James B Whitfield

List of Publications by Year
in descending order

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75 papers	5,203 citations	147801 31 h-index	106344 65 g-index
76 all docs	76 docs citations	76 times ranked	5708 citing authors

#	Article	IF	Citations
1	Functional and Evolutionary Insights from the Genomes of Three Parasitoid Nasonia Species. Science, 2010, 327, 343-348.	12.6	808
2	Extreme diversity of tropical parasitoid wasps exposed by iterative integration of natural history, DNA barcoding, morphology, and collections. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12359-12364.	7.1	504
3	A minimalist barcode can identify a specimen whose DNA is degraded. Molecular Ecology Notes, 2006, 6, 959-964.	1.7	466
4	Deciphering ancient rapid radiations. Trends in Ecology and Evolution, 2007, 22, 258-265.	8.7	404
5	Integration of DNA barcoding into an ongoing inventory of complex tropical biodiversity. Molecular Ecology Resources, 2009, 9, 1-26.	4.8	305
6	Ancient Rapid Radiations of Insects: Challenges for Phylogenetic Analysis. Annual Review of Entomology, 2008, 53, 449-472.	11.8	197
7	Networks: expanding evolutionary thinking. Trends in Genetics, 2013, 29, 439-441.	6.7	176
8	Estimating the age of the polydnavirus/braconid wasp symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7508-7513.	7.1	152
9	Wolbachia and DNA Barcoding Insects: Patterns, Potential, and Problems. PLoS ONE, 2012, 7, e36514.	2.5	148
10	Phylogeny of the parasitic microgastroid subfamilies (Hymenoptera: Braconidae) based on sequence data from seven genes, with an improved time estimate of the origin of the lineage. Molecular Phylogenetics and Evolution, 2008, 47, 378-395.	2.7	145
11	Phylogenetic Signal in the COI, 16S, and 28S Genes for Inferring Relationships among Genera of Microgastrinae (Hymenoptera; Braconidae): Evidence of a High Diversification Rate in This Group of Parasitoids. Molecular Phylogenetics and Evolution, 1999, 12, 282-294.	2.7	131
12	Virus or not? Phylogenetics of polydnaviruses and their wasp carriers. Journal of Insect Physiology, 2003, 49, 397-405.	2.0	109
13	Extrapolations from field studies and known faunas converge on dramatically increased estimates of global microgastrine parasitoid wasp species richness (Hymenoptera: Braconidae). Insect Conservation and Diversity, 2013, 6, 530-536.	3.0	107
14	DiscoVista: Interpretable visualizations of gene tree discordance. Molecular Phylogenetics and Evolution, 2018, 122, 110-115.	2.7	106
15	Review of Apanteles sensu stricto (Hymenoptera, Braconidae, Microgastrinae) from Area de ConservaciÃ³n Guanacaste, northwestern Costa Rica, with keys to all described species from Mesoamerica. ZooKeys, 2014, 383, 1-565.	1.1	102
16	Genomic and Morphological Features of a Banchine Polydnavirus: Comparison with Bracoviruses and Ichnoviruses. Journal of Virology, 2007, 81, 6491-6501.	3.4	89
17	Molecular and Morphological Data Suggest a Single Origin of the Polydnaviruses among Braconid Wasps. Die Naturwissenschaften, 1997, 84, 502-507.	1.6	87
18	Widespread Genome Reorganization of an Obligate Virus Mutualist. PLoS Genetics, 2014, 10, e1004660.	3.5	83

