

# Burton K Lim

## List of Publications by Year in descending order

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95  
papers

2,790  
citations

218677

26  
h-index

214800

47  
g-index

97  
all docs

97  
docs citations

97  
times ranked

2527  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA barcoding of Neotropical bats: species identification and discovery within Guyana. <i>Molecular Ecology Notes</i> , 2007, 7, 184-190.	1.7	261
2	The Role of DNA Barcodes in Understanding and Conservation of Mammal Diversity in Southeast Asia. <i>PLoS ONE</i> , 2010, 5, e12575.	2.5	187
3	DNA barcoding in surveys of small mammal communities: a field study in Suriname. <i>Molecular Ecology Resources</i> , 2008, 8, 471-479.	4.8	172
4	Neotropical Bats: Estimating Species Diversity with DNA Barcodes. <i>PLoS ONE</i> , 2011, 6, e22648.	2.5	138
5	Title is missing!. <i>Biodiversity and Conservation</i> , 2001, 10, 613-657.	2.6	127
6	Divergent lineage of a novel hantavirus in the banana pipistrelle ( <i>Neoromicia nanus</i> ) in CÔte d'Ivoire. <i>Virology Journal</i> , 2012, 9, 34.	3.4	92
7	Genetic Diversity of Northeastern Palaearctic Bats as Revealed by DNA Barcodes. <i>Acta Chiropterologica</i> , 2012, 14, 1-14.	0.6	75
8	Molecular Differentiation of Large Species of Fruit-Eating Bats ( <i>Artibeus</i> ) and Phylogenetic Relationships Based on the Cytochrome <i>b</i> Gene. <i>Acta Chiropterologica</i> , 2004, 6, 1-12.	0.6	70
9	Molecular phylogeny of New World sheath-tailed bats (Emballonuridae: Diclidurini) based on loci from the four genetic transmission systems in mammals. <i>Biological Journal of the Linnean Society</i> , 0, 93, 189-209.	1.6	56
10	The Phylogenetic Position of the Rodent Genus <i>Typhlomys</i> and the Geographic Origin of Muroidea. <i>Journal of Mammalogy</i> , 2009, 90, 1083-1094.	1.3	55
11	NEOTROPICAL XENARTHTRANS: a data set of occurrence of xenarthran species in the Neotropics. <i>Ecology</i> , 2019, 100, e02663.	3.2	54
12	Bats and their vital ecosystem services: a global review. <i>Integrative Zoology</i> , 2022, 17, 2-23.	2.6	54
13	Bat community structure at Iwokrama Forest, Guyana. <i>Journal of Tropical Ecology</i> , 2001, 17, 647-665.	1.1	46
14	New insights into the evolution of the <i>Trypanosoma cruzi</i> clade provided by a new trypanosome species tightly linked to Neotropical <i>Pteronotus</i> bats and related to an Australian lineage of trypanosomes. <i>Parasites and Vectors</i> , 2015, 8, 657.	2.5	45
15	Emergence, Echolocation, Diet and Foraging Behavior of <i>Molossus ater</i> (Chiroptera: Molossidae)1. <i>Biotropica</i> , 1998, 30, 314-320.	1.6	44
16	Expert range maps of global mammal distributions harmonised to three taxonomic authorities. <i>Journal of Biogeography</i> , 2022, 49, 979-992.	3.0	41
17	Differentiation and Species Status of the Neotropical Yellow-Eared Bats <i>Vampyressa pusilla</i> and <i>V. thuyone</i> (Phyllostomidae) with a Molecular Phylogeny and Review of the Genus. <i>Acta Chiropterologica</i> , 2003, 5, 15-29.	0.6	37
18	A New Species of <i>Marmosops</i> (Marsupialia: Didelphidae) from the Pakaraima Highlands of Guyana, with Remarks on the Origin of the Endemic Pantepui Mammal Fauna. <i>American Museum Novitates</i> , 2013, 3778, 1-27.	0.6	37

