

Lars Podsiadlowski

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72
papers

4,743
citations

35
h-index

68
g-index

76
ext. papers

6,255
ext. citations

5.2
avg, IF

5.05
L-index

#	Paper	IF	Citations
72	Phylogenomics resolves the timing and pattern of insect evolution. <i>Science</i> , 2014 , 346, 763-7	33.3	1489
71	Evolutionary History of the Hymenoptera. <i>Current Biology</i> , 2017 , 27, 1013-1018	6.3	372
70	The evolution and genomic basis of beetle diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24729-24737	11.5	156
69	A comprehensive analysis of bilaterian mitochondrial genomes and phylogeny. <i>Molecular Phylogenetics and Evolution</i> , 2013 , 69, 352-64	4.1	140
68	Diversity, evolution and medical applications of insect antimicrobial peptides. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	133
67	The complete mitochondrial genome of the common sea slater, <i>Ligia oceanica</i> (Crustacea, Isopoda) bears a novel gene order and unusual control region features. <i>BMC Genomics</i> , 2006 , 7, 241	4.5	123
66	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, 125-33	2.3	122
65	Phylogenomics and the evolution of hemipteroid insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12775-12780	11.5	121
64	Phylogenomics reveals the evolutionary timing and pattern of butterflies and moths. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22657-22663	11.5	117
63	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, 207-15	3.2	94
62	Orthograph: a versatile tool for mapping coding nucleotide sequences to clusters of orthologous genes. <i>BMC Bioinformatics</i> , 2017 , 18, 111	3.6	89
61	Evolutionary history of Polyneoptera and its implications for our understanding of early winged insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3024-3029	11.5	82
60	Mitochondrial genome and nuclear sequence data support myzostomida as part of the annelid radiation. <i>Molecular Biology and Evolution</i> , 2007 , 24, 1690-701	8.3	81
59	An integrative phylogenomic approach illuminates the evolutionary history of cockroaches and termites (Blattodea). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20182076	4.4	69
58	Phylogenomic analysis of Apoidea sheds new light on the sister group of bees. <i>BMC Evolutionary Biology</i> , 2018 , 18, 71	3	69
57	Cloning and expression of an inhibitor of microbial metalloproteinases from insects contributing to innate immunity. <i>Biochemical Journal</i> , 2004 , 382, 315-22	3.8	58
56	The complete mitochondrial genome of the orbiniid polychaete <i>Orbinia latreillii</i> (Annelida, Orbiniidae)--A novel gene order for Annelida and implications for annelid phylogeny. <i>Gene</i> , 2006 , 370, 96-103	3.8	57

55	Ancient horizontal transfers of retrotransposons between birds and ancestors of human pathogenic nematodes. <i>Nature Communications</i> , 2016 , 7, 11396	17.4	55
54	Evolution of a core gene network for skeletogenesis in chordates. <i>PLoS Genetics</i> , 2008 , 4, e1000025	6	51
53	Transcriptome and target DNA enrichment sequence data provide new insights into the phylogeny of vespid wasps (Hymenoptera: Aculeata: Vespidae). <i>Molecular Phylogenetics and Evolution</i> , 2017 , 116, 213-226	4.1	50
52	BaitFisher: A Software Package for Multispecies Target DNA Enrichment Probe Design. <i>Molecular Biology and Evolution</i> , 2016 , 33, 1875-86	8.3	49
51	Mitochondrial genome sequence and gene order of <i>Sipunculus nudus</i> give additional support for an inclusion of Sipuncula into Annelida. <i>BMC Genomics</i> , 2009 , 10, 27	4.5	49
50	Detection of a P-glycoprotein related pump in <i>Chironomus</i> larvae and its inhibition by verapamil and cyclosporin A. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998 , 121, 443-50	2.3	49
49	On the phylogenetic position of Myzostomida: can 77 genes get it wrong?. <i>BMC Evolutionary Biology</i> , 2009 , 9, 150	3	47
48	Phylogenetic Origin and Diversification of RNAi Pathway Genes in Insects. <i>Genome Biology and Evolution</i> , 2016 , 8, 3784-3793	3.9	45
47	Transcriptome sequence-based phylogeny of chalcidoid wasps (Hymenoptera: Chalcidoidea) reveals a history of rapid radiations, convergence, and evolutionary success. <i>Molecular Phylogenetics and Evolution</i> , 2018 , 120, 286-296	4.1	44
46	The complete mitochondrial genome of the onychophoran <i>Epiperipatus biolleyi</i> reveals a unique transfer RNA set and provides further support for the ecdysozoa hypothesis. <i>Molecular Biology and Evolution</i> , 2008 , 25, 42-51	8.3	44
45	Phylogeny and mitochondrial gene order variation in Lophotrochozoa in the light of new mitogenomic data from Nemertea. <i>BMC Genomics</i> , 2009 , 10, 364	4.5	42
44	The phylogenetic position of Acoela as revealed by the complete mitochondrial genome of <i>Symsagittifera roscoffensis</i> . <i>BMC Evolutionary Biology</i> , 2010 , 10, 309	3	41
43	Provenance and geographic spread of St. Louis encephalitis virus. <i>MBio</i> , 2013 , 4, e00322-13	7.8	40
42	Phylogenetic analyses of endoparasitic Acanthocephala based on mitochondrial genomes suggest secondary loss of sensory organs. <i>Molecular Phylogenetics and Evolution</i> , 2013 , 66, 182-9	4.1	40
41	Antimicrobial activity of exocrine glandular secretion of <i>Chrysomela</i> larvae. <i>Journal of Chemical Ecology</i> , 2002 , 28, 317-31	2.7	38
40	The complete mitochondrial genome of <i>Pseudocellus pearsei</i> (Chelicerata: Ricinulei) and a comparison of mitochondrial gene rearrangements in Arachnida. <i>BMC Genomics</i> , 2007 , 8, 386	4.5	37
39	Platyzoan mitochondrial genomes. <i>Molecular Phylogenetics and Evolution</i> , 2013 , 69, 365-75	4.1	35
38	Organization of the mitochondrial genome of mantis shrimp <i>Pseudosquilla ciliata</i> (Crustacea: Stomatopoda). <i>Marine Biotechnology</i> , 2005 , 7, 618-24	3.4	35

