

# Keith R Willmott

## List of Publications by Year in descending order

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77  
papers

2,535  
citations

236612

25  
h-index

223531

46  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2280  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive and Dated Phylogenomic Analysis of Butterflies. <i>Current Biology</i> , 2018, 28, 770-778.e5.	1.8	249
2	Limited performance of DNA barcoding in a diverse community of tropical butterflies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2881-2889.	1.2	233
3	Taxonomy: renaissance or Tower of Babel?. <i>Trends in Ecology and Evolution</i> , 2003, 18, 57-59.	4.2	192
4	Mutualistic Interactions Drive Ecological Niche Convergence in a Diverse Butterfly Community. <i>PLoS Biology</i> , 2008, 6, e300.	2.6	130
5	Testing historical explanations for gradients in species richness in heliconiine butterflies of tropical America. <i>Biological Journal of the Linnean Society</i> , 2012, 105, 479-497.	0.7	85
6	Higher-level phylogeny of the Ithomiinae (Lepidoptera: Nymphalidae): classification, patterns of larval hostplant colonization and diversification. <i>Cladistics</i> , 2006, 22, 297-368.	1.5	84
7	Rapid diversification associated with ecological specialization in Neotropical <i>Adelpha</i> butterflies. <i>Molecular Ecology</i> , 2015, 24, 2392-2405.	2.0	73
8	Correlations between adult mimicry and larval host plants in ithomiine butterflies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S266-9.	1.2	71
9	THE PHYLOGENETIC PATTERN OF SPECIATION AND WING PATTERN CHANGE IN NEOTROPICAL ITHOMIIN BUTTERFLIES (LEPIDOPTERA: NYMPHALIDAE). <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 1454-1466.	1.1	64
10	Strikingly variable divergence times inferred across an Amazonian butterfly "suture zone"™. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 2525-2533.	1.2	63
11	Maintaining mimicry diversity: optimal warning colour patterns differ among microhabitats in Amazonian clearwing butterflies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170744.	1.2	60
12	Rapid diversification and not clade age explains high diversity in neotropical <i>Adelpha</i> butterflies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1777-1785.	1.2	59
13	Systematics and evolutionary history of butterflies in the "Taygetis clade" (Nymphalidae: Satyrinae: <i>Tytophys</i> / <i>Tytophys</i> and <i>Tytophys</i> ). <i>Journal of Biogeography</i> , 2013, 40, 54-68.	1.2	59
14	Patterns of feeding behaviour in adult male riodinid butterflies and their relationship to morphology and ecology. <i>Biological Journal of the Linnean Society</i> , 2000, 69, 1-23.	0.7	54
15	Systematics of <i>Hypanartia</i> (Lepidoptera: Nymphalidae: Nymphalinae), with a test for geographical speciation mechanisms in the Andes. <i>Systematic Entomology</i> , 2001, 26, 369-399.	1.7	54
16	Molecular systematics of the butterfly genus <i>Ithomia</i> (Lepidoptera: Ithomiinae): a composite phylogenetic hypothesis based on seven genes. <i>Molecular Phylogenetics and Evolution</i> , 2005, 34, 625-644.	1.2	54
17	Diversification of clearwing butterflies with the rise of the Andes. <i>Journal of Biogeography</i> , 2016, 43, 44-58.	1.4	54
18	Mutualistic Mimicry and Filtering by Altitude Shape the Structure of Andean Butterfly Communities. <i>American Naturalist</i> , 2014, 183, 26-39.	1.0	52