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19	Single nucleotide polymorphisms (SNPs) provide unprecedented resolution of species boundaries, phylogenetic relationships, and genetic diversity in the mastiff bats ( <i>Molossus</i> ). <i>Molecular Phylogenetics and Evolution</i> , 2020, 143, 106690.	2.7	36
20	Divergence times and origin of neotropical sheath-tailed bats (Tribe <i>Diclidurini</i> ) in South America. <i>Molecular Phylogenetics and Evolution</i> , 2007, 45, 777-791.	2.7	35
21	Mammal collections of the Western Hemisphere: a survey and directory of collections. <i>Journal of Mammalogy</i> , 2018, 99, 1307-1322.	1.3	34
22	A New Species of <i>Peropteryx</i> (Chiroptera: <i>Emballonuridae</i> ) from Western Amazonia with Comments on Phylogenetic Relationships within the Genus. <i>American Museum Novitates</i> , 2010, 3686, 1-20.	0.6	32
23	Robustness of ecological niche modeling algorithms for mammals in Guyana. <i>Biodiversity and Conservation</i> , 2002, 11, 1237-1246.	2.6	31
24	Mammals of Iwokrama Forest. <i>Proceedings of the Academy of Natural Sciences of Philadelphia</i> , 2005, 154, 71-108.	0.5	31
25	NEW SPECIES OF DISK-WINGED BAT <i>THYROPTERA</i> AND RANGE EXTENSION FOR <i>T. DISCIFERA</i> . <i>Journal of Mammalogy</i> , 2006, 87, 238-246.	1.3	31
26	CLADISTIC REAPPRAISAL OF NEOTROPICAL STENODERMATINE BAT PHYLOGENY. <i>Cladistics</i> , 1993, 9, 147-165.	3.3	30
27	Systematics of the Genera <i>Carollia</i> and <i>Rhinophylla</i> Based on the Cytochrome-b Gene. <i>Journal of Mammalogy</i> , 1999, 80, 1202-1213.	1.3	29
28	Nuclear and mtDNA phylogenetic analyses clarify the evolutionary history of two species of native Hawaiian bats and the taxonomy of <i>Lasiurini</i> (Mammalia: Chiroptera). <i>PLoS ONE</i> , 2017, 12, e0186085.	2.5	29
29	Evolutionary and Functional Novelty of Pancreatic Ribonuclease: a Study of <i>Musteloidea</i> (order <i>Tj ETQq1 1 0.784314 rgBT / Overlock</i> )	3.3	28
30	SYSTEMATICS OF DOG-FACED BATS ( <i>CYNOMOPS</i> ) BASED ON MOLECULAR AND MORPHOMETRIC DATA. <i>Journal of Mammalogy</i> , 2002, 83, 1097-1110.	1.3	26
31	Taxonomic Status of <i>Artibeus amplus</i> (Chiroptera: <i>Phyllostomidae</i> ) in Northern South America. <i>Journal of Mammalogy</i> , 1993, 74, 763-768.	1.3	25
32	Historical biogeography of New World emballonurid bats (tribe <i>Diclidurini</i> ): taxon pulse diversification. <i>Journal of Biogeography</i> , 2008, 35, 1385-1401.	3.0	25
33	Molecular Phylogeny of Hantaviruses Harbored by Insectivorous Bats in CÃte d'Ivoire and Vietnam. <i>Viruses</i> , 2014, 6, 1897-1910.	3.3	25
34	Not All <i>Molossus</i> are Created Equal: Genetic Variation in the Mastiff Bat Reveals Diversity Masked by Conservative Morphology. <i>Acta Chiropterologica</i> , 2019, 21, 51.	0.6	25
35	Dietary Diversification and Specialization in Neotropical Bats Facilitated by Early Molecular Evolution. <i>Molecular Biology and Evolution</i> , 2021, 38, 3864-3883.	8.9	24
36	Gene losses in the common vampire bat illuminate molecular adaptations to blood feeding. <i>Science Advances</i> , 2022, 8, eabm6494.	10.3	24

