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Wildlife Research

Supplementary Material

Purpose-driven approaches to age estimation in Australian flying-foxes (*Pteropus*)

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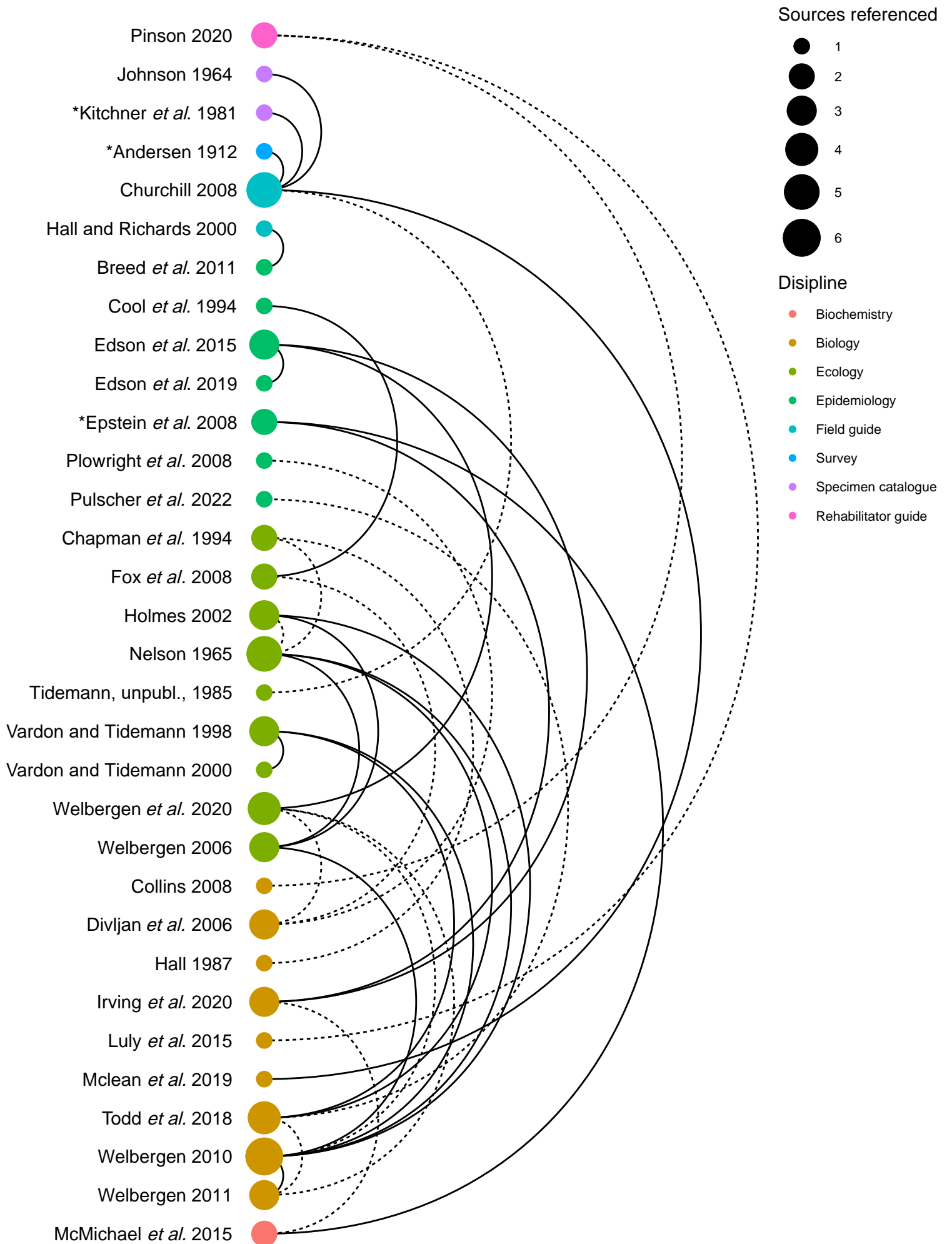


Fig. S1. Arc diagram illustrating the links between each source and the source it cites for its ageing methods. Each node is coloured by discipline and sized to represent number of times they referenced another source. Solid lines links denote referencing in the direction from bottom to top (for example McMichael *et al.* 2015 cited ageing methods in Epstein *et al.* 2008); dotted lines denote referencing direction from top to bottom (for example Welbergen *et al.* 2020 cited ageing methods in Welbergen *et al.* 2010). Asterisks (*) identify cited sources that did not meet the inclusion criteria and were instead sourced through tracing. Sources that did not reference their method were omitted from this figure ($n = 13$).

A summary of characteristics for ageing *Pteropus* species

DEPENDENT/CRECHED	WEANED	SEXUALLY IMMATURE	SEXUALLY MATURE
Animal that has recently been born and whose survival is dependent on its mother.	Volant animals that are independent and not full body size or sexually mature.	Volant animals that are near or are adult body size but not sexually mature.	Fully developed animal that is sexually mature.
Physical characteristics			
Weight	Weight	Weight	Weight
Forearm length	Forearm length	Forearm length	Forearm length
Teeth Presence of deciduous or milk teeth	Teeth Sharp and white	Teeth Unworn, some staining	Teeth Possible molar wear, staining
Fur Generally absent for pre-term individuals. Fur thickening as they grow.	Fur Fully furred		Fur Fully furred, possible silver hairs
Volancy Non-volant	Volancy Volant		
Ear formation Pointed ears			Ear formation Possibly cropped or damaged
Facial and body proportions Larger proportions of ears, eyes and feet		Facial and body proportions Similar proportions	Facial and body proportions Broader facial proportions
Growth plates Wing joint cartilage is knobly	Growth plates Smooth joints with visible cartilage and blood vessels		Growth plates Absence of cartilage between joints
Membrane Thin in tecture, pink in colour for pre-term individuals	Membrane Intermediate		Membrane Possible scarring on wings
Reproductive organs Presence of umbilical cord or placenta	Reproductive organs ♂ Underdeveloped penis and testes ♀ Flat nipples with full surrounding fur	Reproductive organs ♂ Underdeveloped penis and undescended testes. ♀ Flat nipples with full surrounding fur.	Reproductive organs ♂ Developed penis and testes. ♀ Elongated nipples with reduced surrounding fur, lactation or pregnancy. Presence of pup.
Other considerations			
Sex			
Species			
Region			
Time of year (i.e. relative to mating season and birthing season)			
Adverse events (i.e. food shortages)			

Figure S2. A summary of physical characteristics compiled from this review that are useful for estimating age of flying-foxes. Characteristics in bold are considered most useful to distinguish that cohort from another. Weight and forearm descriptions are not given as these cut-offs vary (as seen from this review).

Table S1. Literature contributing to the review categorised by source, discipline, geographic region, and species of study.

