

David S Jacobs

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3948719/publications.pdf>

Version: 2024-02-01

85
papers

3,231
citations

186209

28
h-index

161767

54
g-index

86
all docs

86
docs citations

86
times ranked

2535
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Carpe noctem: the importance of bats as bioindicators. <i>Endangered Species Research</i> , 2009, 8, 93-115. | 1.2 | 662 |
| 2 | A Nuclear DNA Phylogenetic Perspective on the Evolution of Echolocation and Historical Biogeography of Extant Bats (Chiroptera). <i>Molecular Biology and Evolution</i> , 2005, 22, 1869-1886. | 3.5 | 211 |
| 3 | A Family Matter: Conclusive Resolution of the Taxonomic Position of the Long-Fingered Bats, <i>Miniopterus</i> . <i>Molecular Biology and Evolution</i> , 2007, 24, 1553-1561. | 3.5 | 176 |
| 4 | Strong population substructure is correlated with morphology and ecology in a migratory bat. <i>Nature</i> , 2003, 424, 187-191. | 13.7 | 97 |
| 5 | Phylogeny of African <i>Myotis</i> Bats (Chiroptera, Vespertilionidae) Inferred from Cytochrome <i>b</i> Sequences. <i>Acta Chiropterologica</i> , 2004, 6, 177-192. | 0.2 | 93 |
| 6 | Variation in the echolocation calls of the hoary bat (<i>Lasiurus cinereus</i>): influence of body size, habitat structure, and geographic location. <i>Canadian Journal of Zoology</i> , 1999, 77, 530-534. | 0.4 | 91 |
| 7 | The allometry of echolocation call frequencies of insectivorous bats: why do some species deviate from the pattern?. <i>Oecologia</i> , 2007, 152, 583-594. | 0.9 | 89 |
| 8 | How and Why Overcome the Impediments to Resolution: Lessons from rhinolophid and hipposiderid Bats. <i>Molecular Biology and Evolution</i> , 2015, 32, 313-333. | 3.5 | 82 |
| 9 | Nuclear introns outperform mitochondrial DNA in inter-specific phylogenetic reconstruction: Lessons from horseshoe bats (Rhinolophidae: Chiroptera). <i>Molecular Phylogenetics and Evolution</i> , 2016, 97, 196-212. | 1.2 | 77 |
| 10 | A second wave of <i>Sonic hedgehog</i> expression during the development of the bat limb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16982-16987. | 3.3 | 73 |
| 11 | GENETIC AND PHENOTYPIC DIFFERENCES BETWEEN SOUTH AFRICAN LONG-FINGERED BATS, WITH A GLOBAL MINIOPTERINE PHYLOGENY. <i>Journal of Mammalogy</i> , 2005, 86, 1121-1135. | 0.6 | 69 |
| 12 | Undergraduates' understanding of evolution: ascriptions of agency as a problem for student learning. <i>Journal of Biological Education</i> , 2002, 36, 65-71. | 0.8 | 65 |
| 13 | Molecular phylogenetics and historical biogeography of <i>Rhinolophus</i> bats. <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 1-9. | 1.2 | 64 |
| 14 | Artificial wetlands and surrounding habitats provide important foraging habitat for bats in agricultural landscapes in the Western Cape, South Africa. <i>Biological Conservation</i> , 2013, 164, 30-38. | 1.9 | 62 |
| 15 | Individual signatures in the frequency-modulated sweep calls of African large-eared, free-tailed bats <i>Otomops martiensseni</i> (Chiroptera: Molossidae). <i>Journal of Zoology</i> , 2004, 262, 11-19. | 0.8 | 61 |
| 16 | The colony structure and dominance hierarchy of the Damaraland mole-rat, <i>Cryptomys damarensis</i> (Rodentia: Bathyergidae), from Namibia. <i>Journal of Zoology</i> , 1991, 224, 553-576. | 0.8 | 50 |
| 17 | Support for the allotonic frequency hypothesis in an insectivorous bat community. <i>Oecologia</i> , 2003, 134, 154-162. | 0.9 | 49 |
| 18 | Bats and Water: Anthropogenic Alterations Threaten Global Bat Populations. , 2016, , 215-241. | | 48 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The relative influence of competition and prey defences on the trophic structure of animalivorous bat ensembles. <i>Oecologia</i> , 2011, 166, 493-506. | 0.9 | 46 |
| 20 | Auditory encoding during the last moment of a moth's life. <i>Journal of Experimental Biology</i> , 2003, 206, 281-294. | 0.8 | 45 |
| 21 | CRYPTIC SPECIES IN AN INSECTIVOROUS BAT, SCOTOPHILUS DINGANII. <i>Journal of Mammalogy</i> , 2006, 87, 161-170. | 0.6 | 44 |