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37	RESULTS OF THE ALCOA FOUNDATION-SURINAME EXPEDITIONS. XIV. MAMMALS OF BROWNSBERG NATURE PARK, SURINAME. <i>Annals of Carnegie Museum</i> , 2005, 74, 225-274.	0.5	23
38	Systematic review of small fruit-eating bats ( <i>Artibeus</i> ) from the Guianas, and a re-evaluation of <i>A. glaucus bogotensis</i> . <i>Acta Chiropterologica</i> , 2008, 10, 243-256.	0.6	23
39	A new species of <i>Chiroderma</i> (Chiroptera, Phyllostomidae) from Northeastern Brazil. <i>Brazilian Journal of Biology</i> , 2010, 70, 381-386.	0.9	23
40	Functional Shifts in Bat Dim-Light Visual Pigment Are Associated with Differing Echolocation Abilities and Reveal Molecular Adaptation to Photic-Limited Environments. <i>Molecular Biology and Evolution</i> , 2018, 35, 2422-2434.	8.9	23
41	<strong>A new species of broad-nosed bat <em>Platyrrhinus</em> Saussure, 1860 (Chiroptera: A Phyllostomidae) from the Guianan Shield</strong>. <i>Zootaxa</i> , 2014, 3796, 175.	0.5	22
42	The role of ecological factors in shaping bat cone opsin evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172835.	2.6	22
43	A new species of mastiff bat (Chiroptera, Molossidae, <i>Molossus</i> ) from Guyana and Ecuador. <i>Mammalian Biology</i> , 2018, 90, 10-21.	1.5	22
44	NEOTROPICAL ALIEN MAMMALS: a data set of occurrence and abundance of alien mammals in the Neotropics. <i>Ecology</i> , 2020, 101, e03115.	3.2	22
45	Preliminary Assessment of Neotropical Mammal DNA Barcodes: An Underestimation of Biodiversity. <i>The Open Zoology Journal</i> , 2012, 5, 10-17.	0.4	22
46	A New Species from Southwestern China in the Afro-Palearctic Lineage of the Horseshoe Bats ( <i>Rhinolophus</i> ). <i>Journal of Mammalogy</i> , 2009, 90, 57-73.	1.3	20
47	Molecular phylogenetics of Reig's short-tailed opossum ( <i>Monodelphis reigi</i> ) and its distributional range extension into Guyana. <i>Mammalian Biology</i> , 2010, 75, 287-293.	1.5	20
48	Morphometric differentiation and species status of the Allopatric fruit-eating bats <i>Artibeus jamaicensis</i> and <i>A. planirostris</i> in Venezuela. <i>Studies on Neotropical Fauna and Environment</i> , 1997, 32, 65-71.	1.0	19
49	Three New Species of <i>Murina</i> from Southern China (Chiroptera: Vespertilionidae). <i>Acta Chiropterologica</i> , 2011, 13, 227-243.	0.6	19
50	Evolutionary Patterns of Morphology and Behavior as Inferred from a Molecular Phylogeny of New World Emballonurid Bats (Tribe Diclidurini). <i>Journal of Mammalian Evolution</i> , 2008, 15, 79-121.	1.8	18
51	Biogeography of Mammals from the Guianas of South America. , 2012, , 230-258.		18
52	<i>De Novo</i> Genome and Transcriptome Assembly of the Canadian Beaver (<i>Castor canadensis</i>). <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 755-773.	1.8	18
53	Reconstructing the phylogeny of new world monkeys (platyrrhini): evidence from multiple non-coding loci. <i>Environmental Epigenetics</i> , 2019, 65, 579-588.	1.8	18
54	Systematics of big-eyed bats, genus <i>Chiroderma</i> Peters, 1860 (Chiroptera: Phyllostomidae). <i>Zootaxa</i> , 2020, 4846, zootaxa.4846.1.1.	0.5	18