Reference	Source	Discipline	State	Species	Method used							Method referenced	Terms used	Chronological age estimation	
					Forearm	Weight	Reproductive status	Teeth	Other	Difference in sex (Forearm and weight)	Difference in species				
Barrett <i>et al.</i> 2020	PubMed/WoS	Epidemiology	Qld	<i>P. conspicillatus</i>	Yes	No	No	No	No	No	No	NA	No	Juvenile only	x
BatOneHealth field protocol v11 2021	Grey	Multiple	Qld and NSW	<i>P. alecto</i>	Yes	Yes	Yes	x	No	No	No	No	No	Juvenile, Sub-adult, Adult	Yes
BCRQ (Denise Wade, 2022)	Grey	Flying fox Rehabilitator	Qld	<i>P. poliocephalus</i>	Yes	Yes	Yes	Milk teeth	No	Yes	No	No	No	Baby, Juvenile, Sub-adult, Adult	Yes
Breed <i>et al.</i> 2011	PubMed/WoS	Epidemiology	Qld	<i>P. poliocephalus</i> <i>P. conspicillatus</i>	No	No	Yes	Yes	No	No	No	NA	Yes	Juvenile, Sub-adult, Adult, Aged	Yes
Chapman <i>et al.</i> 1994	WoS	Ecology	Qld	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. scapulatus</i>	Yes	Yes	No	No	Interpubic distance	Yes	Yes	Yes	Yes	Neonate/ Juvenile, Adult	No
Churchill 2008	Cited literature	Ecology	Australia	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. scapulatus</i> <i>P. natalis</i> <i>P. conspicillatus</i>	No	No	Yes	Yes	Wing joint, wing scarring, time of year	No	Yes	No	No	Juvenile, Sub-adult, Adult	No
Cool <i>et al.</i> 1994	Cited literature	Biology	Qld	<i>P. alecto</i> <i>P. poliocephalus</i>	Age study										
Divljan <i>et al.</i> 2006	WoS	Biology	NSW	<i>P. poliocephalus</i>	Age study										
Divljan <i>et al.</i> 2011	WoS	Biology	NSW	<i>P. poliocephalus</i>	Age study										
Edson <i>et al.</i> 2015	Cited literature	Epidemiology	Qld and NSW	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. scapulatus</i>	No	No	Yes	No	No	No	No	No	No	Juvenile, Sub-adult, Adult	Yes
Edson <i>et al.</i> 2018	WoS	Biochemistry	NSW	<i>P. poliocephalus</i>	Yes	Yes	Yes	No	No	No	No	NA	No	Juvenile, Sub-adult, Adult	No
Edson <i>et al.</i> 2019	WoS	Epidemiology	Qld	<i>P. alecto</i>	Yes	Yes	Yes	No	No	No	No	NA	Yes	Juvenile, Sub-adult, Adult	Yes
Fox <i>et al.</i> 2008	WoS	Ecology	Qld	<i>P. conspicillatus</i>	No	No	No	Yes	No	No	NA	NA	Yes	Adult only	NA
Hall 1987	Cited literature	Biology/ Ecology	Australia	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. conspicillatus</i> <i>P. scapulatus</i>	Yes	Yes	No	No	No	Yes	Yes	Yes	No	Adult only	NA
Hall and Richards 2000	Cited literature	Ecology	Australia	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. conspicillatus</i> <i>P. scapulatus</i>	Yes	Yes	Yes	Yes	Hair colour	No	No	Yes	No		Yes
Holmes 2002	Cited literature	Ecology	NSW	<i>P. poliocephalus</i>	Yes	Yes	Yes	No	Size of eyes, ears, shoulders	No	NA	Yes	Yes	Juvenile, Sub-adult, Adult	Yes
Irving <i>et al.</i> 2020	WoS	Ecological methods	Qld	<i>P. alecto</i>	Yes	Yes	Yes	No	No	No	No	NA	Yes	Juvenile, Sub-adult, Adult	Yes
Luly <i>et al.</i> 2015	Cited literature	Biology/ Ecology	Qld	<i>P. alecto</i>	Yes	Yes	No	Study on if this is effective	No	No	No	NA	No	Juvenile, Adult	No
Mclean <i>et al.</i> 2019	WoS	Biology	Qld	<i>P. conspicillatus</i>	Yes	No	No	No	No	No	No	NA	Yes	Juvenile, Adult	No
McMichael <i>et al.</i> 2015	PubMed/WoS	Biochemistry	Qld	<i>P. alecto</i>	Yes	Yes	Yes	No	No	No	No	NA	Yes	Juvenile, Adult	Yes
Nelson 1965	Cited literature	Ecology	Qld	<i>P. poliocephalus</i>	Describes the growth stages of flying foYeses using timelines. Also mentions weight.							NA	No	Young, Juvenile, Adult	x
O'Brien <i>et al.</i> 1996	PubMed	Biology/ Endocrinology	Qld	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. scapulatus</i>	Yes	Yes	Yes	No	Some known age	No	No	No	Unpublished reference	Juvenile, Adult	Yes
O'Brien <i>et al.</i> 2003	WoS	Ecology	Qld	<i>P. alecto</i>	Yes	Yes	Yes	No		No	No	No	No	Juvenile, Adult	Yes

Reference	Source	Discipline	State	Species	Method used	Forearm	Weight	Reproductive status	Teeth	Other	Difference in sex (Forearm and weight)	Difference in species	Method referenced	Terms used	Chronological age estimation
Pinson 2022	Grey	Flying fox Rehabilitator	Australia	<i>P. poliocephalus</i> <i>P. scapulatus</i> <i>P. alecto</i> <i>P. poliocephalus</i>	Yes	Yes	Yes	No	No	Some known age Biological timelines	Yes	No	Yes	Premmie, Baby, Juvenile, Sub-adult, Adult	Yes
Plowright <i>et al.</i> 2008	PubMed/WoS	Epidemiology	NT	<i>P. scapulatus</i>			Yes	Yes	Yes	Biological timelines	NA	NA	Yes	0-1 Month, 3 Months, 6 Months, Pre-breeding, Mature	Yes
Pulscher <i>et al.</i> 2021	WoS	Ecotoxicology	CI	<i>P. natalis</i>	Yes	Yes	Yes	Yes	Yes	No	No	NA	Yes	Juvenile, Sub-adult, Adult	Yes
Pulscher <i>et al.</i> 2022	WoS	Epidemiology	CI	<i>P. natalis</i>	Yes	Yes	Yes	Yes	Yes	No	No	NA	Yes	Juvenile, Sub-adult, Adult	No
Sanchez <i>et al.</i> 2022	WoS	Ecotoxicology	Qld, NSW, and SA	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. conspicillatus</i>	No	No	Yes	No	No	No	No	No	Yes	Non-adult, Adult	No
Tidemann and Nelson 2011	WoS	Ecology	NT, Qld, NSW, and Vic.	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. poliocephalus</i> <i>P. scapulatus</i>	No	Yes	Yes	No	No	Biological timelines	No	No	Yes	Young, Sub-adult, Adult	Yes
Todd <i>et al.</i> 2018	WoS	Biology	CI	<i>P. natalis</i>	No	No	Yes	No, but make an interesting comment that it is not effective.	No	Size of eyes, ears, shoulders, volancy	No	NA	Yes	Non-Volant, Juvenile, Sub-adult, Adult	Yes
Tolga Bat Hospital (Jennefer Mclean, 2022)	Grey	Flying fox Rehabilitator	Qld	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. conspicillatus</i> <i>P. scapulatus</i>	Yes	Yes	Yes	No	No	Volancy	No	No	No	Pup, Juvenile, Sub-adult, Adult	Yes
Vardon and Tidemann 1998	WoS	Biology	Qld and NT	<i>P. alecto</i>	Yes	No	Yes	No	No	Birth cohorts estimate age in months	No	NA	No	Study on growth/age	
Vardon and Tidemann 1999	WoS	Ecology	NT	<i>P. alecto</i> <i>P. scapulatus</i>	No	No	Yes	No	No	Overall size from distance, volancy	No	No	Yes	Non-Volant Young/Juvenile, Volant Young/Juvenile	Yes
Vardon and Tidemann 2000	WoS	Ecology	NT	<i>P. alecto</i>	Yes, also makes comment how this is not effective after 18 months	No	Yes	Yes	Yes	No	Yes	NA	Yes	Adult only	Yes
Welbergen <i>et al.</i> 2008	PubMed/WoS	Ecology	NSW	<i>P. alecto</i> <i>P. poliocephalus</i>	No	No	Yes	No	No	Body size	No	No	No	Young, Adult	No
Welbergen <i>et al.</i> 2020	PubMed/WoS	Ecology	Qld and NSW	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. scapulatus</i>	No	No	Yes	Yes	Yes	No	No	No	Yes	Juvenile, Adult	No
Welbergen 2006	Cited literature	Ecology	NSW	<i>P. poliocephalus</i>	No	No	Yes	No	No	Size eyes, ears, shoulders	No	NA	Yes	Young, Adult	Yes
Welbergen 2010	Cited literature	Biology	NSW	<i>P. poliocephalus</i>	No	No	Yes	Yes	Yes	Size eyes, ears, shoulders, flight, volancy	No	NA	Yes	Young, Sub-adult, Adult	Yes

