

# Phylogenomics resolves the timing and pattern of insect

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Evolutionary divergence of core and post-translational circadian clock genes in the pitcher-plant mosquito, <i>Wyeomyia smithii</i> . <i>BMC Genomics</i> , 2015, 16, 754.	1.2	12
3	Convergent adaptive evolution “ how insects master the challenge of cardiac glycoside-containing host plants. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 157, 30-39.	0.7	54
4	Insect phylogenomics. <i>Insect Molecular Biology</i> , 2015, 24, 403-411.	1.0	17
5	Using phylogenomics to resolve mega-families: An example from Compositae. <i>Journal of Systematics and Evolution</i> , 2015, 53, 391-402.	1.6	76
6	The beetle tree of life reveals that Coleoptera survived end-Permian mass extinction to diversify during the Cretaceous terrestrial revolution. <i>Systematic Entomology</i> , 2015, 40, 835-880.	1.7	435
7	Bifidobacteria exhibit social behavior through carbohydrate resource sharing in the gut. <i>Scientific Reports</i> , 2015, 5, 15782.	1.6	233
8	Emergence of <i>de novo</i> proteins from “dark genomic matter”™ by “grow slow and moult”™. <i>Biochemical Society Transactions</i> , 2015, 43, 867-873.	1.6	38
9	Unravelling peptidomes by in silico mining. <i>Peptidomics</i> , 2015, 2, .	0.3	5
10	Molecular developmental evidence for a subcoxal origin of pleurites in insects and identity of the subcoxa in the gnathal appendages. <i>Scientific Reports</i> , 2015, 5, 15757.	1.6	18
11	Two functional types of attachment pads on a single foot in the Namibia bush cricket <i>Acanthoproctus diadematus</i> (Orthoptera: Tettigoniidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142976.	1.2	20
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13	The ubiquity and ancestry of insect doublesex. <i>Scientific Reports</i> , 2015, 5, 13068.	1.6	42
14	Optimizing and benchmarking de novo transcriptome sequencing: from library preparation to assembly evaluation. <i>BMC Genomics</i> , 2015, 16, 977.	1.2	82
15	Life habits, hox genes, and affinities of a 311 million-year-old holometabolan larva. <i>BMC Evolutionary Biology</i> , 2015, 15, 208.	3.2	36
16	Single origin of the Mascarene stick insects: ancient radiation on sunken islands?. <i>BMC Evolutionary Biology</i> , 2015, 15, 196.	3.2	92
17	Comparative RNA seq analysis of the New Zealand glowworm <i>Arachnocampa luminosa</i> reveals bioluminescence-related genes. <i>BMC Genomics</i> , 2015, 16, 825.	1.2	18
18	De novo assembly and sex-specific transcriptome profiling in the sand fly <i>Phlebotomus perniciosus</i> (Diptera, Phlebotominae), a major Old World vector of <i>Leishmania infantum</i> . <i>BMC Genomics</i> , 2015, 16, 847.	1.2	23
19	A molecular phylogeny for the oldest (nonditrysian) lineages of extant Lepidoptera, with implications for classification, comparative morphology and life-history evolution. <i>Systematic Entomology</i> , 2015, 40, 671-704.	1.7	82

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23	Codon bias and gene ontology in holometabolous and hemimetabolous insects. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2015, 324, 686-698.	0.6	3
24	Naupliar and Metanaupliar Development of <i>Thysanoessa raschii</i> (Malacostraca, Euphausiacea) from Godthåbsfjord, Greenland, with a Reinstatement of the Ancestral Status of the Free-Living Nauplius in Malacostracan Evolution. <i>PLoS ONE</i> , 2015, 10, e0141955.	1.1	8
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26	The PRXamide Neuropeptide Signalling System. <i>Advances in Insect Physiology</i> , 2015, 49, 123-170.	1.1	45
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32	<strong>First instar tibiotarsal chaetotaxy supports the Entomobryidae and Symphypleona (Collembola) forming a cluster in a phylogenetic tree</strong>. <i>Zootaxa</i> , 2015, 3955, 487.	0.2	8