37	The mitochondrial genome of the onychophoran <i>Opisthopatus cinctipes</i> (Peripatopsidae) reflects the ancestral mitochondrial gene arrangement of Panarthropoda and Ecdysozoa. <i>Molecular Phylogenetics and Evolution</i> , 2010 , 57, 285-92	4.1	34
36	The complete mitochondrial genome of the sea spider <i>Nymphon gracile</i> (Arthropoda: Pycnogonida). <i>BMC Genomics</i> , 2006 , 7, 284	4.5	34
35	Multiple rearrangements in mitochondrial genomes of Isopoda and phylogenetic implications. <i>Molecular Phylogenetics and Evolution</i> , 2012 , 64, 106-17	4.1	33
34	Old World and New World Phasmatodea: Phylogenomics Resolve the Evolutionary History of Stick and Leaf Insects. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	31
33	Major rearrangements characterize the mitochondrial genome of the isopod <i>Idotea baltica</i> (Crustacea: Peracarida). <i>Molecular Phylogenetics and Evolution</i> , 2006 , 40, 893-9	4.1	29
32	Phylogenomics of the superfamily Dytiscoidea (Coleoptera: Adephaga) with an evaluation of phylogenetic conflict and systematic error. <i>Molecular Phylogenetics and Evolution</i> , 2019 , 135, 270-285	4.1	28
31	Erosion of phylogenetic signal in tunicate mitochondrial genomes on different levels of analysis. <i>Molecular Phylogenetics and Evolution</i> , 2010 , 55, 860-70	4.1	28
30	The mitochondrial genomes of <i>Campodea fragilis</i> and <i>Campodea lubbocki</i> (Hexapoda: Diplura): High genetic divergence in a morphologically uniform taxon. <i>Gene</i> , 2006 , 381, 49-61	3.8	28
29	Phylogenomic analysis sheds light on the evolutionary pathways towards acoustic communication in Orthoptera. <i>Nature Communications</i> , 2020 , 11, 4939	17.4	25
28	The complete mitochondrial genome of <i>Scutigera causeyae</i> (Myriapoda: Symphyla) and the phylogenetic position of Symphyla. <i>Molecular Phylogenetics and Evolution</i> , 2007 , 45, 251-60	4.1	24
27	The complete mitochondrial genome of <i>Atelura formicaria</i> (Hexapoda: Zygentoma) and the phylogenetic relationships of basal insects. <i>Gene</i> , 2009 , 439, 25-34	3.8	23
26	The mitochondrial genome of the bristletail <i>Petrobius brevistylis</i> (Archaeognatha: Machilidae). <i>Insect Molecular Biology</i> , 2006 , 15, 253-8	3.4	21
25	Quinones in cockchafers: additional function of a sex attractant as an antimicrobial agent. <i>Chemoecology</i> , 2001 , 11, 225-229	2	21
24	New data, same story: phylogenomics does not support Syrphoidea (Diptera: Syrphidae, Pipunculidae). <i>Systematic Entomology</i> , 2018 , 43, 447-459	3.4	20
23	Extensive duplication events account for multiple control regions and pseudo-genes in the mitochondrial genome of the velvet worm <i>Metaperipatus inae</i> (Onychophora, Peripatopsidae). <i>Molecular Phylogenetics and Evolution</i> , 2010 , 57, 293-300	4.1	20
22	An integrative phylogenomic approach to elucidate the evolutionary history and divergence times of Neuropterida (Insecta: Holometabola). <i>BMC Evolutionary Biology</i> , 2020 , 20, 64	3	18
21	Unravelling the <i>Lineus ruber/viridis</i> species complex (Nemertea, Heteronemertea). <i>Zoologica Scripta</i> , 2017 , 46, 111-126	2.5	16
20	Phylogenomics of Auchenorrhyncha (Insecta: Hemiptera) using transcriptomes: examining controversial relationships via degeneracy coding and interrogation of gene conflict. <i>Systematic Entomology</i> , 2020 , 45, 85-113	3.4	16