Reference	Source	Discipline	State	Species	Method used							Method referenced	Terms used	Chronological age estimation
					Forearm	Weight	Reproductive status	Teeth	Other	Difference in sex (Forearm and weight)	Difference in species			
Welbergen 2011	Cited literature	Biology	NSW	<i>P. poliocephalus</i>	Refer to Welbergen, 2010									
WIRES (L. Ruytenberg, 2023)	Grey	Flying fox Rehabilitator	NSW	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. scapulatus</i>	Yes	Yes	Yes	No	Condition of fur, volancy	No	No	Yes	Baby, Juvenile, Adult	Yes
WIRES (Storm Stanford, 2023)	Grey	Flying fox Rehabilitator	NSW	<i>P. alecto</i> <i>P. poliocephalus</i> <i>P. scapulatus</i>	Yes	Yes	Yes	Yes	Thermoregulation, body size percentage, fur, size eyes, ears	No	No	Yes	Infant, Juvenile, Pre-breeding, Adult	Yes
Woon <i>et al.</i> 2020	WoS	Epidemiology	Vic.	<i>P. alecto</i>	Known age study								Juvenile only	Yes

This table details the use of various features such as morphometrics (including forearm length, weight, reproductive status, teeth and others), noting whether data are separated by sex or species. Additionally, it indicates if the method is referenced, the terminology used, and the estimated chronological age. 'Yes' denotes presence and 'Not' denotes absence. Sources include PubMed, Web of Science (WoS), cited literature and grey literature. Geographic regions covered include Queensland (Qld), New South Wales (NSW), Northern Territory (NT), Christmas Island (CI), South Australia (SA) and Victoria (Vic.).

Table S2. Details of PubMed sources excluded from the review and their exclusion criteria.

	Title	Authors	Year	Reason for exclusion
1	A new, large-bodied omnivorous bat (Noctilionoidea: Mystacinidae) reveals lost morphological and ecological diversity since the Miocene in New Zealand	Hand SJ, Beck RMD, Archer M, Simmons NB, Gunnell GF, Scofield RP, Tennyson AJD, De Pietri VL, Salisbury SW, Worthy TH.	2018	Outside of Australia
2	Adult phyllostomid (bat) enamel by scanning electron microscopy--with a note on dermopteran enamel	Lester KS, Hand SJ, Vincent F.	1988	Outside of Australia
3	Attenuated infection by a Pteropine orthoreovirus isolated from an Egyptian fruit bat in Zambia	Harima H, Sasaki M, Orba Y, Okuya K, Qiu Y, Wastika CE, Changula K, Kajihara M, Simulundu E, Yamaguchi T, Eto Y, Mori-Kajihara A, Sato A, Taniguchi S, Takada A, Saijo M, Hang'ombe BM, Sawa H.	2021	Outside of Australia
4	Bat detective-Deep learning tools for bat acoustic signal detection	Mac Aodha O, Gibb R, Barlow KE, Browning E, Firman M, Freeman R, Harder B, Kinsey L, Mead GR, Newson SE, Pandourski I, Parsons S, Russ J, Szodoray-Paradi A, Szodoray-Paradi F, Tilova E, Girolami M, Brostow G, Jones KE.	2018	Outside of Australia
5	Bat predation by spiders	Nyffeler M, Knörnschild M.	2013	Outside of Australia
6	Bat trait, genetic and pathogen data from large-scale investigations of African fruit bats, Eidolon helvum	Peel AJ, Baker KS, Hayman DT, Suu-Ire R, Breed AC, Gembu GC, Lembo T, Fernández-Loras A, Sargan DR, Fooks AR, Cunningham AA, Wood JL.	2016	Outside of Australia
7	Between roost contact is essential for maintenance of European bat lyssavirus type-2 in Myotis daubentonii bat reservoir: 'The Swarming Hypothesis'	Horton DL, Breed AC, Arnold ME, Smith GC, Aegerter JN, McElhinney LM, Johnson N, Banyard AC, Raynor R, Mackie I, Denwood MJ, Mellor DJ, Swift S, Racey PA, Fooks AR.	2020	Outside of Australia
8	Deep, prolonged torpor by pregnant, free-ranging bats	Willis CK, Brigham RM, Geiser F.	2006	Outside of Australia
9	Down but Not Out: The Role of MicroRNAs in Hibernating Bats	Yuan L, Geiser F, Lin B, Sun H, Chen J, Zhang S.	2015	Outside of Australia
10	Dracula's children: molecular evolution of vampire bat venom	Low DH, Sunagar K, Undheim EA, Ali SA, Alagon AC, Ruder T, Jackson TN, Pineda Gonzalez S, King GF, Jones A, Antunes A, Fry BG.	2013	Outside of Australia
11	Ecology and Evolution of Betacoronaviruses	Rodríguez-Román E, Gibbs AJ.	2021	Outside of Australia
12	Effectiveness of acoustic lures for increasing tropical forest understory bat captures	Aylen O, Bishop PJ, Bin Haji Abd Wahab R, Grafe TU.	2022	Outside of Australia
13	Foraging behaviour and landscape utilisation by the endangered golden-crowned flying fox (Acerodon jubatus), the Philippines	de Jong C, Field H, Tagtag A, Hughes T, Dechmann D, Jayme S, Epstein JH, Smith C, Santos I, Catbagan D, Lim M, Benigno C, Daszak P, Newman S.	2013	Outside of Australia
14	Genealogy, Virality, and Potentiality: Moving Beyond Orientalism with COVID-19	Kirksey E.	2021	Outside of Australia
15	How and why overcome the impediments to resolution: lessons from rhinolophid and hipposiderid bats	Foley NM, Thong VD, Soisook P, Goodman SM, Armstrong KN, Jacobs DS, Puechmaille SJ, Teeling EC.	2015	Outside of Australia
16	Middle East Respiratory Syndrome (MERS) Virus-Pathophysiological Axis and the Current Treatment Strategies	Alnuqaydan AM, Almutary AG, Sukamaran A, Yang BTW, Lee XT, Lim WX, Ng YM, Ibrahim R, Darmarajan T, Nanjappan S, Chellian J, Candasamy M, Madheswaran T, Sharma A, Dureja H, Prasher P, Verma N, Kumar D, Palaniveloo K, Bisht D, Gupta G, Madan JR, Singh SK, Jha NK, Dua K, Chellappan DK.	2021	Outside of Australia
17	Miocene Fossils Reveal Ancient Roots for New Zealand's Endemic Mystacina (Chiroptera) and Its Rainforest Habitat	Hand SJ, Lee DE, Worthy TH, Archer M, Worthy JP, Tennyson AJ, Salisbury SW, Scofield RP, Mildenhall DC, Kennedy EM, Lindqvist JK.	2015	Outside of Australia
18	Nipah virus - the rising epidemic: a review	Ochani RK, Batra S, Shaikh A, Asad A.	2019	Outside of Australia
19	Of bats and men: Immunomodulatory treatment options for COVID-19 guided by the immunopathology of SARS-CoV-2 infection	Christie MJ, Irving AT, Forster SC, Marsland BJ, Hansbro PM, Hertzog PJ, Nold-Petry CA, Nold MF.	2021	Outside of Australia