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37	Communication and Social Regulation in Termites. , 2015, , 193-248.		38

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78	Estimating ecological production from biomass. <i>Ecosphere</i> , 2015, 6, 1-31.	1.0	26
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110	Spider phylogenomics: untangling the Spider Tree of Life. <i>PeerJ</i> , 2016, 4, e1719.	0.9	253

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582	Mate sampling influences the intensity of sexual selection and the evolution of costly sexual ornaments. <i>Journal of Theoretical Biology</i> , 2018, 447, 74-83.	0.8	14

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596	Compositional heterogeneity in true bug mitochondrial phylogenomics. <i>Molecular Phylogenetics and Evolution</i> , 2018, 118, 135-144.	1.2	112
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603	Parthenogenesis in Hexapoda: holometabolous insects. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2018, 56, 23-34.	0.6	46
604	Evolution of lacewings and allied orders using anchored phylogenomics (europtera,). <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i>	1.7	133
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606	Genomes of the Hymenoptera. <i>Current Opinion in Insect Science</i> , 2018, 25, 65-75.	2.2	63
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616	The complete mitochondrial genome of <i>Epeorus herklotsi</i> (Ephemeroptera: Heptageniidae) from Longquan, Zhejiang, China and its phylogeny. <i>Mitochondrial DNA Part B: Resources</i> , 2018, 3, 1254-1255.	0.2	3
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1080	On the value of Burmese amber for understanding insect evolution: Insights from â€C <i>Heterobathmilla</i> â€“ an exceptional stem group genus of Strepsiptera (Insecta). <i>Cladistics</i> , 2021, 37, 211-229.	1.5	10
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1082	Juvenile hormone upregulates sugarbabe for vitellogenesis and egg development in the migratory locust <i>Locusta migratoria</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2021, 106, e21742.	0.6	4
1083	The ionotropic receptor gene family in Lepidoptera and Trichoptera: Annotation, evolutionary and functional perspectives. <i>Genomics</i> , 2021, 113, 601-612.	1.3	20

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1084	The age of insects and the revival of the minimum age tree. <i>Austral Entomology</i> , 2021, 60, 138-146.	0.8	13
1085	Evolutionary history of histamine receptors: Early vertebrate origin and expansion of the H3-H4 subtypes. <i>Molecular Phylogenetics and Evolution</i> , 2021, 154, 106989.	1.2	6
1086	Atypical insects: molecular mechanisms of unusual life history strategies. <i>Current Opinion in Insect Science</i> , 2021, 43, 46-53.	2.2	9
1087	Mind the Outgroup and Bare Branches in Total-Evidence Dating: a Case Study of Pimpliform Darwin Wasps (Hymenoptera, Ichneumonidae). <i>Systematic Biology</i> , 2021, 70, 322-339.	2.7	34
1088	Phylogenomics provides new perspectives on the Euphasmatodea radiation (Insecta: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 582 Td	1.2	19
1089	Surf and turf vision: Patterns and predictors of visual acuity in compound eye evolution. <i>Arthropod Structure and Development</i> , 2021, 60, 101002.	0.8	14
1090	Diplura in caves: diversity, ecology, evolution and biogeography. <i>Zoological Journal of the Linnean Society</i> , 2021, 192, 675-689.	1.0	14
1091	Phylogenomics of the North American Plecoptera. <i>Systematic Entomology</i> , 2021, 46, 287-305.	1.7	19
1092	Lepidoptera: Female sex pheromone biosynthesis and its hormonal regulation. , 2021, , 13-88.		7