19	The Australian fresh water isopod (Phreatoicidea: Isopoda) allows insights into the early mitogenomic evolution of isopods. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2010 , 5, 36-44	2	15
18	The mitochondrial genome of the Japanese skeleton shrimp <i>Caprella mutica</i> (Amphipoda: Caprellidea) reveals a unique gene order and shared apomorphic translocations with Gammaridea. <i>Mitochondrial DNA</i> , 2010 , 21, 77-86		15
17	The first complete mitochondrial genome sequences of Amblypygi (Chelicerata: Arachnida) reveal conservation of the ancestral arthropod gene order. <i>Genome</i> , 2009 , 52, 456-66	2.4	13
16	A comparison of the mitochondrial genomes from two families of Solifugae (Arthropoda: Chelicerata): Eremobatidae and Ammotrechidae. <i>Gene</i> , 2008 , 417, 35-42	3.8	13
15	Phylogenomic relationships of bioluminescent elateroids define the Lampyroid clade with clicking Sinopyrophoridae as its earliest member. <i>Systematic Entomology</i> , 2021 , 46, 111-123	3.4	13
14	Four myriapod relatives - but who are sisters? No end to debates on relationships among the four major myriapod subgroups. <i>BMC Evolutionary Biology</i> , 2020 , 20, 144	3	10
13	Transcriptomic data from panarthropods shed new light on the evolution of insulator binding proteins in insects : Insect insulator proteins. <i>BMC Genomics</i> , 2016 , 17, 861	4.5	10
12	Sawfly Genomes Reveal Evolutionary Acquisitions That Fostered the Mega-Radiation of Parasitoid and Eusocial Hymenoptera. <i>Genome Biology and Evolution</i> , 2020 , 12, 1099-1188	3.9	7
11	Brochosomins and other novel proteins from brochosomes of leafhoppers (Insecta, Hemiptera, Cicadellidae). <i>Insect Biochemistry and Molecular Biology</i> , 2018 , 94, 10-17	4.5	5
10	Beyond Drosophila: resolving the rapid radiation of schizophoran flies with phylotranscriptomics. <i>BMC Biology</i> , 2021 , 19, 23	7.3	4
9	Revising the phylogenetic position of the extinct Mascarene Parrot <i>Mascarinus mascarin</i> (Linnaeus 1771) (Aves: Psittaciformes: Psittacidae). <i>Molecular Phylogenetics and Evolution</i> , 2017 , 107, 499-502	4.1	3
8	On the systematic position of the Black-collared Lovebird <i>Agapornis swindernianus</i> (Agapornithinae, Psittaciformes). <i>Journal of Ornithology</i> , 2014 , 155, 581-589	1.5	3
7	Evolutionary history and divergence times of Odonata (dragonflies and damselflies) revealed through transcriptomics. <i>IScience</i> , 2021 , 24, 103324	6.1	3
6	Are fleas highly modified Mecoptera? Phylogenomic resolution of Antliophora (Insecta: Holometabola)		3
5	Distinct 3-disulfide-bonded isomers of tridegin differentially inhibit coagulation factor XIIIa: The influence of structural stability on bioactivity. <i>European Journal of Medicinal Chemistry</i> , 2020 , 201, 112474	6.8	2
4	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,	1.8	2
3	The mitochondrial genome of <i>Opilio parietinus</i> (Arachnida: Opiliones). <i>Mitochondrial DNA</i> , 2010 , 21, 149-50		1
2	Phylogeny of the Aphids 2016 , 1-13		1

- 1 Genetic diversity of the Ankober Serin (*Crithagra ankoberensis*) at Simien Mountains National Park and Guassa Community Conservation Area, Ethiopia. *African Zoology*, **2021**, 56, 273-278 1.1