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19	Fragmentary Gene Sequences Negatively Impact Gene Tree and Species Tree Reconstruction. Molecular Biology and Evolution, 2017, 34, 3279-3291.	8.9	73
20	Dissecting the ancient rapid radiation of microgastrine wasp genera using additional nuclear genes. Molecular Phylogenetics and Evolution, 2006, 41, 690-703.	2.7	64
21	Preliminary evolutionary relationships within the parasitoid wasp genus Cotesia (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 1C 371-382.	3.9	62
22	Systematics, Biology, and Evolution of Microgastrine Parasitoid Wasps. Annual Review of Entomology, 2018, 63, 389-406.	11.8	59
23	Phylogenetic relationships among microgastrine braconid wasp genera based on data from the 16S, COI and 28S genes and morphology. Systematic Entomology, 2002, 27, 337-359.	3.9	54
24	Phylogenetic Insights into the Evolution of Parasitism in Hymenoptera. Advances in Parasitology, 2003, 54, 69-100.	3.2	51
25	Strepsiptera, Phylogenomics and the Long Branch Attraction Problem. PLoS ONE, 2014, 9, e107709.	2.5	51
26	Parasitism rate, parasitoid community composition and host specificity on exposed and semi-concealed caterpillars from a tropical rainforest. Oecologia, 2013, 173, 521-532.	2.0	50
27	The polyphyletic origin of endoparasitism in the cyclostome lineages of Braconidae (Hymenoptera). Systematic Entomology, 1992, 17, 273-286.	3.9	48
28	Utility of the DNA barcoding gene fragment for parasitic wasp phylogeny (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (Resources, 2012, 12, 676-685.	4.8	46
29	Experimental Support for Multiple-Locus Complementary Sex Determination in the Parasitoid Cotesia vestalis. Genetics, 2008, 180, 1525-1535.	2.9	44
30	Genetic evidence for three species of rockhopper penguins, Eudyptes chrysocome. Polar Biology, 2006, 30, 61-67.	1.2	41
31	Identity and Phylogenetic Significance of the Metapostnotum in Nonaculeate Hymenoptera. Annals of the Entomological Society of America, 1989, 82, 663-673.	2.5	35
32	Annotated key to the genera of Braconidae (Hymenoptera) attacking leafmining Lepidoptera in the Holarctic Region. Journal of Natural History, 1991, 25, 733-754.	0.5	32
33	Phylogenomics of Ichneumonoidea (Hymenoptera) and implications for evolution of mode of parasitism and viral endogenization. Molecular Phylogenetics and Evolution, 2021, 156, 107023.	2.7	30
34	Chromosomal scale assembly of parasitic wasp genome reveals symbiotic virus colonization. Communications Biology, 2021, 4, 104.	4.4	27
35	Making Nice with Viruses. Science, 2009, 323, 884-885.	12.6	26
36	Reared Microgastrine Wasps (Hymenoptera: Braconidae) from Yanayacu Biological Station and Environs (Napo Province, Ecuador): Diversity and Host Specialization. Journal of Insect Science, 2009, 9, 1-22.	1.5	26

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37	Filtered Z-Closure Supernetworks for Extracting and Visualizing Recurrent Signal from Incongruent Gene Trees. Systematic Biology, 2008, 57, 939-947.	5.6	24
38	Patterns in Host Ranges Within the Nearctic Species of the Parasitoid Genus Pholetesor Mason (Hymenoptera: Braconidae). Environmental Entomology, 1988, 17, 608-615.	1.4	20
39	Revision of the Nearctic species of the genus Pholetesor Mason (Hymenoptera: Braconidae). Zootaxa, 2006, 1144, 1.	0.5	20
40	A species-level taxonomic review and host associations of Glyptapanteles (Hymenoptera, Braconidae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2019, 890, 1-685.	1.1	18
41	Review of the <I>Apanteles</I> Species (Hymenoptera: Braconidae) Attacking Lepidoptera in <I>Bombus</I> (<I>Fervidobombus</I>) (Hymenoptera: Apidae) Colonies in the New World, with Description of a New Species from South America. Annals of the Entomological Society of America, 2001, 94, 851-857.	2.5	17
42	Museum Policies Concerning Specimen Loans for Molecular Systematic Research. Molecular Phylogenetics and Evolution, 1994, 3, 268-270.	2.7	15
43	Analytical Survey of the Braconid Wasp Fauna (Hymenoptera: Braconidae) on Six Midwestern U.S. Tallgrass Prairies. Annals of the Entomological Society of America, 2001, 94, 230-238.	2.5	14
44	Revision of the Nearctic species of the genus Stiropius Cameron (=Bucculatriplex Auct.) with the description of a new related genus (Hymenoptera: Braconidae). Systematic Entomology, 1988, 13, 373-385.	3.9	12
45	Natural History ofEryphanis greeneyi(Lepidoptera: Nymphalidae) and Its Enemies, with a Description of a New Species of Braconid Parasitoid and Notes on Its Tachinid Parasitoid. Annals of the Entomological Society of America, 2011, 104, 1078-1090.	2.5	10
46	Review of Parasitoid Wasps and Flies (Hymenoptera, Diptera) Associated with Limacodidae (Lepidoptera) in North America, with a Key to Genera. Proceedings of the Entomological Society of Washington, 2012, 114, 24-110.	0.2	10
47	Competition and brood reduction: testing alternative models of clutch-size evolution in parasitoids. Behavioral Ecology, 2009, 20, 403-409.	2.2	9
48	Parasitoids Attacking Larvae of a Recently Introduced Weed Biological Control Agent, Neomusotima conspurcatalis (Lepidoptera: Crambidae): Key to Species, Natural History, and Integrative Taxonomy. Annals of the Entomological Society of America, 2012, 105, 753-767.	2.5	9
49	Importance of interaction rewiring in determining spatial and temporal turnover of tritrophic (Piperâ€caterpillarâ€parasitoid) metanetworks in the YucatÃ¡n PenÃnsula, MÃ©xico. Biotropica, 2021, 53, 1071-1081.	1.6	9
50	Evidence for an ichnovirus machinery in parasitoids of coleopteran larvae. Virus Research, 2019, 263, 189-206.	2.2	8
51	Clarification of the taxonomic status of the genera Cantharoctonus Viereck, Noserus Foerster and Pseudavga Tobias (Hymenoptera: Braconidae). Systematic Entomology, 1987, 12, 509-518.	3.9	7
52	Fast-Evolving Homoplastic Traits Are Best for Species Identification in a Group of Neotropical Wasps. PLoS ONE, 2013, 8, e74837.	2.5	7
53	Andesipolis, a puzzling new genus of cyclostome Braconidae (Hymenoptera) from the Chilean Andes, with descriptions of three new species. Zootaxa, 2004, 438, 1.	0.5	6
54	Review of the Neotropical genus Prasmodon (Hymenoptera, Braconidae, Microgastrinae), with emphasis on species from Área de ConservaciÃ³n Guanacaste, northwestern Costa Rica. Journal of Hymenoptera Research, 2014, 37, 1-52.	0.8	6