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1094	Egg structure of five antarctoperlarian stoneflies (Insecta: Plecoptera, Antarctoperlaria). <i>Arthropod Structure and Development</i> , 2021, 60, 101011.	0.8	7
1095	Multi-level convergence of complex traits and the evolution of bioluminescence. <i>Biological Reviews</i> , 2021, 96, 673-691.	4.7	35
1096	Chromosomal analysis of eight species of dragonflies (Anisoptera) and damselflies (Zygoptera) using conventional cytogenetics and fluorescence in situ hybridization: Insights into the karyotype evolution of the ancient insect order Odonata. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 387-399.	0.6	10
1097	Is Sexual Conflict a Driver of Speciation? A Case Study With a Tribe of Brush-footed Butterflies. <i>Systematic Biology</i> , 2021, 70, 413-420.	2.7	4
1098	Comparative transcriptomics of ice-crawlers demonstrates cold specialization constrains niche evolution in a relict lineage. <i>Evolutionary Applications</i> , 2021, 14, 360-382.	1.5	5
1099	Oral RNAi of diap1 results in rapid reduction of damage to potatoes in <i>Henosepilachna vigintioctopunctata</i> . <i>Journal of Pest Science</i> , 2021, 94, 505-515.	1.9	11
1100	Assessing support for <sc>Blaberoidea</sc> phylogeny suggests optimal locus quality. <i>Systematic Entomology</i> , 2021, 46, 157-171.	1.7	18
1101	The histology and ultrastructure of the salivary glands of <i>Neopanorpa longiprocessa</i> (Mecoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td	1.0	6

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1102	<i>Apolygus lucorum</i> genome provides insights into omnivorousness and mesophyll feeding. <i>Molecular Ecology Resources</i> , 2021, 21, 287-300.	2.2	31
1103	Phylogenomic relationships of bioluminescent elateroids define the "lampyroid" clade with clicking <i>Sinopyrophoridae</i> as its earliest member. <i>Systematic Entomology</i> , 2021, 46, 111-123.	1.7	32
1104	Antimicrobial Peptides as Potential Therapeutic Agents: A Review. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 555-577.	0.9	49
1105	Sperm Ultrastructure of corydalid <i>Corydalus diasi</i> Navás (Megaloptera, Neuropterida, Insecta) with phylogenetic considerations. <i>Acta Zoologica</i> , 2021, 102, 26-37.	0.6	0
1106	Genome-wide identification of neuropeptides and their receptor genes in <i>Bemisia tabaci</i> and their transcript accumulation change in response to temperature stresses. <i>Insect Science</i> , 2021, 28, 35-46.	1.5	15
1107	Philosophy of Evolutionary Biology. <i>Biology Bulletin Reviews</i> , 2021, 11, 1-26.	0.3	3
1109	Fossil Social Insects. , 2021, , 384-403.		6
1110	The molecular systematics and diversification of a taxonomically unstable group of Asian cicada tribes related to <i>Cicadini</i> Latreille, 1802 (Hemiptera: Cicadidae). <i>Invertebrate Systematics</i> , 2021, 35, 570-601.	0.5	12
1113	Analysis of RNA-Seq, DNA Target Enrichment, and Sanger Nucleotide Sequence Data Resolves Deep Splits in the Phylogeny of Cuckoo Wasps (Hymenoptera: Chrysididae). <i>Insect Systematics and Diversity</i> , 2021, 5, .	0.7	8
1114	The History of Insect Parasitism and the Mid-Mesozoic Parasitoid Revolution. <i>Topics in Geobiology</i> , 2021, , 377-533.	0.6	21
1115	Transcriptomic analysis of s-methoprene resistance in the lesser grain borer, <i>Rhyzopertha dominica</i> , and evaluation of piperonyl butoxide as a resistance breaker. <i>BMC Genomics</i> , 2021, 22, 65.	1.2	3
1116	Viromics of extant insect orders unveil the evolution of the flavi-like superfamily. <i>Virus Evolution</i> , 2021, 7, veab030.	2.2	35
1117	Parasites of Fossil Vertebrates: What We Know and What Can We Expect from the Fossil Record?. <i>Topics in Geobiology</i> , 2021, , 1-27.	0.6	13
1118	Regulation of acoustic sensory-to-motor processing in insects. , 2021, , 13-29.		1