| 22 | The Relative Influence of Competition and Prey Defenses on the Phenotypic Structure of Insectivorous Bat Ensembles in Southern Africa. <i>PLoS ONE</i> , 2008, 3, e3715. | 1.1 | 44 |
| 23 | Morphological Divergence in an Insular Bat, <i>Lasiurus cinereus semotus</i> . <i>Functional Ecology</i> , 1996, 10, 622. | 1.7 | 43 |
| 24 | Beware of bats, beware of birds: the auditory responses of eared moths to bat and bird predation. <i>Behavioral Ecology</i> , 2008, 19, 1333-1342. | 1.0 | 41 |
| 25 | The role of early development in mammalian limb diversification: A descriptive comparison of early limb development between the natal long-fingered bat (<i>Miniopterus natalensis</i>) and the mouse (<i>Mus musculus</i>). <i>Developmental Dynamics</i> , 2009, 238, 965-979. | 0.8 | 40 |
| 26 | No evidence for the work-conflict hypothesis in the eusocial naked mole-rat (<i>Heterocephalus glaber</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T</i> | 0.6 | 39 |
| 27 | Variation in the echolocation calls of the hoary bat (<i>Lasiurus cinereus</i>): influence of body size, habitat structure, and geographic location. <i>Canadian Journal of Zoology</i> , 1999, 77, 530-534. | 0.4 | 39 |
| 28 | Geographic variation in the morphology, echolocation and diet of the little free-tailed bat, <i>Chaerephon pumilus</i> (Molossidae). <i>African Zoology</i> , 2003, 38, 245-254. | 0.2 | 38 |
| 29 | Sensory Drive Mediated by Climatic Gradients Partially Explains Divergence in Acoustic Signals in Two Horseshoe Bat Species, <i>Rhinolophus swinnyi</i> and <i>Rhinolophus simulator</i> . <i>PLoS ONE</i> , 2016, 11, e0148053. | 1.1 | 32 |
| 30 | Differences in the foraging behaviour of male and female Egyptian fruit bats (<i>Rousettus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T</i> | 0.4 | 30 |
| 31 | Phenotypic Convergence in Genetically Distinct Lineages of a <i>Rhinolophus</i> Species Complex (Mammalia,) <i>Tj ETQq1 1 0.784314 rgBT /</i> | 1.1 | 30 |
| 32 | Niche Differentiation in Two Sympatric Sibling Bat Species, <i>Scotophilus dinganii</i> and <i>Scotophilus mhlangani</i> . <i>Journal of Mammalogy</i> , 2009, 90, 879-887. | 0.6 | 28 |
| 33 | The Divergence of Echolocation Frequency in Horseshoe Bats: Moth Hearing, Body Size or Habitat?. <i>Journal of Mammalian Evolution</i> , 2011, 18, 117-129. | 1.0 | 28 |
| 34 | The diet of the insectivorous Hawaiian hoary bat (<i>Lasiurus cinereus semotus</i>) in an open and a cluttered habitat. <i>Canadian Journal of Zoology</i> , 1999, 77, 1603-1608. | 0.4 | 27 |
| 35 | Factors Influencing the Emergence Times of sympatric Insectivorous Bat Species. <i>Acta Chiropterologica</i> , 2013, 15, 121-132. | 0.2 | 26 |
| 36 | Listening carefully: increased perceptual acuity for species discrimination in multispecies signalling assemblages. <i>Animal Behaviour</i> , 2015, 101, 141-154. | 0.8 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Deliberate insectivory by the fruit bat <i>Rousettus aegyptiacus</i> . <i>Acta Chiropterologica</i> , 2006, 8, 549-553. | 0.2 | 25 |
| 38 | Morphological correlates of echolocation frequency in the endemic Cape horseshoe bat, <i>Rhinolophus capensis</i> (Chiroptera: Rhinolophidae). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2011, 197, 435-446. | 0.7 | 24 |
| 39 | Researching little-known species: the African bat <i>Otomops martiensseni</i> (Chiroptera: Molossidae). <i>Biodiversity and Conservation</i> , 2002, 11, 1583-1606. | 1.2 | 23 |
| 40 | Thermoregulation in two free-ranging subtropical insectivorous bat species: <i>Scotophilus</i> species (Vespertilionidae). <i>Canadian Journal of Zoology</i> , 2007, 85, 883-890. | 0.4 | 23 |
| 41 | Echolocation in the bat, <i>Rhinolophus capensis</i> : the influence of clutter, conspecifics and prey on call design and intensity. <i>Biology Open</i> , 2015, 4, 693-701. | 0.6 | 23 |