	Title	Authors	Year	Reason for exclusion
20	Origin and cross-species transmission of bat coronaviruses in China	Latinne A, Hu B, Olival KJ, Zhu G, Zhang L, Li H, Chmura AA, Field HE, Zambrana-Torrel C, Epstein JH, Li B, Zhang W, Wang LF, Shi ZL, Daszak P.	2020	Outside of Australia
21	Pandemic origins and a One Health approach to preparedness and prevention: Solutions based on SARS-CoV-2 and other RNA viruses	Keusch GT, Amuasi JH, Anderson DE, Daszak P, Eckerle I, Field H, Koopmans M, Lam SK, Das Neves CG, Peiris M, Perlman S, Wacharapluesadee S, Yadana S, Saif L.	2022	Outside of Australia
22	Pre-exposure rabies prophylaxis: a systematic review	Kessels JA, Recuenco S, Navarro-Vela AM, Deray R, Vigilato M, Ertl H, Durrheim D, Rees H, Nel LH, Abela-Ridder B, Briggs D.	2017	Outside of Australia
23	Prenatal allometric trajectories and the developmental basis of postcranial phenotypic diversity in bats (Chiroptera)	López-Aguirre C, Hand SJ, Koyabu D, Son NT, Wilson LAB.	2019	Outside of Australia
24	Prioritizing surveillance of Nipah virus in India	Plowright RK, Becker DJ, Crowley DE, Washburne AD, Huang T, Nameer PO, Gurley ES, Han BA.	2019	Outside of Australia
25	Quantitative analysis of somatosensory cortex development in eutherians, with a comparison with metatherians and monotremes	Ashwell KW.	2015	Outside of Australia
26	SARS-CoV-2 and COVID-19: A genetic, epidemiological, and evolutionary perspective	Sironi M, Hasnain SE, Rosenthal B, Phan T, Luciani F, Shaw MA, Sallum MA, Mirhashemi ME, Morand S, González-Candelas F; Editors of Infection, Genetics and Evolution.	2020	Outside of Australia
27	Spatiotemporal and demographic variation in the diet of New Zealand lesser short-tailed bats (<i>Mystacina tuberculata</i>)	Czenze ZJ, Tucker JL, Clare EL, Littlefair JE, Hemprich-Bennett D, Oliveira HFM, Brigham RM, Hickey AJR, Parsons S.	2018	Outside of Australia
28	Support for viral persistence in bats from age-specific serology and models of maternal immunity	Peel AJ, Baker KS, Hayman DTS, Broder CC, Cunningham AA, Fooks AR, Garnier R, Wood JLN, Restif O.	2018	Outside of Australia
29	Systems analysis shows that thermodynamic physiological and pharmacological fundamentals drive COVID-19 and response to treatment	Head RJ, Lumbers ER, Jarrott B, Tretter F, Smith G, Pringle KG, Islam S, Martin JH.	2022	Outside of Australia
30	The proximal origin of SARS-CoV-2	Andersen KG, Rambaut A, Lipkin WI, Holmes EC, Garry RF.	2020	Outside of Australia
31	The zoogeography of <i>Polychromophilus</i> and description of a new species of a gregarine (<i>Lankesteria galliardi</i>)	Garnham PC.	1973	Outside of Australia
32	Vampire Venom: Vasodilatory Mechanisms of Vampire Bat (<i>Desmodus rotundus</i>) Blood Feeding	Kakumanu R, Hodgson WC, Ravi R, Alagon A, Harris RJ, Brust A, Alewood PF, Kemp-Harper BK, Fry BG.	2019	Outside of Australia
33	Coccidia of wombats: correction of host-parasite relationships. <i>Eimeria wombati</i> (Gilruth and Bull, 1912) Comb. Nov. and <i>Eimeria ursini</i> Supperer, 1957 from the hairy-nosed wombat and <i>Eimeria arundeli</i> sp. n. from the common wombat	Barker IK, Munday BL, Presidente PJ.	1979	Not on Pteropus Sp.
34	A global synthesis of survival estimates for microbats	Lentini PE, Bird TJ, Griffiths SR, Godinho LN, Wintle BA.	2015	Not on Pteropus Sp.
35	A mass mortality event in bats caused by extreme heat: surprising public health challenges	Merone L, Thirlwell C, Esmonde J, Gair R.	2020	Not on Pteropus Sp.
36	Reproductive biology of the female little mastiff bat, <i>Mormopterus planiceps</i> (Chiroptera: Molossidae) in southeast Australia	Crichton EG, Krutzsch PH.	1987	Not on Pteropus Sp.
37	A Potent Postentry Restriction to Primate Lentiviruses in a Yinpterochiropteran Bat	Morrison JH, Miller C, Bankers L, Cramer G, Wang LF, Poeschla EM.	2020	Not on Pteropus Sp.
38	A review of the circumstances and health-seeking behaviours associated with bat exposures in high-income countries	Wright E, Anuradha S, Richards R, Reid S.	2022	Not on Pteropus Sp.

	Title	Authors	Year	Reason for exclusion
39	Zoonotic disease in Australia caused by a novel member of the paramyxoviridae	Paterson DL, Murray PK, McCormack JG.	1998	Not on Pteropus Sp.
40	Animal and translational models of SARS-CoV-2 infection and COVID-19	Johansen MD, Irving A, Montagutelli X, Tate MD, Rudloff I, Nold MF, Hansbro NG, Kim RY, Donovan C, Liu G, Faiz A, Short KR, Lyons JG, McCaughan GW, Gorrell MD, Cole A, Moreno C, Couteur D, Hesselson D, Triccas J, Neely GG, Gamble JR, Simpson SJ, Saunders BM, Oliver BG, Britton WJ, Wark PA, Nold-Petry CA, Hansbro PM.	2020	Not on Pteropus Sp.
41	Antiviral immune responses of bats: a review	Baker ML, Schountz T, Wang LF.	2013	Not on Pteropus Sp.
42	Sequence analysis of an isolate from a fatal human infection of Australian bat lyssavirus	Warrilow D, Smith IL, Harrower B, Smith GA.	2002	Not on Pteropus Sp.
43	Detection of Australian bat lyssavirus using a fluorogenic probe	Smith IL, Northill JA, Harrower BJ, Smith GA.	2002	Not on Pteropus Sp.
44	Managing emerging diseases borne by fruit bats (flying foxes), with particular reference to henipaviruses and Australian bat lyssavirus	Mackenzie JS, Field HE, Guyatt KJ.	2003	Not on Pteropus Sp.
45	DDT and metabolites residues in the southern bent-wing bat (<i>Miniopterus schreibersii bassanii</i>) of south-eastern Australia	Mispagel C, Allinson M, Allinson G, Iseki N, Grant C, Morita M.	2004	Not on Pteropus Sp.
46	Trends in potential exposure to Australian bat lyssavirus in South East Queensland, 1996 to 2003	Young MK, McCall BJ.	2004	Not on Pteropus Sp.
47	Comparative Transcriptomics Highlights the Role of the Activator Protein 1 Transcription Factor in the Host Response to Ebolavirus	Wynne JW, Todd S, Boyd V, Tachedjian M, Klein R, Shiell B, Dearnley M, McAuley AJ, Woon AP, Purcell AW, Marsh GA, Baker ML.	2017	Not on Pteropus Sp.
48	Torpor and thermal energetics in a tiny Australian vespertilionid, the little forest bat (<i>Vespadelus vulturnus</i>)	Willis CK, Turbill C, Geiser F.	2005	Not on Pteropus Sp.
49	Concentration of astrocytic filaments at the retinal optic nerve junction is coincident with the absence of intra-retinal myelination: comparative and developmental evidence	Morcos Y, Chan-Ling T.	2000	Not on Pteropus Sp.
50	Conservation Values and Risk of Handling Bats: Implications for One Health Communication	Crockford CN, Dean AJ, Reid S, Dean JH.	2018	Not on Pteropus Sp.
51	Organochlorine and trace metal residues in adult southern bent-wing bat (<i>Miniopterus schreibersii bassanii</i>) in southeastern Australia	Allinson G, Mispagel C, Kajiwara N, Anan Y, Hashimoto J, Laurenson L, Allinson M, Tanabe S.	2006	Not on Pteropus Sp.
52	DarkCideS 1.0, a global database for bats in karsts and caves	Tanalgo KC, Tabora JAG, de Oliveira HFM, Haelewaters D, Beranek CT, Otálora-Ardila A, Bernard E, Gonçalves F, Eriksson A, Donnelly M, González JM, Ramos HF, Rivas AC, Webala PW, Deleva S, Dalhoumi R, Maula J, Lizarro D, Aguirre LF, Bouillard N, Quibod MNRM, Barros J, Turcios-Casco MA, Martínez M, Ordoñez-Mazier DI, Orellana JAS, Ordoñez-Trejo EJ, Ordoñez D, Chornelia A, Lu JM, Xing C, Baniya S, Muyllaert RL, Dias-Silva LH, Ruadreo N, Hughes AC.	2022	Not on Pteropus Sp.
53	Desmoteplase: discovery, insights and opportunities for ischaemic stroke	Medcalf RL.	2012	Not on Pteropus Sp.
54	Determining when to change course in management actions	Ng CF, McCarthy MA, Martin TG, Possingham HP.	2014	Not on Pteropus Sp.
55	Development and characterisation of 20 microsatellite loci isolated from the large bent-wing bat, <i>Miniopterus schreibersii</i> (Chiroptera: Miniopteridae) and their cross-taxa utility in the family Miniopteridae	Wood R, Weyeneth N, Appleton B.	2011	Not on Pteropus Sp.