1119	Assessing a generic synapomorphy of <i>Pseudodebis</i> Forster, 1964 (Lepidoptera : Nymphalidae : Satyrinae) and a recent speciation with a shift in elevation between two new species in the western Andes. <i>Invertebrate Systematics</i> , 2021, , .	0.5	1
1120	QMaker: Fast and Accurate Method to Estimate Empirical Models of Protein Evolution. <i>Systematic Biology</i> , 2021, 70, 1046-1060.	2.7	39
1121	Beyond <i>Drosophila</i> : resolving the rapid radiation of schizophoran flies with phylotranscriptomics. <i>BMC Biology</i> , 2021, 19, 23.	1.7	22
1122	Editorial overview: Development and regulation: from heresy to the molecular understanding of the metamorphic transformation. <i>Current Opinion in Insect Science</i> , 2021, 43, iii-v.	2.2	0

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1124	Universal fluorescence in situ hybridization (FISH) protocol for mapping repetitive DNAs in insects and other arthropods. <i>Molecular Genetics and Genomics</i> , 2021, 296, 513-526.	1.0	27
1125	Evidence for aposematism in a southern hemisphere stonefly family (Plecoptera: Austroperlidae). <i>Austral Entomology</i> , 2021, 60, 267-275.	0.8	5
1126	Chronological Incongruences between Mitochondrial and Nuclear Phylogenies of <i>Aedes</i> Mosquitoes. <i>Life</i> , 2021, 11, 181.	1.1	14
1127	Total Ortholog Median Matrix as an alternative unsupervised approach for phylogenomics based on evolutionary distance between protein coding genes. <i>Scientific Reports</i> , 2021, 11, 3791.	1.6	2
1129	Towards a new classification of Muscidae (Diptera): a comparison of hypotheses based on multiple molecular phylogenetic approaches. <i>Systematic Entomology</i> , 2021, 46, 508-525.	1.7	20
1130	Dissecting Incongruence between Concatenation- and Quartet-Based Approaches in Phylogenomic Data. <i>Systematic Biology</i> , 2021, 70, 997-1014.	2.7	28
1131	A chromosome-level genome of the mud crab ( <i>Scylla paramamosain</i> ) provides insights into the evolution of chemical and light perception in this crustacean. <i>Molecular Ecology Resources</i> , 2021, 21, 1299-1317.	2.2	17
1133	Reconstructing the nonadaptive radiation of an ancient lineage of ground-dwelling stick insects (Phasmatodea: Heteropterygidae). <i>Systematic Entomology</i> , 2021, 46, 487-507.	1.7	23
1134	Phylogenomics of Ichneumonoidea (Hymenoptera) and implications for evolution of mode of parasitism and viral endogenization. <i>Molecular Phylogenetics and Evolution</i> , 2021, 156, 107023.	1.2	30
1135	Adding leaves to the Lepidoptera tree: capturing hundreds of nuclear genes from old museum specimens. <i>Systematic Entomology</i> , 2021, 46, 649-671.	1.7	40
1136	Comprehensive comparative morphology and developmental staging of final instar larvae toward metamorphosis in the insect order Odonata. <i>Scientific Reports</i> , 2021, 11, 5164.	1.6	2
1137	Mountains act as museums and cradles for hemipteran insects in China: Evidence from patterns of richness and phylogenetic structure. <i>Global Ecology and Biogeography</i> , 2021, 30, 1070-1085.	2.7	22
1138	Neurodevelopmental and transcriptomic effects of CRISPR/Cas9-induced somatic <i>orco</i> mutation in honey bees. <i>Journal of Neurogenetics</i> , 2021, 35, 320-332.	0.6	23
1139	An Overview of Antennal Esterases in Lepidoptera. <i>Frontiers in Physiology</i> , 2021, 12, 643281.	1.3	14
1141	Phylogeography of the northernmost distributed <i>Anisocentropus</i> caddisflies and their comparative genetic structures based on habitat preferences. <i>Ecology and Evolution</i> , 2021, 11, 4957-4971.	0.8	8
1142	Reanalysis of the apoid wasp phylogeny with additional taxa and sequence data confirms the placement of Ammoplanidae as sister to bees. <i>Systematic Entomology</i> , 2021, 46, 558-569.	1.7	16
