David S Jacobs

List of Publications by Year
in descending order

85 papers	3,231 citations	186265 28 h-index	161849 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. Endangered Species Research, 2009, 8, 93-115.	2.4	662
2	A Nuclear DNA Phylogenetic Perspective on the Evolution of Echolocation and Historical Biogeography of Extant Bats (Chiroptera). Molecular Biology and Evolution, 2005, 22, 1869-1886.	8.9	211
3	A Family Matter: Conclusive Resolution of the Taxonomic Position of the Long-Fingered Bats, Miniopterus. Molecular Biology and Evolution, 2007, 24, 1553-1561.	8.9	176
4	Strong population substructure is correlated with morphology and ecology in a migratory bat. Nature, 2003, 424, 187-191.	27.8	97
5	Phylogeny of AfricanMyotisBats (Chiroptera, Vespertilionidae) Inferred from CytochromebSequences. Acta Chiropterologica, 2004, 6, 177-192.	0.6	93
6	Variation in the echolocation calls of the hoary bat (Lasiurus cinereus): influence of body size, habitat structure, and geographic location. Canadian Journal of Zoology, 1999, 77, 530-534.	1.0	91
7	The allometry of echolocation call frequencies of insectivorous bats: why do some species deviate from the pattern?. Oecologia, 2007, 152, 583-594.	2.0	89
8	How and Why Overcome the Impediments to Resolution: Lessons from rhinolophid and hipposiderid Bats. Molecular Biology and Evolution, 2015, 32, 313-333.	8.9	82
9	Nuclear introns outperform mitochondrial DNA in inter-specific phylogenetic reconstruction: Lessons from horseshoe bats (Rhinolophidae: Chiroptera). Molecular Phylogenetics and Evolution, 2016, 97, 196-212.	2.7	77
10	A second wave of Sonic hedgehog expression during the development of the bat limb. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16982-16987.	7.1	73
11	GENETIC AND PHENOTYPIC DIFFERENCES BETWEEN SOUTH AFRICAN LONG-FINGERED BATS, WITH A GLOBAL MINIOPTERINE PHYLOGENY. Journal of Mammalogy, 2005, 86, 1121-1135.	1.3	69
12	Undergraduates' understanding of evolution: ascriptions of agency as a problem for student learning. Journal of Biological Education, 2002, 36, 65-71.	1.5	65
13	Molecular phylogenetics and historical biogeography of Rhinolophus bats. Molecular Phylogenetics and Evolution, 2010, 54, 1-9.	2.7	64
14	Artificial wetlands and surrounding habitats provide important foraging habitat for bats in agricultural landscapes in the Western Cape, South Africa. Biological Conservation, 2013, 164, 30-38.	4.1	62
15	Individual signatures in the frequency-modulated sweep calls of African large-eared, free-tailed bats Otomops martiensseni (Chiroptera: Molossidae). Journal of Zoology, 2004, 262, 11-19.	1.7	61
16	The colony structure and dominance hierarchy of the Damaraland moleâ€rat, Cryptomys damarensis (Rodentia: Bathyergidae), from Namibia. Journal of Zoology, 1991, 224, 553-576.	1.7	50
17	Support for the allotonic frequency hypothesis in an insectivorous bat community. Oecologia, 2003, 134, 154-162.	2.0	49
18	Bats and Water: Anthropogenic Alterations Threaten Global Bat Populations. , 2016, , 215-241.		48

