analytical and Bioanalytical Chemistry, 2015, 407, 2189-2201.	3.7	45
98	Heat shock protein 83 plays pleiotropic roles in embryogenesis, longevity, and fecundity of the pea aphid Acyrthosiphon pisum. Development Genes and Evolution, 2017, 227, 1-9.	0.9	45
99	Identification of a lepidopteran matrix metalloproteinase with dual roles in metamorphosis and innate immunity. Developmental and Comparative Immunology, 2008, 32, 400-409.	2.3	43
100	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
101	The biology and evolution of spider venoms. Biological Reviews, 2022, 97, 163-178.	10.4	42
102	Perch (Perca fluviatilis) as an indicator species for structural degradation in regulated rivers and canals in the lowlands of Germany. Ecology of Freshwater Fish, 1997, 6, 174-181.	1.4	41
103	Defense gene expression is potentiated in transgenic barley expressing antifungal peptide metchnikowin throughout powdery mildew challenge. Journal of Plant Research, 2012, 125, 115-124.	2.4	41
104	Svetamycins Aâ€“G, Unusual Piperazic Acid-Containing Peptides from Streptomyces sp.. Journal of Organic Chemistry, 2017, 82, 6032-6043.	3.2	41
105	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
106	Importance of Microorganisms to Macroorganisms Invasions. Advances in Ecological Research, 2017, 57, 99-146.	2.7	40
107	Promoter Activation in Î”hfq Mutants as an Efficient Tool for Specialized Metabolite Production Enabling Direct Bioactivity Testing. Angewandte Chemie - International Edition, 2019, 58, 18957-18963.	13.8	40
108	Epigenetic Mechanisms Regulate Innate Immunity against Uropathogenic and Commensal-Like Escherichia coli in the Surrogate Insect Model Galleria mellonella. Infection and Immunity, 2017, 85, .	2.2	40

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109	Antimicrobial Activity of Exocrine Glandular Secretions, Hemolymph, and Larval Regurgitate of the Mustard Leaf BeetlePhaedon cochleariae. Journal of Invertebrate Pathology, 1998, 72, 296-303.	3.2	39
110	Cooperative interaction of antimicrobial peptides with the interrelated immune pathways in plants. Molecular Plant Pathology, 2016, 17, 464-471.	4.2	39
111	Changes in the transcriptome of the malaria parasite Plasmodium falciparumduring the initial phase of transmission from the human to the mosquito. BMC Genomics, 2013, 14, 256.	2.8	38
112	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
113	Identification of immune-related genes from an apterygote insect, the firebrat Thermobia domestica. Insect Biochemistry and Molecular Biology, 2007, 37, 726-731.	2.7	36
114	Egg survival is reduced by grave-soil microbes in the carrion beetle, Nicrophorus vespilloides. BMC Evolutionary Biology, 2014, 14, 208.	3.2	36
115	A Photorhabdus Natural Product Inhibits Insect Juvenile Hormone Epoxide Hydrolase. ChemBioChem, 2015, 16, 766-771.	2.6	36
116	Profiling antimicrobial peptides from the medical maggotLucilia sericataas potential antibiotics for MDR Gram-negative bacteria. Journal of Antimicrobial Chemotherapy, 2019, 74, 96-107.	3.0	36
117	In Vitro Antimicrobial Efficacy of Tobramycin Against Staphylococcus aureus Biofilms in Combination With or Without DNase I and/or Dispersin B: A Preliminary Investigation. Microbial Drug Resistance, 2017, 23, 384-390.	2.0	35
118	Myriocin Significantly Increases the Mortality of a Non-Mammalian Model Host during Candida Pathogenesis. PLoS ONE, 2013, 8, e78905.	2.5	35
119	Effects of beauverolide L and cyclosporin A on humoral and cellular immune response of the greater wax moth, Galleria mellonella. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1999, 122, 83-92.	0.5	34
120	Anti-Listeria Activities of Galleria mellonella Hemolymph Proteins. Applied and Environmental Microbiology, 2011, 77, 4237-4240.	3.1	33
121	Multifunctional weaponry: The chemical defenses of earwigs. Journal of Insect Physiology, 2013, 59, 1186-1193.	2.0	33
122	Front line defenders of the ecological niche! Screening the structural diversity of peptaibiotics from saprotrophic and fungicolous Trichoderma/Hypocrea species. Fungal Diversity, 2014, 69, 117-146.	12.3	33
123	Scrutinizing the immune defence inventory of Camponotus floridanus applying total transcriptome sequencing. BMC Genomics, 2015, 16, 540.	2.8	33
124	Tribolium castaneum defensins are primarily active against Gram-positive bacteria. Journal of Invertebrate Pathology, 2015, 132, 208-215.	3.2	33
125	Antibiotic-Producing Beneficial Bacteria in the Gut of the Burying Beetle Nicrophorus vespilloides. Frontiers in Microbiology, 2019, 10, 1178.	3.5	33
126	The gut and feed residue microbiota changing during the rearing of Hermetia illucens larvae. Antonie Van Leeuwenhoek, 2020, 113, 1323-1344.	1.7	33