1143	Beetles as floral visitors in the Magnoliaceae: an evolutionary perspective. <i>Arthropod-Plant Interactions</i> , 2021, 15, 273-283.	0.5	4

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1145	Striking parallels between dorsoventral patterning in <i>Drosophila</i> and <i>Gryllus</i> reveal a complex evolutionary history behind a model gene regulatory network. <i>ELife</i> , 2021, 10, .	2.8	20
1146	Alienopterix Mlynsk <sup>1/2</sup> et al., 2018 complex in North Myanmar amber supports Umenocoleoidea/ae status. <i>Biologia (Poland)</i> , 2021, 76, 2207-2224.	0.8	14
1147	Diversity, ecology, distribution and biogeography of Diplura. <i>Insect Conservation and Diversity</i> , 2021, 14, 415-425.	1.4	16
1149	Biochemically identified neuropeptides in a caddisfly (Trichoptera) and a pygmy mole cricket (Orthoptera: Caelifera: Tridactyloidea). <i>Archives of Insect Biochemistry and Physiology</i> , 2021, 106, e21778.	0.6	1
1151	Genome assembly and methylome analysis of the white wax scale insect provides insight into sexual differentiation of metamorphosis in hexapods. <i>Molecular Ecology Resources</i> , 2021, 21, 1983-1995.	2.2	3
1153	The limits of Quediini at last (Staphylinidae: Staphylininae): a rove beetle mega-radiation resolved by comprehensive sampling and anchored phylogenomics. <i>Systematic Entomology</i> , 2021, 46, 396-421.	1.7	16
1154	The lobula plate is exclusive to insects. <i>Arthropod Structure and Development</i> , 2021, 61, 101031.	0.8	8
1155	Convergent evolution of optic lobe neuropil in Pancrustacea. <i>Arthropod Structure and Development</i> , 2021, 61, 101040.	0.8	9
1157	Ascodipteron sanmingensis sp. nov., a new bat fly (Hippoboscidae: streblid grade) from Fujian, China. <i>Biodiversity Data Journal</i> , 2021, 9, e64558.	0.4	2
1158	Sistem <sup>1</sup> tica y diversidad de las hormigas neotropicales. <i>Revista Colombiana De Entomologia</i> , 2021, 47, 1-20.	0.1	4
1159	Identification and characterization of a novel rhabdovirus in green rice leafhopper, <i>Nephotettix cincticeps</i> . <i>Virus Research</i> , 2021, 296, 198281.	1.1	3
1161	Adaptation of codon and amino acid use for translational functions in highly expressed cricket genes. <i>BMC Genomics</i> , 2021, 22, 234.	1.2	9
1162	Sensing and signalling viral infection in drosophila. <i>Developmental and Comparative Immunology</i> , 2021, 117, 103985.	1.0	24
1163	Large-Scale Annotation and Evolution Analysis of MiRNA in Insects. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	15
1164	<i>scAnt</i>”an open-source platform for the creation of 3D models of arthropods (and other small) Tj ETQq0 0 0 rgBT /Overlock 10 0.95 16	0.95	16
1165	Simple inheritance of color and pattern polymorphism in the steppe grasshopper <i>Chorthippus dorsatus</i> . <i>Heredity</i> , 2021, 127, 66-78.	1.2	6
1169	Penetration mechanics of elongated female and male genitalia of earwigs. <i>Scientific Reports</i> , 2021, 11, 7920.	1.6	6
1170	Gondwana breakup under the ephemeral look. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 1028-1036.	0.6	8



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1172	Performance of two species of whiteflies is unaffected by glucosinolate profile in Brassica plants. <i>Pest Management Science</i> , 2021, 77, 4313-4320.	1.7	3
1173	A high-quality carabid genome assembly provides insights into beetle genome evolution and cold adaptation. <i>Molecular Ecology Resources</i> , 2021, 21, 2145-2165.	2.2	13
1174	Phylogenomic Subsampling and the Search for Phylogenetically Reliable Loci. <i>Molecular Biology and Evolution</i> , 2021, 38, 4025-4038.	3.5	58
1175	<scp>SLI1</scp> confers broad-spectrum resistance to phloem-feeding insects. <i>Plant, Cell and Environment</i> , 2021, 44, 2765-2776.	2.8	13