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19	The relative influence of competition and prey defences on the trophic structure of animalivorous bat ensembles. Oecologia, 2011, 166, 493-506.	2.0	46
20	Auditory encoding during the last moment of a moth's life. Journal of Experimental Biology, 2003, 206, 281-294.	1.7	45
21	CRYPTIC SPECIES IN AN INSECTIVOROUS BAT, SCOTOPHILUS DINGANII. Journal of Mammalogy, 2006, 87, 161-170.	1.3	44
22	The Relative Influence of Competition and Prey Defenses on the Phenotypic Structure of Insectivorous Bat Ensembles in Southern Africa. PLoS ONE, 2008, 3, e3715.	2.5	44
23	Morphological Divergence in an Insular Bat, Lasiurus cinereus semotus. Functional Ecology, 1996, 10, 622.	3.6	43
24	Beware of bats, beware of birds: the auditory responses of eared moths to bat and bird predation. Behavioral Ecology, 2008, 19, 1333-1342.	2.2	41
25	The role of early development in mammalian limb diversification: A descriptive comparison of early limb development between the natal longâ€fingered bat (Miniopterus natalensis) and the mouse (Mus musculus). Developmental Dynamics, 2009, 238, 965-979.	1.8	40
26	No evidence for the work-conflict hypothesis in the eusocial naked mole-rat (Heterocephalus glaber) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	39
27	Variation in the echolocation calls of the hoary bat (Lasiurus cinereus): influence of body size, habitat structure, and geographic location. Canadian Journal of Zoology, 1999, 77, 530-534.	1.0	39
28	Geographic variation in the morphology, echolocation and diet of the little free-tailed bat,Chaerephon pumilus(Molossidae). African Zoology, 2003, 38, 245-254.	0.4	38
29	Sensory Drive Mediated by Climatic Gradients Partially Explains Divergence in Acoustic Signals in Two Horseshoe Bat Species, Rhinolophus swinnyi and Rhinolophus simulator. PLoS ONE, 2016, 11, e0148053.	2.5	32
30	Differences in the foraging behaviour of male and female Egyptian fruit bats (Rousettus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	1.0	30
31	Phenotypic Convergence in Genetically Distinct Lineages of a Rhinolophus Species Complex (Mammalia,) Tj ETQq1 1 0.784314 rgBT /O	2.5	30
32	Niche Differentiation in Two Sympatric Sibling Bat Species, Scotophilus Dinganii and Scotophilus Mhlanganii. Journal of Mammalogy, 2009, 90, 879-887.	1.3	28
33	The Divergence of Echolocation Frequency in Horseshoe Bats: Moth Hearing, Body Size or Habitat?. Journal of Mammalian Evolution, 2011, 18, 117-129.	1.8	28
34	The diet of the insectivorous Hawaiian hoary bat (Lasiurus cinereus semotus) in an open and a cluttered habitat. Canadian Journal of Zoology, 1999, 77, 1603-1608.	1.0	27
35	Factors Influencing the Emergence Times of sympatric Insectivorous Bat Species. Acta Chiropterologica, 2013, 15, 121-132.	0.6	26
36	Listening carefully: increased perceptual acuity for species discrimination in multispecies signalling assemblages. Animal Behaviour, 2015, 101, 141-154.	1.9	26

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37	Deliberate insectivory by the fruit bat Rousettus aegyptiacus. Acta Chiropterologica, 2006, 8, 549-553.	0.6	25
38	Morphological correlates of echolocation frequency in the endemic Cape horseshoe bat, Rhinolophus capensis (Chiroptera: Rhinolophidae). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 435-446.	1.6	24
39	Researching little-known species: the African bat Otomops martiensseni (Chiroptera: Molossidae). Biodiversity and Conservation, 2002, 11, 1583-1606.	2.6	23
40	Thermoregulation in two free-ranging subtropical insectivorous bat species: Scotophilus species (Vespertilionidae). Canadian Journal of Zoology, 2007, 85, 883-890.	1.0	23
41	Echolocation in the bat, Rhinolophus capensis: the influence of clutter, conspecifics and prey on call design and intensity. Biology Open, 2015, 4, 693-701.	1.2	23
42	Testing the Sensory Drive Hypothesis: Geographic variation in echolocation frequencies of Geoffroy's horseshoe bat (Rhinolophidae: Rhinolophus clivosus). PLoS ONE, 2017, 12, e0187769.	2.5	22
43	Sensory trait variation in an echolocating bat suggests roles for both selection and plasticity. BMC Evolutionary Biology, 2014, 14, 60.	3.2	21
44	The influence of feeding on the evolution of sensory signals: a comparative test of an evolutionary tradeâ€off between masticatory and sensory functions of skulls in southern African Horseshoe bats (Rhinolophidae). Journal of Evolutionary Biology, 2014, 27, 2829-2840.	1.7	20
45	Surviving cave bats: auditory and behavioural defences in the Australian noctuid moth,Speiredonia spectans. Journal of Experimental Biology, 2008, 211, 3808-3815.	1.7	19
46	Isolation and characterization of highly polymorphic microsatellite loci in Schreibers' long-fingered bat, Miniopterus schreibersii (Chiroptera: Vespertilionidae). Molecular Ecology Notes, 2002, 2, 139-141.	1.7	18
47	Resource use by two morphologically similar insectivorous bats (Nycteris) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (th	0.5	17
48	To seek or speak? Dual function of an acoustic signal limits its versatility in communication. Animal Behaviour, 2017, 127, 135-152.	1.9	17
49	Field identification of two morphologically similar bats, Miniopterus schreibersii natalensis and Miniopterus fraterculus (Chiroptera: Vespertilionidae). African Zoology, 2004, 39, 47-53.	0.4	16
50	Out-breeding behaviour and xenophobia in the damaraland mole-rat,Cryptomys damarensis. South African Journal of Zoology, 1998, 33, 189-194.	0.5	15
51	Predatorâ€"Prey Interactions: Co-evolution between Bats and Their Prey. Springer Briefs in Animal Sciences, 2016, , .	0.1	15
52	Thermoregulation by captive and free-ranging Egyptian rousette bats (Rousettus aegyptiacus) in South Africa. Journal of Mammalogy, 2017, 98, 572-578.	1.3	15
53	Genetic Similarity Amongst Phenotypically Diverse Little Free-Tailed Bats,Chaerephon pumilus. Acta Chiropterologica, 2004, 6, 13-21.	0.6	14
54	Environmental correlates of geographic divergence in a phenotypic trait: A case study using bat echolocation. Ecology and Evolution, 2017, 7, 7347-7361.	1.9	13