	Title	Authors	Year	Reason for exclusion
56	Development and optimisation of molecular assays for microsatellite genotyping and molecular sexing of non-invasive samples of the ghost bat, <i>Macroderma gigas</i>	Ottewell K, Thavornkanlapachai R, McArthur S, Spencer PBS, Tedeschi J, Durrant B, Knuckey C, Armstrong K, Byrne M.	2020	Not on Pteropus Sp.
57	Development of a fluorogenic RT-PCR assay (TaqMan) for the detection of Hendra virus	Smith IL, Halpin K, Warrilow D, Smith GA.	2001	Not on Pteropus Sp.
58	Development of multiplexed bead arrays for the simultaneous detection of nucleic acid from multiple viruses in bat samples	Boyd V, Smith I, Cramer G, Burroughs AL, Durr PA, White J, Cowled C, Marsh GA, Wang LF.	2015	Not on Pteropus Sp.
59	Dipalmitoylphosphatidylcholine is not the major surfactant phospholipid species in all mammals	Lang CJ, Postle AD, Orgeig S, Possmayer F, Bernhard W, Panda AK, Jürgens KD, Milsom WK, Nag K, Daniels CB.	2005	Not on Pteropus Sp.
60	Thermobiology, energetics and activity patterns of the Eastern tube-nosed bat (<i>Nyctimene robinsoni</i>) in the Australian tropics: effect of temperature and lunar cycle	Riek A, Körtner G, Geiser F.	2010	Not on Pteropus Sp.
61	Embryonic evidence uncovers convergent origins of laryngeal echolocation in bats	Nojiri T, Wilson LAB, López-Aguirre C, Tu VT, Kuratani S, Ito K, Higashiyama H, Son NT, Fukui D, Sadier A, Sears KE, Endo H, Kamihori S, Koyabu D.	2021	Not on Pteropus Sp.
62	Establishment, immortalisation and characterisation of pteropid bat cell lines	Cramer G, Todd S, Grimley S, McEachern JA, Marsh GA, Smith C, Tachedjian M, De Jong C, Virtue ER, Yu M, Bulach D, Liu JP, Michalski WP, Middleton D, Field HE, Wang LF.	2009	Not on Pteropus Sp.
63	Fat and fed: frequent use of summer torpor in a subtropical bat	Stawski C, Geiser F.	2010	Not on Pteropus Sp.
64	Field metabolic rates and water uptake in the blossom-bat <i>Syconycteris australis</i> (Megachiroptera)	Geiser F, Coburn DK.	1999	Not on Pteropus Sp.
65	Foraging ranges of insectivorous bats shift relative to changes in mosquito abundance	Gonsalves L, Law B, Webb C, Monamy V.	2013	Not on Pteropus Sp.
66	Some like it cold: summer torpor by freetail bats in the Australian arid zone	Bondarenco A, Körtner G, Geiser F.	2013	Not on Pteropus Sp.
67	Forest bat population dynamics over 14 years at a climate refuge: Effects of timber harvesting and weather extremes	Law BS, Chidel M, Law PR.	2018	Not on Pteropus Sp.
68	Good governance in 'one health' approaches	Landford J, Nunn M.	2012	Not on Pteropus Sp.
69	Hendra (equine morbillivirus)	Barclay AJ, Paton DJ.	2000	Not on Pteropus Sp.
70	Hendra virus detection using Loop-Mediated Isothermal Amplification	Foord AJ, Middleton D, Heine HG.	2012	Not on Pteropus Sp.
71	Hendra virus vaccine, a one health approach to protecting horse, human, and environmental health	Middleton D, Pallister J, Klein R, Feng YR, Haining J, Arkinstall R, Frazer L, Huang JA, Edwards N, Wareing M, Elhay M, Hashmi Z, Bingham J, Yamada M, Johnson D, White J, Foord A, Heine HG, Marsh GA, Broder CC, Wang LF.	2014	Not on Pteropus Sp.
72	Hendra virus: a highly lethal zoonotic agent	Westbury H.	2000	Not on Pteropus Sp.
73	Henipavirus susceptibility to environmental variables	Fogarty R, Halpin K, Hyatt AD, Daszak P, Mungall BA.	2008	Not on Pteropus Sp.
74	Henipaviruses-unanswered questions of lethal zoonoses	Field H, Kung N.	2011	Not on Pteropus Sp.
75	Indirect ELISA based on Hendra and Nipah virus proteins for the detection of henipavirus specific antibodies in pigs	Fischer K, Diederich S, Smith G, Reiche S, Pinho Dos Reis V, Stroh E, Groschup MH, Weingartl HM, Balkema-Buschmann A.	2018	Not on Pteropus Sp.
76	Intangible and Economic Impacts of Hendra Virus Prevention Strategies	Wilson SJ, Ward MP.	2016	Not on Pteropus Sp.

	Title	Authors	Year	Reason for exclusion
77	Interspecific differences and commonalities in maternity roosting by tree cavity-roosting bats over a maternity season in a timber production landscape	Rueegger N, Law B, Goldingay R.	2018	Not on Pteropus Sp.
78	Isolation of Hendra virus from pteropid bats: a natural reservoir of Hendra virus	Halpin K, Young PL, Field HE, Mackenzie JS.	2000	Not on Pteropus Sp.
79	New insights into the evolution of the Trypanosoma cruzi clade provided by a new trypanosome species tightly linked to Neotropical Pteronotus bats and related to an Australian lineage of trypanosomes	Lima L, Espinosa-Álvarez O, Pinto CM, Cavazzana M Jr, Pavan AC, Carranza JC, Lim BK, Campaner M, Takata CS, Camargo EP, Hamilton PB, Teixeira MM.	2015	Not on Pteropus Sp.
80	Isolation of multiple novel paramyxoviruses from pteropid bat urine	Barr J, Smith C, Smith I, de Jong C, Todd S, Melville D, Broos A, Crameri S, Haining J, Marsh G, Crameri G, Field H, Wang LF.	2015	Not on Pteropus Sp.
81	Larger mammals have longer faces because of size-related constraints on skull form	Cardini A, Polly PD.	2013	Not on Pteropus Sp.
82	Matrix proteins of Nipah and Hendra viruses interact with beta subunits of AP-3 complexes	Sun W, McCrory TS, Khaw WY, Petzing S, Myers T, Schmitt AP.	2014	Not on Pteropus Sp.
83	Persistent infections support maintenance of a coronavirus in a population of Australian bats (Myotis macropus)	Jeong J, Smith CS, Peel AJ, Plowright RK, Kerlin DH, McBroom J, McCallum H.	2017	Not on Pteropus Sp.
84	Flying-foxes in the Australian urban environment- community attitudes and opinions	Kung NY, Field HE, McLaughlin A, Edson D, Taylor M.	2015	Not on Pteropus Sp.
85	Modeling the impact of DNA methylation on the evolution of BRCA1 in mammals	Huttley GA.	2004	Not on Pteropus Sp.
86	Modelling the prey detection performance of Rhinonictis aurantia (Chiroptera: Hipposideridae) in different atmospheric conditions discounts the notional role of relative humidity in adaptive evolution	Armstrong KN, Kerry LJ.	2011	Not on Pteropus Sp.
87	Mosquito consumption by insectivorous bats: does size matter?	Gonsalves L, Bicknell B, Law B, Webb C, Monamy V.	2013	Not on Pteropus Sp.
88	Mouse fibroblast L929 cells are less permissive to infection by Nelson Bay orthoreovirus compared to other mammalian cell lines	Mok L, Wynne JW, Grimley S, Shiell B, Green D, Monaghan P, Pallister J, Bacic A, Michalski WP.	2015	Not on Pteropus Sp.
89	Nelson Bay virus. A novel reovirus	Gard GP, Marshall ID.	1973	Not on Pteropus Sp.
90	Novel passive detection approach reveals low breeding season survival and apparent lactation cost in a critically endangered cave bat	van Harten E, Lawrence R, Lumsden LF, Reardon T, Prowse TAA.	2022	Not on Pteropus Sp.
91	Characterization of Teviot virus, an Australian bat-borne paramyxovirus	Johnson RI, Tachedjian M, Clayton BA, Layton R, Bergfeld J, Wang LF, Marsh GA.	2019	Not on Pteropus Sp.
92	Pathogen spillover driven by rapid changes in bat ecology	Eby P, Peel AJ, Hoegh A, Madden W, Giles JR, Hudson PJ, Plowright RK.	2023	Not on Pteropus Sp.
93	Postcranial heterochrony, modularity, integration and disparity in the prenatal ossification in bats (Chiroptera)	López-Aguirre C, Hand SJ, Koyabu D, Son NT, Wilson LAB.	2019	Not on Pteropus Sp.
94	Prenatal Developmental Trajectories of Fluctuating Asymmetry in Bat Humeri	López-Aguirre C, Hand SJ, Koyabu D, Tu VT, Wilson LAB.	2021	Not on Pteropus Sp.
95	Prey removal in cotton crops next to woodland reveals periodic diurnal and nocturnal invertebrate predation gradients from the crop edge by birds and bats	Kolkert HL, Smith R, Rader R, Reid N.	2021	Not on Pteropus Sp.
96	Identification of focus areas for Australian Bat Lyssavirus potential exposure prevention in the Metro North Hospital and Health Service region	May F, Mann K, Francis D, Young M.	2020	Not on Pteropus Sp.