1176	Climate change effects on animal ecology: butterflies and moths as a case study. <i>Biological Reviews</i> , 2021, 96, 2113-2126.	4.7	63
1178	Anchored Phylogenomics, Evolution and Systematics of Elateridae: Are All Bioluminescent Elateroidea Derived Click Beetles?. <i>Biology</i> , 2021, 10, 451.	1.3	39
1179	First instar nymphs of two peltoperlid stoneflies (Insecta, Plecoptera, Peltoperlidae). <i>Mitteilungen Aus Dem Museum Fur Naturkunde in Berlin - Deutsche Entomologische Zeitschrift</i> , 2021, 68, 179-188.	0.3	1
1180	Draft nuclear genome and complete mitogenome of the Mediterranean corn borer, <i>Sesamia nonagrioides</i> , a major pest of maize. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	11
1182	A comparative genomic approach using mouse and fruit fly data to discover genes involved in testis function in hymenopterans with a focus on <i>Nasonia vitripennis</i> . <i>Bmc Ecology and Evolution</i> , 2021, 21, 90.	0.7	1
1184	Larvae of longhorned beetles (Coleoptera; Cerambycidae) have evolved a diverse and phylogenetically conserved array of plant cell wall degrading enzymes. <i>Systematic Entomology</i> , 2021, 46, 784-797.	1.7	13
1187	Geographic variation in the robustness of pollination networks is mediated by modularity. <i>Global Ecology and Biogeography</i> , 2021, 30, 1447-1460.	2.7	17
1188	Hox dosage contributes to flight appendage morphology in <i>Drosophila</i> . <i>Nature Communications</i> , 2021, 12, 2892.	5.8	30
1189	First draft genome assembly of the desert locust, <i>Schistocerca gregaria</i> . <i>F1000Research</i> , 2020, 9, 775.	0.8	24
1190	Ultrastructural 3D reconstruction of the smallest known insect photoreceptors: The stemmata of a first instar larva of Strepsiptera (Hexapoda). <i>Arthropod Structure and Development</i> , 2021, 62, 101055.	0.8	1
1191	Juvenile ecology drives adult morphology in two insect orders. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210616.	1.2	5
1192	Host Phylogeny and Diet Shape Gut Microbial Communities Within Bamboo-Feeding Insects. <i>Frontiers in Microbiology</i> , 2021, 12, 633075.	1.5	27
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1195	Preliminary Study of Insect Diversity and Its Economic Importance in Agulu-Nanka Gully Sites. <i>Journal of Applied Life Sciences International</i> , 0, , 1-12.	0.2	0
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1197	X-ray microtomography and phylogenomics provide insights into the morphology and evolution of an enigmatic Mesozoic insect larva. <i>Systematic Entomology</i> , 2021, 46, 672-684.	1.7	27
1198	Evolutionary morphology of the antennal heart in stick and leaf insects (Phasmatodea) and web-spinners (Embioptera) (Insecta: Eukinolabia). <i>Zoomorphology</i> , 2021, 140, 331-340.	0.4	1
1199	Long Reads Are Revolutionizing 20 Years of Insect Genome Sequencing. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	75
1200	Fifty million years of beetle evolution along the Antarctic Polar Front. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	21
1201	The Pre-Metaphase Stretch: A Re-Examination. <i>Dna</i> , 2021, 1, 3-12.	0.4	2
1202	Insights into the genomic evolution of insects from cricket genomes. <i>Communications Biology</i> , 2021, 4, 733.	2.0	41
1204	Increasing 28 mitogenomes of Ephemeroptera, Odonata and Plecoptera support the Chiasmomyria hypothesis with three different outgroup combinations. <i>PeerJ</i> , 2021, 9, e11402.	0.9	11
1206	Morphological phylogeny of Panorpidae (Mecoptera: Panorpoidea). <i>Systematic Entomology</i> , 2021, 46, 526-557.	1.7	15
1207	Phylogeny and classification of Odonata using targeted genomics. <i>Molecular Phylogenetics and Evolution</i> , 2021, 160, 107115.	1.2	36
1209	Evolutionary dynamics of sex-biased genes expressed in cricket brains and gonads. <i>Journal of Evolutionary Biology</i> , 2021, 34, 1188-1211.	0.8	14