| 42 | Testing the Sensory Drive Hypothesis: Geographic variation in echolocation frequencies of Geoffroy's horseshoe bat (Rhinolophidae: <i>Rhinolophus clivosus</i>). <i>PLoS ONE</i> , 2017, 12, e0187769. | 1.1 | 22 |
| 43 | Sensory trait variation in an echolocating bat suggests roles for both selection and plasticity. <i>BMC Evolutionary Biology</i> , 2014, 14, 60. | 3.2 | 21 |
| 44 | The influence of feeding on the evolution of sensory signals: a comparative test of an evolutionary trade-off between masticatory and sensory functions of skulls in southern African Horseshoe bats (Rhinolophidae). <i>Journal of Evolutionary Biology</i> , 2014, 27, 2829-2840. | 0.8 | 20 |
| 45 | Surviving cave bats: auditory and behavioural defences in the Australian noctuid moth, <i>Speiredonia spectans</i> . <i>Journal of Experimental Biology</i> , 2008, 211, 3808-3815. | 0.8 | 19 |
| 46 | Isolation and characterization of highly polymorphic microsatellite loci in Schreibers' long-fingered bat, <i>Miniopterus schreibersii</i> (Chiroptera: Vespertilionidae). <i>Molecular Ecology Notes</i> , 2002, 2, 139-141. | 1.7 | 18 |
| 47 | Resource use by two morphologically similar insectivorous bats (<i>Nycteris</i>). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (the</i> | 0.5 | 17 |
| 48 | To seek or speak? Dual function of an acoustic signal limits its versatility in communication. <i>Animal Behaviour</i> , 2017, 127, 135-152. | 0.8 | 17 |
| 49 | Field identification of two morphologically similar bats, <i>Miniopterus schreibersii natalensis</i> and <i>Miniopterus fraterculus</i> (Chiroptera: Vespertilionidae). <i>African Zoology</i> , 2004, 39, 47-53. | 0.2 | 16 |
| 50 | Out-breeding behaviour and xenophobia in the damaraland mole-rat, <i>Cryptomys damarensis</i> . <i>South African Journal of Zoology</i> , 1998, 33, 189-194. | 0.5 | 15 |
| 51 | Predator-Prey Interactions: Co-evolution between Bats and Their Prey. <i>Springer Briefs in Animal Sciences</i> , 2016, , . | 0.1 | 15 |
| 52 | Thermoregulation by captive and free-ranging Egyptian rousette bats (<i>Rousettus aegyptiacus</i>) in South Africa. <i>Journal of Mammalogy</i> , 2017, 98, 572-578. | 0.6 | 15 |
| 53 | Genetic Similarity Amongst Phenotypically Diverse Little Free-Tailed Bats, <i>Chaerephon pumilus</i> . <i>Acta Chiropterologica</i> , 2004, 6, 13-21. | 0.2 | 14 |
| 54 | Environmental correlates of geographic divergence in a phenotypic trait: A case study using bat echolocation. <i>Ecology and Evolution</i> , 2017, 7, 7347-7361. | 0.8 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Ignoring the irrelevant: auditory tolerance of audible but innocuous sounds in the bat-detecting ears of moths. <i>Die Naturwissenschaften</i> , 2008, 95, 241-245. | 0.6 | 12 |
| 56 | High Duty Cycle Echolocation May Constrain the Evolution of Diversity within Horseshoe Bats (Family: Rhinolophidae). <i>Diversity</i> , 2018, 10, 85. | 0.7 | 11 |
| 57 | The relative contribution of drift and selection to phenotypic divergence: A test case using the horseshoe bats <i>Rhinolophus simulator</i> and <i>Rhinolophus swinnyi</i> . <i>Ecology and Evolution</i> , 2017, 7, 4299-4311. | 0.8 | 10 |
| 58 | Evaluation of Maternal Features as Indicators of Asynchronous Embryonic Development in <i>Miniopterus natalensis</i> . <i>Acta Chiropterologica</i> , 2010, 12, 161-171. | 0.2 | 9 |
| 59 | The influence of wing morphology and echolocation on the gleaning ability of the insectivorous bat <i>Myotis tricolor</i> . <i>Canadian Journal of Zoology</i> , 2004, 82, 1854-1863. | 0.4 | 8 |
| 60 | Karyotypic differences in two sibling species of <i>Scotophilus</i> from South Africa (Vespertilionidae, Chiroptera, Mammalia). <i>Cytogenetic and Genome Research</i> , 2007, 118, 72-77. | 0.6 | 8 |
| 61 | Retinoic acid-independent expression of <i>Meis2</i> during autopod patterning in the developing bat and mouse limb. <i>EvoDevo</i> , 2015, 6, 6. | 1.3 | 8 |
| 62 | Foraging and roosting ecology of a rare insectivorous bat species, <i>Laephotis wintoni</i> (Thomas, 1901), Vespertilionidae. <i>Acta Chiropterologica</i> , 2005, 7, 101-109. | 0.2 | 7 |