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127	Ixodes ricinus defensins attack distantly-related pathogens. Developmental and Comparative Immunology, 2015, 53, 358-365.	2.3	32
128	A Defensin from the Model Beetle Tribolium castaneum Acts Synergistically with Telavancin and Daptomycin against Multidrug Resistant Staphylococcus aureus. PLoS ONE, 2015, 10, e0128576.	2.5	32
129	Biofilm-degrading enzymes fromLysobacter gummosus. Virulence, 2014, 5, 378-387.	4.4	31
130	The functional interaction between abaecin and pore-forming peptides indicates a general mechanism of antibacterial potentiation. Peptides, 2016, 78, 17-23.	2.4	30
131	Characterization and regulation of expression of an antifungal peptide from hemolymph of an insect, Manduca sexta. Developmental and Comparative Immunology, 2016, 61, 258-268.	2.3	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. Frontiers in Microbiology, 2021, 12, 634503.	3.5	30
133	Role of matrix metalloproteinase ZMP-2 in pathogen resistance and development in Caenorhabditis elegans. Developmental and Comparative Immunology, 2010, 34, 1160-1169.	2.3	28
134	Defensins from the tick Ixodes scapularis are effective against phytopathogenic fungi and the human bacterial pathogen Listeria grayi. Parasites and Vectors, 2014, 7, 554.	2.5	28
135	Knockdown of genes in the Toll pathway reveals new lethal RNA interference targets for insect pest control. Insect Molecular Biology, 2017, 26, 92-102.	2.0	28
136	Mechanisms of transgenerational immune priming in insects. Developmental and Comparative Immunology, 2021, 124, 104205.	2.3	28
137	Protein and Peptide Composition of Male Accessory Glands of Apis mellifera Drones Investigated by Mass Spectrometry. PLoS ONE, 2015, 10, e0125068.	2.5	27
138	A Jonah-like chymotrypsin from the therapeutic maggot Lucilia sericata plays a role in wound debridement and coagulation. Insect Biochemistry and Molecular Biology, 2016, 70, 138-147.	2.7	27
139	The selective antifungal activity of Drosophila melanogaster metchnikowin reflects the species-dependent inhibition of succinateâ€“coenzyme Q reductase. Scientific Reports, 2017, 7, 8192.	3.3	27
140	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
141	Bioactivity of Natural and Engineered Antimicrobial Peptides from Venom of the Scorpions Urodacus yaschenkoi and U. manicatus. Toxins, 2017, 9, 22.	3.4	27
142	Analysis of the immune-related transcriptome of a lophotrochozoan model, the marine annelid Platynereis dumerilii. Frontiers in Zoology, 2007, 4, 18.	2.0	26
143	Identification of immunological expressed sequence tags in the mealworm beetle Tenebrio molitor. Journal of Insect Physiology, 2012, 58, 1556-1561.	2.0	26
144	Galleria Mellonella as a Model Host to Study Gut Microbe Homeostasis and Brain Infection by the Human Pathogen Listeria Monocytogenes. Advances in Biochemical Engineering/Biotechnology, 2013, 135, 27-39.	1.1	26

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145	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
146	Longevity in the red flour beetle Tribolium castaneum is enhanced by broccoli and depends on nrf-2, jnk-1 and foxo-1 homologous genes. Genes and Nutrition, 2013, 8, 439-448.	2.5	25
147	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
148	Evolutionary ecology of microsporidia associated with the invasive ladybird Harmonia axyridis. Insect Science, 2015, 22, 313-324.	3.0	25
149	The model beetle Tribolium castaneum can be used as an early warning system for transgenerational epigenetic side effects caused by pharmaceuticals. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2016, 185-186, 57-64.	2.6	25
150	The insect-derived antimicrobial peptide metchnikowin targets Fusarium graminearum Î²(1,3)glucanosyltransferase Gel1, which is required for the maintenance of cell wall integrity. Biological Chemistry, 2017, 398, 491-498.	2.5	25
151	Drugs from bugs: the use of insects as a valuable source of transgenes with potential in modern plant protection strategies. Journal of Pest Science, 2005, 78, 187-191.	3.7	24
152	Comparative analysis of septic injury-inducible genes in phylogenetically distant model organisms of regeneration and stem cell research, the planarian Schmidtea mediterranea and the cnidarian Hydra vulgaris. Frontiers in Zoology, 2008, 5, 6.	2.0	24
153	Identification of collagen IV derived danger/alarm signals in insect immunity by nanoLC-FTICR MS. Biological Chemistry, 2009, 390, 1303-1311.	2.5	24
154	Structural Evidence for Standardâ€Mechanism Inhibition in Metallopeptidases from a Complex Poised to Resynthesize a Peptide Bond. Angewandte Chemie - International Edition, 2011, 50, 10357-10360.	13.8	24
155	Next Generation Sequencing Identifies Five Major Classes of Potentially Therapeutic Enzymes Secreted byLucilia sericataMedical Maggots. BioMed Research International, 2016, 2016, 1-27.	1.9	24
156	Endogenous egg immune defenses in the yellow mealworm beetle (Tenebrio molitor). Developmental and Comparative Immunology, 2017, 70, 1-8.	2.3	24
157	Behavioral and Immunological Features Promoting the Invasive Performance of the Harlequin Ladybird Harmonia axyridis. Frontiers in Ecology and Evolution, 2017, 5, .	2.2	24
158	Post-embryonic functions of HSP90 in Tribolium castaneum include the regulation of compound eye development. Development Genes and Evolution, 2011, 221, 357-362.	0.9	23
159	Orally Delivered Scorpion Antimicrobial Peptides Exhibit Activity against Pea Aphid (Acyrthosiphon) Tj ETQq1 1 0.784314 rgBT /Overlo	3.4	23
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