1210	Evolution of Toll, Spatzle and MyD88 in insects: the problem of the Diptera bias. <i>BMC Genomics</i> , 2021, 22, 562.	1.2	13
1211	Comparative and functional genomics of the ABC transporter superfamily across arthropods. <i>BMC Genomics</i> , 2021, 22, 553.	1.2	12
1212	How are the mitochondrial genomes reorganized in Hexapoda? Differential evolution and the first report of convergences within Hexapoda. <i>Gene</i> , 2021, 791, 145719.	1.0	17
1213	A review of the hexapod tracheal system with a focus on the apterygote groups. <i>Arthropod Structure and Development</i> , 2021, 63, 101072.	0.8	7
1214	Mechanical properties of a female reproductive tract of a beetle and implications for penile penetration. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211125.	1.2	7

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1215	Cryo-EM structure of the flight muscle thick filament from the bumble bee, <i>Bombus ignitius</i> , at 6 Å... Resolution. <i>Microscopy and Microanalysis</i> , 2021, 27, 1684-1686.	0.2	0
1216	Phylogenomic analyses clarify the pattern of evolution of Adephaga (Coleoptera) and highlight phylogenetic artefacts due to model misspecification and excessive data trimming. <i>Systematic Entomology</i> , 2021, 46, 991-1018.	1.7	12
1217	The Natterin Proteins Diversity: A Review on Phylogeny, Structure, and Immune Function. <i>Toxins</i> , 2021, 13, 538.	1.5	23
1218	Bridging the Gap Between Mammal and Insect Ears – A Comparative and Evolutionary View of Sound-Reception. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	11
1219	Combining molecular datasets with strongly heterogeneous taxon coverage enlightens the peculiar biogeographic history of stoneflies (Insecta: Plecoptera). <i>Systematic Entomology</i> , 2021, 46, 952-967.	1.7	13
1220	Integrative phylogenomics reveals a Permian origin of Adephaga beetles. <i>Systematic Entomology</i> , 2021, 46, 968-990.	1.7	15
1221	Population genomics reveals variable patterns of immune gene evolution in monarch butterflies ( <i>Danaus plexippus</i> ). <i>Molecular Ecology</i> , 2021, 30, 4381-4391.	2.0	4
1222	Metamorphic development of the olfactory system in the red flour beetle ( <i>Tribolium castaneum</i> ), Tj ETQq1 1 0.784314 rgBT /Overlock 15	1.7	5
1223	Deep Ancestral Introgression Shapes Evolutionary History of Dragonflies and Damselflies. <i>Systematic Biology</i> , 2022, 71, 526-546.	2.7	32
1225	Convergence of Social Strategies in Carrion Breeding Insects. <i>BioScience</i> , 2021, 71, 1028-1037.	2.2	19
1226	Patterns of morphological simplification and innovation in the megadiverse Holometabola (Insecta). <i>Cladistics</i> , 2022, 38, 227-245.	1.5	10
1227	Genome assembly, sex-biased gene expression and dosage compensation in the damselfly <i>Ischnura elegans</i> . <i>Genomics</i> , 2021, 113, 1828-1837.	1.3	17
1228	The evolution of marine dwelling in Diptera. <i>Ecology and Evolution</i> , 2021, 11, 11440-11448.	0.8	1
1229	Evolution and genomic organization of the insect sHSP gene cluster and coordinate regulation in phenotypic plasticity. <i>Bmc Ecology and Evolution</i> , 2021, 21, 154.	0.7	0
1230	Evolution of the Insect PPK Gene Family. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	15
1231	A widely diverged locus involved in locomotor adaptation in <i>Heliconius</i> butterflies. <i>Science Advances</i> , 2021, 7, .	4.7	9
1232	Evolutionary terrestrialization scenarios for soil invertebrates. <i>Pedobiologia</i> , 2021, 87-88, 150753.	0.5	9
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1234	The biology and evolution of spider venoms. <i>Biological Reviews</i> , 2022, 97, 163-178.	4.7	42
1235	Phylogenomic Analysis of Velvet Worms (Onychophora) Uncovers an Evolutionary Radiation in the Neotropics. <i>Molecular Biology and Evolution</i> , 2021, 38, 5391-5404.	3.5	10