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55	Revision of the neotropical genus Sendaphne Nixon (Hymenoptera, Braconidae, Microgastrinae). Journal of Hymenoptera Research, 2014, 41, 1-29.	0.8	6
56	Many evolutionary roads led to virus domestication in ichneumonoid parasitoid wasps. Current Opinion in Insect Science, 2022, 50, 100861.	4.4	6
57	Review of the New World Genus Venanus (Hymenoptera: Braconidae: Microgastrinae), With a New Key and Descriptions of Three New Reared Neotropical Species. Annals of the Entomological Society of America, 2011, 104, 1119-1127.	2.5	5
58	Insect Systematics as a Central Discipline of Entomology. Insect Systematics and Diversity, 2017, 1, 1-2.	1.7	5
59	Orientocardiochiles, a new genus of Cardiochilinae (Hymenoptera, Braconidae), with descriptions of two new species from Malaysia and Vietnam. ZooKeys, 2020, 971, 1-15.	1.1	4
60	Two new reared species of Heteropteron BrullÃ© (Hymenoptera, Braconidae, Cardiochilinae) from northwest Costa Rica, with the first definitive host records for the genus. Journal of Hymenoptera Research, 0, 77, 151-165.	0.8	3
61	First record of miracine parasitoid wasps (Hymenoptera: Braconidae) from Australia: molecular phylogenetics and morphology reveal multiple new species. Austral Entomology, 2022, 61, 49-67.	1.4	3
62	Phylogenetic Networks: Concepts, Algorithms and Applications. Systematic Biology, 2012, 61, 176-177.	5.6	2
63	A New Species ofApantelesFoerster (Hymenoptera: Braconidae) Parasitic of Two Blackberry Leafrollers (Lepidoptera: Tortricidae) in Mexico. Journal of the Kansas Entomological Society, 2015, 88, 10-15.	0.2	2
64	Shift in temporal and spatial expression of Hox gene explains color mimicry in bees. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 201906978.	7.1	2
65	Cotesia cassina sp. nov. from southwestern Colombia: a new gregarious microgastrine wasp (Hymenoptera, Braconidae) reared from the pest species Opsiphanes cassina Felder & Felder (Lepidoptera, Nymphalidae) feeding on Elaeis oil palm trees (Arecaceae). ZooKeys, 2021, 1061, 11-22.	1.1	2
66	Subfamily Microgastrinae Foerster, 1863. , 2022, , 386-444.		2
67	The Braconid and Ichneumonid Parasitoid Wasps: Biology, Systematics, Evolution and Ecology. American Entomologist, 2016, 62, 131-132.	0.2	1
68	Resurrection of Neocardiochiles SzÃ©pligeti, 1908 (Hymenoptera, Braconidae, Cardiochilinae) with descriptions of five new species from the Neotropical region. Journal of Hymenoptera Research, 0, 91, 41-68.	0.8	1
69	Latin American Insects and Entomology. Annals of the Entomological Society of America, 1996, 89, 153-154.	2.5	0
70	Fundamentals of Entomology. American Entomologist, 1998, 44, 52-53.	0.2	0
71	Molecular Evolution: A Phylogenetic Approach.â€"Roderic D. M. Page and Edward C. Holmes.. Systematic Biology, 2002, 51, 536-538.	5.6	0
72	A taxonomic revision of the Colombian species of Urosigalphus Ashmead (Hymenoptera: Braconidae). Zootaxa, 2012, 3411, 1.	0.5	0

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73	Introduction to Phylogenetic Networks.â€”David A. Morrison.. Systematic Biology, 2013, 62, 177-178.	5.6	0
74	A new genus of Cedriini (Hymenoptera: Braconidae, Hormiinae) from the Brazilian cerrado. Zootaxa, 2021, 5047, 489-494.	0.5	0
75	Aximopsis gabrielaesp. nov.: a gregarious parasitoid (Hymenoptera: Eurytomidae) of the skipperQuadrus cerialis(Lepidoptera: Hesperiidae) feeding onPiper amalagoin southern Mexico. Journal of Natural History, 2022, 56, 173-189.	0.5	0