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19	Into the Andes: multiple independent colonizations drive montane diversity in the Neotropical clearwing butterflies Godyridina. <i>Molecular Ecology</i> , 2016, 25, 5765-5784.	2.0	52
20	North Andean origin and diversification of the largest ithomiine butterfly genus. <i>Scientific Reports</i> , 2017, 7, 45966.	1.6	48
21	Phylogenetic relationships among the Ithomiini (Lepidoptera: Nymphalidae) inferred from one mitochondrial and two nuclear gene regions. <i>Systematic Entomology</i> , 2006, 31, 288-301.	1.7	44
22	Microclimate Variability Significantly Affects the Composition, Abundance and Phenology of Butterfly Communities in a Highly Threatened Neotropical Dry Forest. <i>Florida Entomologist</i> , 2014, 97, 1-13.	0.2	39
23	Cladistic analysis of the Neotropical butterfly genus <i>Adelpha</i> (Lepidoptera: Nymphalidae), with comments on the subtribal classification of Limenitidini. <i>Systematic Entomology</i> , 2003, 28, 279-322.	1.7	36
24	Four hundred shades of brown: Higher level phylogeny of the problematic Euptychiina (Lepidoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2019, 131, 116-124.	1.2	36
25	Renewed diversification following Miocene landscape turnover in a Neotropical butterfly radiation. <i>Global Ecology and Biogeography</i> , 2019, 28, 1118-1132.	2.7	35
26	Frequency dependence shapes the adaptive landscape of imperfect Batesian mimicry. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172786.	1.2	30
27	Contrasting patterns of Andean diversification among three diverse clades of Neotropical clearwing butterflies. <i>Ecology and Evolution</i> , 2018, 8, 3965-3982.	0.8	29
28	Heterogeneity in predator micro-habitat use and the maintenance of Müllerian mimetic diversity. <i>Journal of Theoretical Biology</i> , 2011, 281, 39-46.	0.8	26
29	Molecular phylogenetics of the neotropical butterfly subtribe Oleriina (Nymphalidae: Danainae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 2014, 12, 244-254.	1.2	24
30	Incompatible Ages for Clearwing Butterflies Based on Alternative Secondary Calibrations. <i>Systematic Biology</i> , 2015, 64, 752-767.	2.7	23
31	Hard to catch: experimental evidence supports evasive mimicry. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203052.	1.2	22
32	Phylogenetic Utility of <i>Tektin</i> , a Novel Region for Inferring Systematic Relationships Among Lepidoptera. <i>Annals of the Entomological Society of America</i> , 2005, 98, 873-886.	1.3	20
33	Molecular systematics of the butterfly tribe Preponini (Nymphalidae: Charaxinae). <i>Systematic Entomology</i> , 2013, 38, 440-449.	1.7	20
34	Phylogenetic relationships of ithomiine butterflies (Lepidoptera: Nymphalidae: Danainae) as implied by combined morphological and molecular data. <i>Systematics and Biodiversity</i> , 2014, 12, 133-147.	0.5	18
35	Anthropogenic pressures coincide with Neotropical biodiversity hotspots in a flagship butterfly group. <i>Diversity and Distributions</i> , 2022, 28, 2912-2930.	1.9	18
36	THE PHYLOGENETIC PATTERN OF SPECIATION AND WING PATTERN CHANGE IN NEOTROPICAL ITHOMIA BUTTERFLIES (LEPIDOPTERA: NYMPHALIDAE). <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 1454.	1.1	17