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55	Ignoring the irrelevant: auditory tolerance of audible but innocuous sounds in the bat-detecting ears of moths. Die Naturwissenschaften, 2008, 95, 241-245.	1.6	12
56	High Duty Cycle Echolocation May Constrain the Evolution of Diversity within Horseshoe Bats (Family: Rhinolophidae). Diversity, 2018, 10, 85.	1.7	11
57	The relative contribution of drift and selection to phenotypic divergence: A test case using the horseshoe bats Rhinolophus simulator and Rhinolophus swinnyi. Ecology and Evolution, 2017, 7, 4299-4311.	1.9	10
58	Evaluation of Maternal Features as Indicators of Asynchronous Embryonic Development inMiniopterus natalensis. Acta Chiropterologica, 2010, 12, 161-171.	0.6	9
59	The influence of wing morphology and echolocation on the gleaning ability of the insectivorous bat Myotis tricolor. Canadian Journal of Zoology, 2004, 82, 1854-1863.	1.0	8
60	Karyotypic differences in two sibling species of <i>Scotophilus</i> from South Africa (Vespertilionidae, Chiroptera, Mammalia). Cytogenetic and Genome Research, 2007, 118, 72-77.	1.1	8
61	Retinoic acid-independent expression of Meis2 during autopod patterning in the developing bat and mouse limb. EvoDevo, 2015, 6, 6.	3.2	8
62	Foraging and roosting ecology of a rare insectivorous bat species, Laephotis wintoni (Thomas, 1901), Vespertilionidae. Acta Chiropterologica, 2005, 7, 101-109.	0.6	7
63	Faecal analyses and alimentary tracers reveal the foraging ecology of two sympatric bats. PLoS ONE, 2020, 15, e0227743.	2.5	7
64	Individual recognition in the Damaraland mole-rat, Cryptomys damarensis (Rodentia: Bathyergidae). Journal of Zoology, 2000, 251, 411-415.	1.7	6
65	The status of Sauromys petrophilus and Chaerephon pumilus (Chiroptera: Molossidae) in the Western Cape Province of South Africa. African Zoology, 2001, 36, 129-136.	0.4	6
66	Itâ€™s not all about the Soprano: Rhinolophid bats use multiple acoustic components in echolocation pulses to discriminate between conspecifics and heterospecifics. PLoS ONE, 2018, 13, e0199703.	2.5	6
67	Bat Echolocation: Adaptations for Prey Detection and Capture. Springer Briefs in Animal Sciences, 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 (Lasiurus cinereus semotus) in an open and a cluttered habitat. Canadian Journal of Zoology, 1999, 77, 1603-1608.	1.0	4
70	Concept-driven teaching and assessment in Invertebrate Zoology. Journal of Biological Education, 1998, 32, 191-199.	1.5	3
71	Animal Personality and Biological Markets: Rise of the Individual. African Zoology, 2009, 44, 271-282.	0.4	2
72	The Relative Roles of Selection and Drift in Phenotypic Variation: Some Like It Hot, Some Like It Wet. , 2018, , 215-237.		2

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73	Mormopterus petrophilus. Mammalian Species, 2002, 703, 1-3.	0.7	2
74	S17-03 Differences in the wing and hindlimb transcriptomes of the natal long-fingered bat, Miniopterus natalensis, 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, Rhinolophus capensis (Chiroptera, Rhinolophidae) and cross-amplification in southern African Rhinolophus species. BMC Research Notes, 2015, 8, 477.	1.4	1
76	Compositional turnover in ecto- and endoparasite assemblages of an African bat, Miniopterus natalensis (Chiroptera, Miniopteridae): effects of hierarchical scale and host sex. Parasitology, 2020, 147, 1728-1742.	1.5	1
77	The Behaviour and Vocalisations of Captive Geoffroy's Horseshoe Bats, Rhinolophus clivosus (Chiroptera: Rhinolophidae). Acta Chiropterologica, 2019, 20, 439.	0.6	1
78	Detection distances in desert dwelling, high duty cycle echolocators: A test of the foraging habitat hypothesis. PLoS ONE, 2022, 17, e0268138.	2.5	1
79	Mormopterus petrophilus. Mammalian Species, 2002, , .	0.7	0
80	The role of early development in mammalian limb diversification: A descriptive comparison of early limb development between the natal long-fingered bat (Miniopterus natalensis) and the mouse (Mus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	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, Rhinolophus simulator and R. cf. simulator : Determining the relative contributions of adaptation and drift using geometric morphometrics. Ecology and Evolution, 2021, 11, 15916-15935.	1.9	0