	Title	Authors	Year	Reason for exclusion
97	Review of bats and SARS	Wang LF, Shi Z, Zhang S, Field H, Daszak P, Eaton BT.	2006	Not on Pteropus Sp.
98	Risk Mitigation of Emerging Zoonoses: Hendra Virus and Non-Vaccinating Horse Owners	Manyweathers J, Field H, Jordan D, Longnecker N, Agho K, Smith C, Taylor M.	2017	Not on Pteropus Sp.
99	Seasonal reproduction and host infestation rates for nycteribiids of the large bentwing bat	Archer MS, Cardinal BR.	2001	Not on Pteropus Sp.
100	Isolation and Characterization of Cross-Reactive Human Monoclonal Antibodies That Potently Neutralize Australian Bat Lyssavirus Variants and Other Phylogroup 1 Lyssaviruses	Weir DL, Coggins SA, Vu BK, Coertse J, Yan L, Smith IL, Laing ED, Markotter W, Broder CC, Schaefer BC.	2021	Not on Pteropus Sp.
101	Species management benchmarking: outcomes over outputs in a changing operating environment	Hogg CJ, Hibbard C, Ford C, Embury A.	2013	Not on Pteropus Sp.
102	Testicular migration, spermatogenesis, temperature regulation and environment of the sheath-tail bat, <i>Taphozous georgianus</i>	Jolly SE, Blackshaw AW.	1988	Not on Pteropus Sp.
103	The "minimal boundary curve for endothermy" as a predictor of heterothermy in mammals and birds: a review	Cooper CE, Geiser F.	2008	Not on Pteropus Sp.
104	The Batty Effect: Victim-Survivors and Domestic and Family Violence Policy Change	Wheildon LJ, True J, Flynn A, Wild A.	2022	Not on Pteropus Sp.
105	The relationship between body mass and rate of rewarming from hibernation and daily torpor in mammals	Geiser F, Baudinette RV.	1990	Not on Pteropus Sp.
106	Novel Hendra Virus Variant Detected by Sentinel Surveillance of Horses in Australia	Annand EJ, Horsburgh BA, Xu K, Reid PA, Poole B, de Kantzow MC, Brown N, Tweedie A, Michie M, Grewar JD, Jackson AE, Singanallur NB, Plain KM, Kim K, Tachedjian M, van der Heide B, Crameri S, Williams DT, Secombe C, Laing ED, Sterling S, Yan L, Jackson L, Jones C, Plowright RK, Peel AJ, Breed AC, Diallo I, Dhand NK, Britton PN, Broder CC, Smith I, Eden JS.	2022	Not on Pteropus Sp.
107	Thermal physiology of pregnant and lactating female and male long-eared bats, <i>Nyctophilus geoffroyi</i> and <i>N. gouldi</i>	Turbill C, Geiser F.	2006	Not on Pteropus Sp.
108	Transmission or Within-Host Dynamics Driving Pulses of Zoonotic Viruses in Reservoir-Host Populations	Plowright RK, Peel AJ, Streicker DG, Gilbert AT, McCallum H, Wood J, Baker ML, Restif O.	2016	Not on Pteropus Sp.
109	Vaccines to Emerging Viruses: Nipah and Hendra	Amaya M, Broder CC.	2020	Not on Pteropus Sp.
110	Seasonal changes in testicular size, plasma testosterone concentration and body weight in captive flying foxes (<i>Pteropus poliocephalus</i> and <i>P. scapulatus</i>)	McGuckin MA, Blackshaw AW.	1991	No mention of age or ageing methods
111	Mating-associated peak in plasma testosterone concentration in wild male grey-headed flying foxes (<i>Pteropus poliocephalus</i>)	McGuckin MA, Blackshaw AW.	1991	No mention of age or ageing methods
112	Comparative morphology of the pituitary gland in Australian flying foxes (Megachiroptera: genus <i>Pteropus</i>)	O'Brien GM.	1996	No mention of age or ageing methods
113	Australian bat lyssavirus infection in three fruit bats from north Queensland	Speare R, Skerratt L, Foster R, Berger L, Hooper P, Lunt R, Blair D, Hansman D, Goulet M, Cooper S.	1997	No mention of age or ageing methods
114	Bat responses to climate change: a systematic review	Festa F, Ancillotto L, Santini L, Pacifici M, Rocha R, Toshkova N, Amorim F, Benítez-López A, Domer A, Hamidović D, Kramer-Schadt S, Mathews F, Radchuk V, Rebelo H, Ruczynski I, Solem E, Tsoar A, Russo D, Razgour O.	2023	No mention of age or ageing methods
115	Bryophyte dispersal by flying foxes: a novel discovery	Parsons JG, Cairns A, Johnson CN, Robson SK, Shilton LA, Westcott DA.	2007	No mention of age or ageing methods

	Title	Authors	Year	Reason for exclusion
116	Emerging tropical diseases in Australia. Part 5. Hendra virus	Tulsiani SM, Graham GC, Moore PR, Jansen CC, Van Den Hurk AF, Moore FA, Simmons RJ, Craig SB.	2011	No mention of age or ageing methods
117	Ecological aspects of hendra virus	Field H, Cramer G, Kung NY, Wang LF.	2012	No mention of age or ageing methods
118	Emerging henipaviruses and flying foxes - Conservation and management perspectives	Breed AC, Field HE, Epstein JH, Daszak P.	2006	No mention of age or ageing methods
119	Experimental hendra virus infection in pregnant guinea-pigs and fruit Bats (<i>Pteropus poliocephalus</i>)	Williamson MM, Hooper PT, Selleck PW, Westbury HA, Slocombe RF.	2000	No mention of age or ageing methods
120	Purification and characterisation of immunoglobulins from the Australian black flying fox (<i>Pteropus alecto</i>) using anti-fab affinity chromatography reveals the low abundance of IgA	Wynne JW, Di Rubbo A, Shiell BJ, Beddome G, Cowled C, Peck GR, Huang J, Grimley SL, Baker ML, Michalski WP.	2013	No mention of age or ageing methods
121	Fundamental Characteristics of Bat Interferon Systems	Clayton E, Munir M.	2020	No mention of age or ageing methods
122	Patent <i>Angiostrongylus mackerrasae</i> infection in a black flying fox (<i>Pteropus alecto</i>)	Mackie JT, Lacasse C, Spratt DM.	2013	No mention of age or ageing methods
123	Spatial dynamics of pathogen transmission in communally roosting species: Impacts of changing habitats on bat-virus dynamics	Lunn TJ, Peel AJ, McCallum H, Eby P, Kessler MK, Plowright RK, Restif O.	2021	No mention of age or ageing methods
124	The pelage of bats (Chiroptera) and the presence of aerodynamic riblets: the effect on aerodynamic cleanliness	Bullen RD, McKenzie NL.	2008	No mention of age or ageing methods
125	A new Hendra virus genotype found in Australian flying foxes	Wang J, Anderson DE, Halpin K, Hong X, Chen H, Walker S, Valdeter S, van der Heide B, Neave MJ, Bingham J, O'Brien D, Eagles D, Wang LF, Williams DT.	2021	No mention of age or ageing methods
126	Toxocariasis--an unlikely cause of Palm Island mystery disease	Prociv P, Moorhouse DE, Wah MJ.	1986	No mention of age or ageing methods
127	Experimental Nipah virus infection in pteropid bats (<i>Pteropus poliocephalus</i>)	Middleton DJ, Morrissy CJ, van der Heide BM, Russell GM, Braun MA, Westbury HA, Halpin K, Daniels PW.	2007	Age classes used but not described
128	Species Traits and Hotspots Associated with Ross River Virus Infection in Nonhuman Vertebrates in South East Queensland	Skinner EB, Rudd PA, Peel AJ, McCallum H, Reid SA, Herrero LJ.	2021	Age classes used but not described
129	Transmission of Japanese Encephalitis virus from the black flying fox, <i>Pteropus alecto</i> , to <i>Culex annulirostris</i> mosquitoes, despite the absence of detectable viremia	van den Hurk AF, Smith CS, Field HE, Smith IL, Northill JA, Taylor CT, Jansen CC, Smith GA, Mackenzie JS.	2009	Age classes used but not described
130	Skin disease in captive bats: results of an online survey of zoos and rehabilitators in Europe, North America and Australasia	Fountain KI, Stevens KB, Lloyd DH, Loeffler A.	2017	Age classes used but not described
131	Long-distance and frequent movements of the flying-fox <i>Pteropus poliocephalus</i> : implications for management	Roberts BJ, Catterall CP, Eby P, Kanowski J.	2012	Age classes used but not described