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37	Ecologically relevant cryptic species in the highly polymorphic Amazonian butterfly <i>Mechanitis mazaesus</i> f.s.l. (Lepidoptera: Nymphalidae; Ithomiini). <i>Biological Journal of the Linnean Society</i> , 2012, 106, 540-560.	0.7	17
38	PYRROLIZIDINE ALKALOIDS AND PHARMACOPHAGOUS LEPIDOPTERA VISITORS OF <i>PRESTONIA AMABILIS</i> (APOCYNACEAE) IN A MONTANE RAINFOREST IN ECUADOR. <i>Annals of the Missouri Botanical Garden</i> , 2007, 94, 463-473.	1.3	15
39	Remarkable sexual dimorphism, rarity and cryptic species: a revision of the "aegrota species group" of the Neotropical butterfly genus <i>Caeruleptychia</i> with the description of three new species (Lepidoptera, Nymphalidae, Satyrinae). <i>Insect Systematics and Evolution</i> , 2018, 49, 130-182.	0.2	15
40	Cryptic speciation associated with geographic and ecological divergence in two Amazonian <i>Heliconius</i> butterflies. <i>Zoological Journal of the Linnean Society</i> , 2019, 186, 233-249.	1.0	15
41	A Review of <i>Colobura</i> (Lepidoptera: Nymphalidae) with Comments on Larval and Adult Ecology and Description of a Sibling Species. <i>Annals of the Entomological Society of America</i> , 2001, 94, 185-196.	1.3	14
42	Divergent melanism strategies in Andean butterfly communities structure diversity patterns and climate responses. <i>Journal of Biogeography</i> , 2018, 45, 2471-2482.	1.4	14
43	A phylogenetic reassessment of <i>Hyalenna</i> Forbes and <i>Dircenna</i> Doubleday, with a revision of <i>Hyalenna</i> (Lepidoptera: Nymphalidae: Ithomiinae). <i>Systematic Entomology</i> , 2006, 31, 419-468.	1.7	13
44	Latitudinal gradient and spatial covariance in species richness of tropical Lepidoptera in the Andes. <i>Insect Conservation and Diversity</i> , 2014, 7, 355-364.	1.4	13
45	Before it is too late: description of a new genus and species of butterfly from a highly threatened Brazilian biome. <i>Revista Brasileira De Entomologia</i> , 2018, 62, 148-158.	0.1	12
46	Phylogenetic community ecology needs to take positive interactions into account. <i>Communicative and Integrative Biology</i> , 2009, 2, 113-116.	0.6	11
47	Two Possible Caterpillar Mimicry Complexes in Neotropical Danaine Butterflies (Lepidoptera: Nymphalidae: Danainae). <i>Journal of Biogeography</i> , 2019, 46, 1000-1011.	1.8	11
48	<i>Graphita</i> gen. nov., a New Genus for <i>Neonympha griphe</i> C. Felder & R. Felder, 1867 (Lepidoptera, Nymphalidae). <i>Journal of Biogeography</i> , 2019, 46, 1012-1021.	0.5	11
49	"Species" from two different butterfly genera combined into one: description of a new genus of Euptychiina (Nymphalidae: Satyrinae) with unusually variable wing pattern. <i>Revista Brasileira De Entomologia</i> , 2016, 60, 157-165.	0.1	11
50	Patterns of Species, Phylogenetic and Mimicry Diversity of Clearwing Butterflies in the Neotropics. <i>Topics in Biodiversity and Conservation</i> , 2016, , 333-354.	0.3	11
51	Combining sampling techniques aids monitoring of tropical butterflies. <i>Insect Conservation and Diversity</i> , 2019, 12, 362-372.	1.4	11
52	A revision of the new genus <i>Amiga</i> Nakahara, Willmott & Espeland, gen. n., described for <i>Papilio arnaca</i> Fabricius, 1776 (Lepidoptera, Nymphalidae, Satyrinae). <i>ZooKeys</i> , 2019, 821, 85-152.	0.5	11
53	Two New Species of <i>Taygetina</i> With a Possible Case of "Juxta Loss" in Butterflies (Lepidoptera: Nymphalidae: Taygetinae). <i>Journal of Biogeography</i> , 2019, 46, 1022-1031.	0.7	11
54	DNA barcodes uncover hidden taxonomic diversity behind the variable wing patterns in the Neotropical butterfly genus <i>Zaretis</i> (Lepidoptera: Nymphalidae: Charaxinae). <i>Zoological Journal of the Linnean Society</i> , 2019, 185, 132-192.	1.0	7