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55	Distributional extension of <i>Molossops neglectus</i> (Chiroptera, Molossidae) into southeastern Brazil. <i>Mammalia</i> , 2004, 68, .	0.7	16
56	DNA barcoding and genetic diversity of phyllostomid bats from the Yucatan Peninsula with comparisons to Central America. <i>Molecular Ecology Resources</i> , 2012, 12, 590-597.	4.8	15
57	Phylogeography of Dominican Republic bats and implications for systematic relationships in the Neotropics. <i>Journal of Mammalogy</i> , 2017, 98, 986-993.	1.3	15
58	Moscas ectoparasitas (Diptera, Streblidae) de morcegos filostomídeos (Mammalia, Chiroptera) na Estação Ecológica dos Caetetus, São Paulo, Brasil. <i>Revista Brasileira De Zoologia</i> , 2006, 23, 298-299.	0.5	14
59	A new genus and species of vespertilionid bat from the Indomalayan Region. <i>Journal of Mammalogy</i> , 2018, 99, 209-222.	1.3	13
60	Environmental Assessment at the Bakhuis Bauxite Concession: Small- Sized Mammal Diversity and Abundance in the Lowland Humid Forests of Suriname. <i>The Open Biology Journal</i> , 2009, 2, 42-53.	0.5	13
61	Cryptic diversity and range extension in the big-eyed bat genus <i>Chiroderma</i> (Chiroptera, Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.1	13
62	Speciation processes in putative island endemic sister bat species: false impressions from mitochondrial <sc>DNA</sc> and microsatellite data. <i>Molecular Ecology</i> , 2015, 24, 5910-5926.	3.9	11
63	DNA barcoding of Jamaican bats: implications to Neotropical biodiversity. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 3013-3019.	0.7	11
64	Curatorial guidelines and standards of the American Society of Mammalogists for collections of genetic resources. <i>Journal of Mammalogy</i> , 2019, 100, 1690-1694.	1.3	11
65	Morphometric differentiation and species status of the allopatric fruit-eating bats <i>artibeus jamaicensis</i> and <i>a. planirostris</i> in Venezuela. <i>Studies on Neotropical Fauna and Environment</i> , 1997, 32, 65-71.	1.0	11
66	Genetic variants of Cao Bang hantavirus in the Chinese mole shrew ( <i>Anourosorex squamipes</i> ) and Taiwanese mole shrew ( <i>Anourosorex yamashinai</i> ). <i>Infection, Genetics and Evolution</i> , 2016, 40, 113-118.	2.3	10
67	Community Ecology and Phylogeography of Bats in the Guianan Savannas of Northern South America. <i>Diversity</i> , 2018, 10, 129.	1.7	10
68	Multiple Episodes of Convergence in Genes of the Dim Light Vision Pathway in Bats. <i>PLoS ONE</i> , 2012, 7, e34564.	2.5	10
69	Seed Dispersal by Frugivorous Bats in Central Guyana and a Description of Previously Unknown Plant-Animal Interactions. <i>Acta Chiropterologica</i> , 2015, 17, 331-336.	0.6	9
70	Comparative phylogeography of mainland and insular species of Neotropical molossid bats ( <i>Molossus</i> ). <i>Ecology and Evolution</i> , 2020, 10, 389-409.	1.9	9
71	Mammalia, Chiroptera, Emballonuridae, <i>Peropteryx leucoptera</i> Peters, 1867 and <i>Peropteryx pallidoptera</i> Lim, Engstrom, Reid, Simmons, Voss and Fleck, 2010: distributional range extensions in Ecuador. <i>Check List</i> , 2010, 6, 639.	0.4	9
72	Phylogenetics and biogeography of least sac-winged bats ( <i>Balantiopteryx</i> ) based on morphological and molecular data. <i>Mammalian Biology</i> , 2004, 69, 225-237.	1.5	7