Table S3. Details of Web of Science sources excluded from the review and their exclusion criteria.

	Title	Authors	Year	Reason for exclusion
1	ROOSTING PATTERN AND REPRODUCTIVE CYCLE OF BONIN FLYING FOXES (PTEROPUS PSELAPHON)	Sugita, N; Inaba, M; Ueda, K	2009	Outside of Australia
2	A new eastern limit of the Pacific Flying Fox, <i>Pteropus tonganus</i> (Chiroptera : Pteropodidae), in prehistoric polynesia: A case of possible human transport and extirpation	Weisler, MI; Bollt, R; Findlater, A	2006	Outside of Australia
3	Island Flying Foxes - an Insight into Hendra Virus Persistence?	Field, H; de Jong, C; Smith, C	2011	Outside of Australia
4	Agricultural intensification, priming for persistence and the emergence of Nipah virus: a lethal bat-borne zoonosis	Pulliam, JRC; Epstein, JH; Dushoff, J; Rahman, SA; Bunning, M; Jamaluddin, AA; Hyatt, AD; Field, HE; Dobson, AP; Daszak, P	2012	Outside of Australia
5	Disentangling serology to elucidate henipa- and filovirus transmission in Madagascar fruit bats	Brook, CE; Ranaivoson, HC; Broder, CC; Cunningham, AA; Heraud, JM; Peel, AJ; Gibson, L; Wood, JLN; Metcalf, CJ; Dobson, AP	2019	Outside of Australia
6	Generation of Tioman virus nucleocapsid-like particles in yeast <i>Saccharomyces cerevisiae</i>	Petraityte, R; Tamosiunas, PL; Juozapaitis, M; Zvirbliene, A; Sasnauskas, K; Shiell, B; Russell, G; Bingham, J; Michalski, WP	2009	Outside of Australia
7	A Novel Framework for Online Amnesic Trajectory Compression in Resource-Constrained Environments	Liu, JJ; Zhao, K; Sommer, P; Shang, S; Kusy, B; Lee, JG; Jurdak, R	2016	Outside of Australia
8	Possible roles of introduced plants for native vertebrate conservation: the case of Madagascar	Gerard, A; Ganzhorn, JU; Kull, CA; Carriere, SM	2015	Outside of Australia
9	Nipah virus dynamics in bats and implications for spillover to humans	Epstein, JH; Anthony, SJ; Islam, A; Kilpatrick, AM; Khan, SA; Balkey, MD; Ross, N; Smith, I; Zambrana-Torrel, C; Tao, Y; Islam, A; Quan, PL; Olival, KJ; Khan, MSU; Gurley, ES; Hossein, MJ; Field, HE; Fielder, MD; Briesse, T; Rahman, M; Broder, CC; Cramer, G; Wang, LF; Luby, SP; Lipkin, WI; Daszak, P	2020	Outside of Australia
10	Risk Factors for Nipah Virus Infection among Pteropid Bats, Peninsular Malaysia	Rahman, SA; Hassan, L; Epstein, JH; Mamat, ZC; Yatim, AM; Hassan, SS; Field, HE; Hughes, T; Westrum, J; Naim, MS; Suri, AS; Jamaluddin, AA; Daszak, P	2013	Outside of Australia
11	Date Palm Sap Linked to Nipah Virus Outbreak in Bangladesh, 2008	Rahman, MA; Hossain, MJ; Sultana, S; Homaira, N; Khan, SU; Rahman, M; Gurley, ES; Rollin, PE; Lo, MK; Comer, JA; Lowe, L; Rota, PA; Ksiazek, TG; Kenah, E; Sharker, Y; Luby, SP	2012	Outside of Australia
12	Genetic diversity of Nipah virus in Bangladesh	Rahman, MZ; Islam, MM; Hossain, ME; Rahman, MM; Islam, A; Siddika, A; Hossain, MSS; Sultana, S; Islama, A; Rahman, M; Klena, JD; Flora, MS; Daszak, P; Epstein, JH; Luby, SP; Gurley, ES	2021	Outside of Australia
13	Can survival analyses detect hunting pressure in a highly connected species? Lessons from straw-coloured fruit bats	Hayman, DTS; Peel, AJ	2016	Outside of Australia
14	Isolation and Full-Genome Characterization of Nipah Viruses from Bats, Bangladesh	Anderson, DE; Islam, A; Cramer, G; Todd, S; Islam, A; Khan, SU; Foord, A; Rahman, MZ; Mendenhall, IH; Luby, SP; Gurley, ES; Daszak, P; Epstein, JH; Wang, LF	2019	Outside of Australia
15	Systematics of the Pacific monkey-faced bats (Chiroptera : Pteropodidae), with a new species of <i>Pteralopex</i> and a new Fijian genus	Helgen, KM	2005	Outside of Australia
16	Development of an Acute and Highly Pathogenic Nonhuman Primate Model of Nipah Virus Infection	Geisbert, TW; Daddario-DiCaprio, KM; Hickey, AC; Smith, MA; Chan, YP; Wang, LF; Mattapallil, JJ; Geisbert, JB; Bossart, KN; Broder, CC	2010	Outside of Australia
17	Nipah virus: epidemiology, pathology, immunobiology and advances in diagnosis, vaccine designing and control strategies - a comprehensive review	Singh, RK; Dhama, K; Chakraborty, S; Tiwari, R; Natesan, S; Khandia, R; Munjal, A; Vora, KS; Latheef, SK; Karthik, K; Malik, YS; Singh, R; Chaicumpa, W; Mourya, DT	2019	Outside of Australia
18	Epidemiology and Molecular Characterization of Rotavirus A in Fruit Bats in Bangladesh	Islam, A; Hossain, ME; Rostal, MK; Ferdous, J; Islam, A; Hasan, R; Miah, M; Rahman, M; Rahman, MZ; Daszak, P; Epstein, JH	2020	Outside of Australia
19	Nipah Virus Detection at Bat Roosts after Spillover Events, Bangladesh, 2012-2019	McKee, CD; Islam, A; Rahman, MZ; Khan, SU; Rahman, M; Satter, SM; Islam, A; Yinda, CK; Epstein, JH; Daszak, P; Munster, VJ; Hudson, PJ; Plowright, RK; Luby, SP; Gurley, ES	2022	Outside of Australia
20	A framework for the study of zoonotic disease emergence and its drivers: spillover of bat pathogens as a case study	Wood, JLN; Leach, M; Waldman, L; MacGregor, H; Fooks, AR; Jones, KE; Restif, O; Dechmann, D; Hayman, DTS; Baker, KS; Peel, AJ; Kamins, AO; Fahr, J; Ntiamoa-Baidu, Y; Suu-Ire, R; Breiman, RF; Epstein, JH; Field, HE; Cunningham, AA	2012	Outside of Australia
21	Motivations and characteristics of volunteer flying-fox rehabilitators in Australia	Markus, N; Blackshaw, JK	1998	Not on <i>Pteropus</i> Sp.
22	Mammalian herbivores in Australia transport nutrients from terrestrial to marine ecosystems via mangroves	Reef, R; Feller, IC; Lovelock, CE	2014	Not on <i>Pteropus</i> Sp.
23	Epidemiology and control of Menangle virus in pigs	Kirkland, PD; Love, RJ; Philbey, AW; Ross, AD; Davis, RJ; Hart, KG	2001	Not on <i>Pteropus</i> Sp.