| 63 | Faecal analyses and alimentary tracers reveal the foraging ecology of two sympatric bats. <i>PLoS ONE</i> , 2020, 15, e0227743. | 1.1 | 7 |
| 64 | Individual recognition in the Damaraland mole-rat, <i>Cryptomys damarensis</i> (Rodentia: Bathyergidae). <i>Journal of Zoology</i> , 2000, 251, 411-415. | 0.8 | 6 |
| 65 | The status of <i>Sauromys petrophilus</i> and <i>Chaerephon pumilus</i> (Chiroptera: Molossidae) in the Western Cape Province of South Africa. <i>African Zoology</i> , 2001, 36, 129-136. | 0.2 | 6 |
| 66 | It's not all about the Soprano: Rhinolophid bats use multiple acoustic components in echolocation pulses to discriminate between conspecifics and heterospecifics. <i>PLoS ONE</i> , 2018, 13, e0199703. | 1.1 | 6 |
| 67 | Bat Echolocation: Adaptations for Prey Detection and Capture. <i>Springer Briefs in Animal Sciences</i> , 2016, , 13-30. | 0.1 | 5 |
| 68 | Convergence as an Evolutionary Trade-off in the Evolution of Acoustic Signals: Echolocation in Horseshoe Bats as a Case Study. , 2016, , 89-103. | | 4 |
| 69 | The diet of the insectivorous Hawaiian hoary bat (<i>Lasiurus cinereus semotus</i>) in an open and a cluttered habitat. <i>Canadian Journal of Zoology</i> , 1999, 77, 1603-1608. | 0.4 | 4 |
| 70 | Concept-driven teaching and assessment in Invertebrate Zoology. <i>Journal of Biological Education</i> , 1998, 32, 191-199. | 0.8 | 3 |
| 71 | Animal Personality and Biological Markets: Rise of the Individual. <i>African Zoology</i> , 2009, 44, 271-282. | 0.2 | 2 |
| 72 | The Relative Roles of Selection and Drift in Phenotypic Variation: Some Like It Hot, Some Like It Wet. , 2018, , 215-237. | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Mormopterus petrophilus. Mammalian Species, 2002, 703, 1-3. | 0.4 | 2 |
| 74 | S17-03 Differences in the wing and hindlimb transcriptomes of the natal long-fingered bat, <i>Miniopterus natalensis</i> , during embryonic development. Mechanisms of Development, 2009, 126, S44-S45. | 1.7 | 1 |
| 75 | Development and characterization of 10 microsatellite markers in the Cape horseshoe bat, <i>Rhinolophus capensis</i> (Chiroptera, Rhinolophidae) and cross-amplification in southern African <i>Rhinolophus</i> species. BMC Research Notes, 2015, 8, 477. | 0.6 | 1 |
| 76 | Compositional turnover in ecto- and endoparasite assemblages of an African bat, <i>Miniopterus natalensis</i> (Chiroptera, Miniopteridae): effects of hierarchical scale and host sex. Parasitology, 2020, 147, 1728-1742. | 0.7 | 1 |
| 77 | The Behaviour and Vocalisations of Captive Geoffroy's Horseshoe Bats, <i>Rhinolophus clivus</i> (Chiroptera: Rhinolophidae). Acta Chiropterologica, 2019, 20, 439. | 0.2 | 1 |
| 78 | Detection distances in desert dwelling, high duty cycle echolocators: A test of the foraging habitat hypothesis. PLoS ONE, 2022, 17, e0268138. | 1.1 | 1 |
| 79 | Mormopterus petrophilus. Mammalian Species, 2002, , . | 0.4 | 0 |
| 80 | The role of early development in mammalian limb diversification: A descriptive comparison of early limb development between the natal long-fingered bat (<i>Miniopterus natalensis</i>) and the mouse (<i>Mus</i>) Tj ETQq0 0 00gBT /Overal lock 10 Tf | 0.8 | 0 |
| 81 | 15-P002 Limbs gone batty: A second wave of Sonic hedgehog expression during the development of the bat limb. Mechanisms of Development, 2009, 126, S247. | 1.7 | 0 |
| 82 | Passive and Active Acoustic Defences of Prey Against Bat Predation. Springer Briefs in Animal Sciences, 2016, , 43-71. | 0.1 | 0 |
| 83 | Aerial Warfare: Have Bats and Moths Co-evolved?. Springer Briefs in Animal Sciences, 2016, , 73-87. | 0.1 | 0 |
| 84 | Synthesis and Future Research. Springer Briefs in Animal Sciences, 2016, , 107-116. | 0.1 | 0 |
| 85 | Geographic variation in the skulls of the horseshoe bats, <i>Rhinolophus simulator</i> and <i>R. cf. simulator</i> : Determining the relative contributions of adaptation and drift using geometric morphometrics. Ecology and Evolution, 2021, 11, 15916-15935. | 0.8 | 0 |