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73	Genetic distinctiveness of the greater long-tailed hamster, <i>Tscherskia triton nestor</i> (Rodentia: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Cells and Systems, 2013, 17, 31-35.	2.2	7
74	Review of genetic diversification of bats in the Caribbean and biogeographic relationships to Neotropical species based on DNA barcodes. <i>Genome</i> , 2017, 60, 65-73.	2.0	7
75	Nectar-feeding bats and birds show parallel molecular adaptations in sugar metabolism enzymes. <i>Current Biology</i> , 2021, 31, 4667-4674.e6.	3.9	7
76	RECORDS OF STREBLIDAE AND NYCTERIBIIDAE (DIPTERA) ON VESPERTILIONID BATS (CHIROPTERA: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2002, 110, 402-404.	0.6	6
77	Molecular data on the CO1 and beta fibrinogen gene in the evolutionary relationships of the mastiff bat (Chiroptera, Molossidae, <i>Molossus</i> ). <i>Data in Brief</i> , 2018, 18, 1609-1613.	1.0	6
78	Interrogating Phylogenetic Discordance Resolves Deep Splits in the Rapid Radiation of Old World Fruit Bats (Chiroptera: Pteropodidae). <i>Systematic Biology</i> , 2021, 70, 1077-1089.	5.6	6
79	Foraging strategies, craniodental traits, and interaction in the bite force of Neotropical frugivorous bats (Phyllostomidae: Stenodermatinae). <i>Ecology and Evolution</i> , 2021, 11, 13756-13772.	1.9	6
80	Adaptive Radiation of Neotropical Emballonurid Bats: Molecular Phylogenetics and Evolutionary Patterns in Behavior and Morphology. , 2010, , 283-299.		5
81	Adaptive evolutionary expansion of the ribonuclease 6 in Rodentia. <i>Integrative Zoology</i> , 2019, 14, 306-317.	2.6	5
82	Litter size and seasonality in reproduction for Guianan rodents and opossums. <i>Studies on Neotropical Fauna and Environment</i> , 2019, 54, 31-39.	1.0	5
83	Next generation sequencing data in the phylogenetic relationships of the genus <i>Molossus</i> (Chiroptera, Molossidae). <i>Data in Brief</i> , 2020, 29, 105276.	1.0	5
84	Review of mammalogical research in the Guianas of northern South America. <i>Integrative Zoology</i> , 2016, 11, 151-161.	2.6	4
85	Analysis of bat humeri from Late Pleistocene Talara Tar Seeps of northwestern Peru, with paleoenvironmental implications. <i>Journal of Vertebrate Paleontology</i> , 2017, 37, e1250097.	1.0	4
86	Human-bat interactions in central Colombia: Regional perceptions of a worldwide fragile life zone. <i>Ethnobiology and Conservation</i> , 0, , .	0.0	3
87	Skull Morphology, Bite Force, and Diet in Insectivorous Bats from Tropical Dry Forests in Colombia. <i>Biology</i> , 2021, 10, 1012.	2.8	3
88	Taxonomic status of <i>Alticola</i> and new record of <i>Cricetulus</i> from Nepal. <i>Mammalia</i> , 1992, 56, .	0.7	2
89	Systematic relationships of the Guianan brush-tailed rat ( <i>Isothrix sinnamariensis</i> ) and its first occurrence in Guyana / Systématique du rat à queue en brosse de Guyane ( <i>Isothrix sinnamariensis</i> ) et première découverte en Guyane. <i>Mammalia</i> , 2006, 70, .	0.7	2
90	New Records of Two Small Mammals from Guatemala. <i>Southwestern Naturalist</i> , 1993, 38, 80.	0.1	1

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91	Two Small Mammals New to the Fauna of el Salvador. <i>Southwestern Naturalist</i> , 1994, 39, 281.	0.1	1
92	Biogeography of Neotropical mastiff bats: A case of multiple dispersals between the Caribbean and mainland. <i>Journal of Biogeography</i> , 2021, 48, 1353-1365.	3.0	1
93	Revealing hidden sexually dimorphic male traits in the little white-shouldered bat, <i>Ametrida centurio</i> Gray 1847 (Chiroptera: Phyllostomidae). <i>Mammalian Biology</i> , 0, , 1.	1.5	1
94	Dominance by extremely high aggressive behaviors in relation to genetic microstructure in matriline. <i>Mammalian Biology</i> , 2018, 89, 1-6.	1.5	0
95	Does evolution of echolocation calls and morphology in <i>Molossus</i> result from convergence or stasis?. <i>PLoS ONE</i> , 2020, 15, e0238261.	2.5	0