

Gerard Talavera

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

6,444
citations

279798
23
h-index

330143
37
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all docs

44
docs citations

44
times ranked

10666
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of Phylogenies after Removing Divergent and Ambiguously Aligned Blocks from Protein Sequence Alignments. <i>Systematic Biology</i> , 2007, 56, 564-577.	5.6	4,438
2	Factors affecting species delimitations with the <scp>GMYC</scp> model: insights from a butterfly survey. <i>Methods in Ecology and Evolution</i> , 2013, 4, 1101-1110.	5.2	271
3	A Comprehensive and Dated Phylogenomic Analysis of Butterflies. <i>Current Biology</i> , 2018, 28, 770-778.e5.	3.9	249
4	Unexpected layers of cryptic diversity in wood white Leptidea butterflies. <i>Nature Communications</i> , 2011, 2, 324.	12.8	131
5	DNA barcode reference library for Iberian butterflies enables a continental-scale preview of potential cryptic diversity. <i>Scientific Reports</i> , 2015, 5, 12395.	3.3	110
6	The K tree score: quantification of differences in the relative branch length and topology of phylogenetic trees. <i>Bioinformatics</i> , 2007, 23, 2954-2956.	4.1	93
7	What is the phylogenetic signal limit from mitogenomes? The reconciliation between mitochondrial and nuclear data in the Insecta class phylogeny. <i>BMC Evolutionary Biology</i> , 2011, 11, 315.	3.2	87
8	Establishing criteria for higher-level classification using molecular data: the systematics of <i>Polyommatus</i> blue butterflies (Lepidoptera, Lycaenidae). <i>Cladistics</i> , 2013, 29, 166-192.	3.3	84
9	In the shadow of phylogenetic uncertainty: The recent diversification of <i>Lysandra</i> butterflies through chromosomal change. <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 469-478.	2.7	81
10	Unprecedented within-species chromosome number cline in the Wood White butterfly <i>Leptidea sinapis</i> and its significance for karyotype evolution and speciation. <i>BMC Evolutionary Biology</i> , 2011, 11, 109.	3.2	74
11	Ancient Neotropical origin and recent recolonisation: Phylogeny, biogeography and diversification of the Riodinidae (Lepidoptera: Papilionoidea). <i>Molecular Phylogenetics and Evolution</i> , 2015, 93, 296-306.	2.7	72
12	recluster: an unbiased clustering procedure for beta-diversity turnover. <i>Ecography</i> , 2013, 36, 1070-1075.	4.5	71
13	Global invasion history of the agricultural pest butterfly <i>Pieris rapae</i> revealed with genomics and citizen science. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20015-20024.	7.1	70
14	Integrating three comprehensive data sets shows that mitochondrial DNA variation is linked to species traits and paleogeographic events in European butterflies. <i>Molecular Ecology Resources</i> , 2019, 19, 1623-1636.	4.8	66
15	Long-distance autumn migration across the Sahara by painted lady butterflies: exploiting resource pulses in the tropical savannah. <i>Biology Letters</i> , 2016, 12, 20160561.	2.3	54
16	Pollen metabarcoding as a tool for tracking long-distance insect migrations. <i>Molecular Ecology Resources</i> , 2019, 19, 149-162.	4.8	52
17	Integrative analyses unveil speciation linked to host plant shift in <i>S</i> <i>palia</i> butterflies. <i>Molecular Ecology</i>, 2016, 25, 4267-4284.</i>	3.9	44
18	How common are dot-like distributions? Taxonomical oversplitting in western European <i>Agrodiaetus</i> (Lepidoptera: Lycaenidae) revealed by chromosomal and molecular markers. <i>Biological Journal of the Linnean Society</i> , 2010, 101, 130-154.	1.6	43

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19	DNA Barcodes Combined with Multilocus Data of Representative Taxa Can Generate Reliable Higher-Level Phylogenies. <i>Systematic Biology</i> , 2022, 71, 382-395.	5.6	35
20	When caterpillars attack: Biogeography and life history evolution of the Miletinae (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	2.3	34
21	Round-trip across the Sahara: Afrotropical Painted Lady butterflies recolonize the Mediterranean in early spring. <i>Biology Letters</i> , 2018, 14, 20180274.	2.3	34
22	Spatio-temporal ecological niche modelling of multigenerational insect migrations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191583.	2.6	34
23	Do Holarctic ant species exist? Transâ€Beringian dispersal and homoplasy in the Formicidae. <i>Journal of Biogeography</i> , 2018, 45, 1917-1928.	3.0	33
24	Two ways to be endemic. Alps and Apennines are different functional refugia during climatic cycles. <i>Molecular Ecology</i> , 2021, 30, 1297-1310.	3.9	27
25	Discovery of mass migration and breeding of the painted lady butterfly <i>Vanessa cardui</i> in the Sub-Sahara: the Europe-Africa migration revisited. <i>Biological Journal of the Linnean Society</i> , 2016, , .	1.6	19
26	Discovered just before extinction? The first endemic ant from the Balearic Islands (<i>Lasius balearicus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	18
27	Biogeography and systematics of <i>Aricia</i> butterflies (Lepidoptera, Lycaenidae). <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 369-379.	2.7	16
28	Keeping an eye on coloration: ecological correlates of the evolution of pitcher traits in the genus <i>Nepenthes</i> (Caryophyllales). <i>Biological Journal of the Linnean Society</i> , 2018, 123, 321-337.	1.6	16
29	Integrative analyses on Western Palearctic <i>Lasiommata</i> reveal a mosaic of nascent butterfly species. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2020, 58, 809-822.	1.4	12
30	The genome sequence of the painted lady, <i>Vanessa cardui</i> Linnaeus 1758. <i>Wellcome Open Research</i> , 0, 6, 324.	1.8	11
31	Ecological specialization is associated with genetic structure in the ant-associated butterfly family Lycaenidae. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181158.	2.6	9
32	Evolutionary trade-offs between male secondary sexual traits revealed by a phylogeny of the hyperdiverse tribe Eumaeini (Lepidoptera: Lycaenidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202512.	2.6	9
33	Erratic spatiotemporal vegetation growth anomalies drive population outbreaks in a trans-Saharan insect migrant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121249119.	7.1	9
34	Integrative taxonomy reveals cryptic diversity in North American <i>Lasius</i> ants, and an overlooked introduced species. <i>Scientific Reports</i> , 2022, 12, 5970.	3.3	8
35	Recent diversification of <i>Chrysoritis</i> butterflies in the South African Cape (Lepidoptera: Lycaenidae). <i>Molecular Phylogenetics and Evolution</i> , 2020, 148, 106817.	2.7	6
36	Oneâ€note samba: the biogeographical history of the relict Brazilian butterfly <i>Elkalyce cogina</i> . <i>Journal of Biogeography</i> , 2016, 43, 727-737.	3.0	5

#	ARTICLE	IF	CITATIONS
37	Tracing the origin of disjunct distributions: a case of biogeographical convergence in <i>Pyrgus</i> butterflies. <i>Journal of Biogeography</i> , 2011, 38, 2006-2020.	3.0	3
38	The genome sequence of the red admiral, <i>Vanessa atalanta</i> (Linnaeus, 1758). <i>Wellcome Open Research</i> , 0, 6, 356.	1.8	2
39	Genetic assessment and climate modelling of the Iberian specialist butterfly <i>Euchloe bazae</i> (Lepidoptera: Pieridae). <i>Insect Conservation and Diversity</i> , 2022, 15, 594-605.	3.0	2