1237	Three Complete Mitochondrial Genomes of <i>Orestes guangxiensis</i> , <i>Peruphasma schultei</i> , and <i>Phryganistria guangxiensis</i> (Insecta: Phasmatodea) and Their Phylogeny. <i>Insects</i> , 2021, 12, 779.	1.0	10
1238	Evolution of a key enzyme of aerobic metabolism reveals Proterozoic functional subunit duplication events and an ancient origin of animals. <i>Scientific Reports</i> , 2021, 11, 15744.	1.6	4
1239	The Easter Egg Weevil ( <i>Pachyrhynchus</i> ) genome reveals syntenic patterns in Coleoptera across 200 million years of evolution. <i>PLoS Genetics</i> , 2021, 17, e1009745.	1.5	14
1240	Genetic innovations in animal-microbe symbioses. <i>Nature Reviews Genetics</i> , 2022, 23, 23-39.	7.7	60
1242	Pigmentation and color pattern diversity in Odonata. <i>Current Opinion in Genetics and Development</i> , 2021, 69, 14-20.	1.5	15
1243	What crustaceans can tell us about the evolution of insect wings and other morphologically novel structures. <i>Current Opinion in Genetics and Development</i> , 2021, 69, 48-55.	1.5	12
1244	Recombination mapping of the Brazilian stingless bee <i>Frieseomelitta varia</i> confirms high recombination rates in social hymenoptera. <i>BMC Genomics</i> , 2021, 22, 673.	1.2	1
1246	Vicariance and dispersal events inferred from mitochondrial genomes and nuclear genes (18S, 28S) shaped global <i>Cryptocercus</i> distributions. <i>Molecular Phylogenetics and Evolution</i> , 2022, 166, 107318.	1.2	4
1247	Characterization of cuticular hydrocarbons in a subsocial bee, <i>Ceratina calcarata</i> . <i>Insectes Sociaux</i> , 0, , 1.	0.7	3
1248	Mitogenomes of Three Satyrid Butterfly Species (Nymphalidae: Lepidoptera) and Reconstructed Phylogeny of Satyrinae. <i>Diversity</i> , 2021, 13, 468.	0.7	1
1249	Effects of Functional Depletion of Doublesex on Male Development in the Sawfly, <i>Athalia rosae</i> . <i>Insects</i> , 2021, 12, 849.	1.0	6
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1576	<i>Xenos yangi</i> sp. nov.: A new twisted-wing parasite species (Strepsiptera, Xenidae) from Gaoligong Mountains, Southwest China. <i>ZooKeys</i> , 2022, 1085, 11-27.	0.5	2
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1811	Genome-wide and expression-profiling analyses of the cytochrome P450 genes in Tenebrionidea. <i>Archives of Insect Biochemistry and Physiology</i> , 0, , .	0.6	1
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1814	The First Chromosome-level Genome Assembly of <i>Cheumatopsyche charites</i> Malicky and Chantaramongkol, 1997 (Trichoptera: Hydropsychidae) Reveals How It Responds to Pollution. <i>Genome Biology and Evolution</i> , 2022, 14, .	1.1	3
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1852	Advanced Research on Fossil Insects. <i>Taxonomy</i> , 2022, 2, 488-490.	0.4	1
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1894	Revisiting the formation of midgut epithelium in <i>Zygentoma</i> (Insecta) from a developmental study of the firebrat <i>Thermobia domestica</i> (Packard, 1873) (Lepismatidae). <i>Arthropod Structure and Development</i> , 2023, 73, 101237.	0.8	0
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1920	Invertebrates, Terrestrial, Overview. , 2024, , 487-502.		0
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1939	Pseudo-Rate Matrices, Beyond Dayhoff's Model. <i>Applied and Numerical Harmonic Analysis</i> , 2023, , 617-644.	0.1	0
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1964	New Insights into the <i>Plutella xylostella</i> Detoxifying Enzymes: Sequence Evolution, Structural Similarity, Functional Diversity, and Application Prospects of Glucosinolate Sulfatases. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 10952-10969.	2.4	3

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