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55	Description of a new genus and species for a common and widespread Amazonian satyrine butterfly (Lepidoptera: Nymphalidae: Satyrinae: Satyrini). PeerJ, 2020, 8, e10324.	0.9	7
56	Taxonomic notes on <i>Papilio ocypete</i> Fabricius, 1776 and <i>Papilio helle</i> Cramer, 1779 with description of two new similar species from South America (Lepidoptera: Nymphalidae: Satyrinae). Zootaxa, 2018, 4425, 115-145.	0.2	6
57	Systematics of the Neotropical butterfly genus <i>Paryphthimoides</i> Forster, 1964 (Lepidoptera: Nymphalidae: Satyrinae). Zootaxa, 2018, 4425, 52, 42-96.	0.2	6
58	Mitochondrial DNA provides an insight into the mechanisms driving diversification in the ithomiine butterfly <i>Hyposcada anchiala</i> (Lepidoptera: Nymphalidae: Ithomiinae). European Journal of Entomology, 2005, 102, 633-639.	1.2	6
59	Five new <i>Penaincisalia</i> species (Lepidoptera: Lycaenidae: Eumaeini) from the Andes of southern Ecuador and northern Peru. Zootaxa, 2005, 797, .	0.2	5
60	A New Species Of <i>Actinote hã¼bner</i> from the Eastern Andes of Ecuador (Lepidoptera: Nymphalidae: Satyrinae). Zootaxa, 2018, 4425, 115-145.	0.9	4
61	Description of a new species of <i>Euptychia hã¼bner</i> , 1818 (Lepidoptera: Nymphalidae: Satyrinae) from the western Andes. Zootaxa, 2016, 4184, 358.	0.2	4
62	Using Molecules and Morphology to Unravel the Systematics of Neotropical Preponine Butterflies (Lepidoptera: Charaxinae: Preponini). Insect Systematics and Diversity, 2017, 1, 48-56.	0.7	4
63	Redescription of <i>Yphthimoides patricia</i> (Hayward, 1957), with taxonomic notes on the names <i>Euptychia saltuensis</i> Hayward, 1962 and <i>Yphthimoides manasses</i> (C. Felder & R. Felder, 1867) (Nymphalidae: Satyrinae). Zootaxa, 2018, 4425, 115-145.	0.9	4
64	Fifty years without a name: a new species of <i>Splendeuptychia</i> Forster (Lepidoptera: Nymphalidae: Satyrinae). Zootaxa, 2018, 4425, 115-145.	0.2	4
65	A Revision of <i>Pachacutia</i> , a New Genus of Rare Andean Ithomiine Butterflies (Nymphalidae: Satyrinae). Zootaxa, 2007, 100, 449-469.	1.3	3
66	Cytochrome oxidase subunit I barcode species delineation methods imply critically underestimated diversity in "common" <i>Hermeuptychia</i> butterflies (Lepidoptera: Nymphalidae: Satyrinae). Zootaxa, 2018, 4425, 115-145.	0.0	3
67	Ithomiini Butterflies (Lepidoptera: Nymphalidae) of Antioquia, Colombia. Neotropical Entomology, 2013, 42, 146-157.	0.5	2
68	Description of <i>Emeryus zacca</i> , Mielke & Casagrande gen. nov. (Lepidoptera: Nymphalidae) to accommodate three species formerly placed in <i>Paryphthimoides</i> Forster, 1964. Austral Entomology, 2020, 59, 505-523.	0.8	2
69	A new euptychiine butterfly species from south Brazil and taxonomic rearrangements for <i>Taydebis freitas</i> , 2013 and <i>Hermeuptychia</i> Forster, 1964 (Lepidoptera: Nymphalidae: Satyrinae). Zootaxa, 2021, 5023, 555-570.	0.2	2
70	Patterns of feeding behaviour in adult male riordinid butterflies and their relationship to morphology and ecology. Biological Journal of the Linnean Society, 2000, 69, 1-23.	0.7	2
71	Urban areas as refuges for endemic fauna: description of the immature stages of <i>Catasticta flisa duna</i> (Eitschberger & T. Racheli, 1998) (Lepidoptera: Pieridae) and its ecological interactions. Neotropical Biodiversity, 2020, 6, 109-116.	0.2	2
72	Systematic Revision of a New Butterfly Genus, <i>Cisandina</i> Nakahara & Espeland, n. gen., with Descriptions of Three New Taxa (Lepidoptera: Nymphalidae: Satyrinae). Insect Systematics and Diversity, 2022, 6, .	0.7	2

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73	A NEW SPECIES OF TITHOREA (LEPIDOPTERA: NYMPHALIDAE: ITHOMIINAE) FROM THE CHOCÁ“ REGION OF NORTHWESTERN SOUTH AMERICA AND PANAMA. <i>Journal of the New York Entomological Society</i> , 2004, 112, 1-17.	0.6	1
74	Contribution Towards Resolving the Systematics of the High-Altitude Tropical Andean Satyrine Genus <i>Altopedaliodes</i> Forster, 1964 (Lepidoptera, Nymphalinae: Satyrinae). <i>Neotropical Entomology</i> , 2021, 50, 767-803.	0.5	1
75	A taxonomic revision of the genus <i>Daedalma</i> Hewitson with the descriptions of twenty new taxa and the immature stages of two species (Lepidoptera: Nymphalidae: Satyrinae). <i>Zootaxa</i> , 2011, 2898, .	0.2	1
76	Implementing a novel approach to long-term monitoring of butterfly communities in the Neotropics. <i>Insect Conservation and Diversity</i> , 2022, 15, 416-428.	1.4	1
77	Solving the cryptic diversity of the genus <i>Manerebia</i> Staudinger in northern Peru: description of new species and considerations on the biogeographical role of the Huancabamba Deflection (Nymphalidae:). <a href="https://doi.org/10.27843/10.2784314orgBT/O">Tj ETQq1 10.2784314orgBT/O</a>	0.2	1