	Title	Authors	Year	Reason for exclusion
24	Grumpy about this dark age of modernity	Rose, D	2013	Not on Pteropus Sp.
25	Managing the risk of Hendra virus spillover in Australia using ecological approaches: A report on three community juries	Degeling, C; Gilbert, GL; Annand, E; Taylor, M; Walsh, MG; Ward, MP; Wilson, A; Johnson, J	2018	Not on Pteropus Sp.
26	Nimbyism and Nature: Whose Backyard Is It Anyway?	Scott, J; Kikken, M; Rose, M; Colyer, P	2016	Not on Pteropus Sp.
27	An outbreak of Salmonella Typhimurium 9 at a school camp linked to contamination of rainwater tanks	Franklin, LJ; Fielding, JE; Gregory, J; Gullan, L; Lightfoot, D; Poznanski, SY; Vally, H	2009	Not on Pteropus Sp.
28	Adolescents' ratings of features of parks that encourage park visitation and physical activity	Veitch, J; Salmon, J; Parker, K; Bangay, S; Deforche, B; Timperio, A	2016	Not on Pteropus Sp.
29	Understanding human - bat interactions in NSW, Australia: improving risk communication for prevention of Australian bat lyssavirus	Quinn, EK; Massey, PD; Cox-Witton, K; Paterson, BJ; Eastwood, K; Durrheim, DN	2014	Not on Pteropus Sp.
30	Hendra Virus	Middleton, D	2014	Not on Pteropus Sp.
31	Hendra virus: an emerging paramyxovirus in Australia	Mahalingam, S; Herrero, LJ; Playford, EG; Spann, K; Herring, B; Rolph, MS; Middleton, D; McCall, B; Field, H; Wang, LF	2012	Not on Pteropus Sp.
32	Blind to bats Traditional prejudices and today's bad press render bats invisible to public consciousness	Lunney, D; Moon, C	2011	Not on Pteropus Sp.
33	Power Management for Long-Term Sensing Applications with Energy Harvesting	Sommer, P; Kusy, B; Jurdak, R	2013	Not on Pteropus Sp.
34	Hendra Virus Spillover is a Bimodal System Driven by Climatic Factors	Martin, G; Yanez-Arenas, C; Plowright, RK; Chen, C; Roberts, B; Skerratt, LF	2018	Not on Pteropus Sp.
35	Hendra and Nipah viruses: Pathogenesis and therapeutics	Eaton, BT; Broder, CC; Wang, LF	2005	Not on Pteropus Sp.
36	Microclimates Might Limit Indirect Spillover of the Bat Borne Zoonotic Hendra Virus	Martin, G; Webb, RJ; Chen, C; Plowright, RK; Skerratt, LF	2017	Not on Pteropus Sp.
37	Geophysical Exploration for Nickel Sulfide Mineralization in the Yilgarn Craton	Peters, WS	2006	Not on Pteropus Sp.
38	Sensory Rewiring in an Echolocator: Genome-Wide Modification of Retinogenic and Auditory Genes in the Bat Myotis davidii	Hudson, NJ; Baker, ML; Hart, NS; Wynne, JW; Gu, Q; Huang, ZY; Zhang, GJ; Ingham, AB; Wang, LF; Reverter, A	2014	Not on Pteropus Sp.
39	Hendra virus: Epidemiology dynamics in relation to climate change, diagnostic tests and control measures	Yuen, KY; Fraser, NS; Henning, J; Halpin, K; Gibson, JS; Betzien, L; Stewart, AJ	2021	Not on Pteropus Sp.
40	Relationship between microstructures and grain-scale trace element distribution in komatiite-hosted magmatic sulphide ores	Vukmanovic, Z; Reddy, SM; Godel, B; Barnes, SJ; Fiorentini, ML; Barnes, SJ; Kilburn, MR	2014	Not on Pteropus Sp.
41	Cross sectional survey of human-bat interaction in Australia: public health implications	Paterson, BJ; Butler, MT; Eastwood, K; Cashman, PM; Jones, A; Durrheim, DN	2014	Not on Pteropus Sp.
42	Circulating microRNA profiles of Hendra virus infection in horses	Cowled, C; Foo, CH; Deffrasnes, C; Rootes, CL; Williams, DT; Middleton, D; Wang, LF; Bean, AGD; Stewart, CR	2017	Not on Pteropus Sp.
43	The critical importance of an ecological conscience	Lunney, D; Recher, HF; Hutchings, P	2013	Not on Pteropus Sp.
44	Genetic characterization of a novel G3P[14] rotavirus strain causing gastroenteritis in 12 year old Australian child	Donato, CM; Manuelpillai, NM; Cowley, D; Roczo-Farkas, S; Buttery, JP; Crawford, NW; Kirkwood, CD	2014	Not on Pteropus Sp.
45	Australian horse owners and their biosecurity practices in the context of Hendra virus	Wiethoelter, AK; Schembri, N; Dhand, NK; Sawford, K; Taylor, MR; Moloney, B; Wright, T; Kung, N; Field, HE; Toribio, JALML	2017	Not on Pteropus Sp.
46	We've learned to live with it-A qualitative study of Australian horse owners' attitudes, perceptions and practices in response to Hendra virus	Wiethoelter, AK; Sawford, K; Schembri, N; Taylor, MR; Dhand, NK; Moloney, B; Wright, T; Kung, N; Field, HE; Toribio, JALML	2017	Not on Pteropus Sp.
47	Process mineralogy of Forrestania nickel sulphides, Forrestania, WA	Sotka, P	1996	Not on Pteropus Sp.
48	Structural characterization by transmission electron microscopy and immunoreactivity of recombinant Hendra virus nucleocapsid protein expressed and purified from Escherichia coli	Pearce, LA; Yu, M; Waddington, LJ; Barr, JA; Scoble, JA; Cramer, GS; McKinstry, WJ	2015	Not on Pteropus Sp.
49	Use of a multi-criteria analysis framework to inform the design of risk based general surveillance systems for animal disease in Australia	East, JJ; Wicks, RM; Martin, PAJ; Sergeant, ESG; Randall, LA; Garner, MG	2013	Not on Pteropus Sp.
50	Climate Change Enhances the Potential Impact of Infectious Disease and Harvest on Tropical Waterfowl	Traill, LW; Bradshaw, CJA; Field, HE; Brook, BW	2009	Not on Pteropus Sp.

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51	Ghost bats exhibit informative daily and seasonal temporal patterns in the production of social vocalisations	Hanrahan, N; Turbill, C; Armstrong, KN; Dalziell, AH; Welbergen, JA	2019	Not on Pteropus Sp.
52	Hendra virus and Nipah virus animal vaccines	Broder, CC; Weir, DL; Reid, PA	2016	Not on Pteropus Sp.
53	Production of beta-methylamino-L-alanine (BMAA) and Its Isomers by Freshwater Diatoms	Violi, JP; Facey, JA; Mitrovic, SM; Colville, A; Rodgers, KJ	2019	Not on Pteropus Sp.
54	Animal genomics in natural reservoirs of infectious diseases	Cowled, C; Wang, LF	2016	Not on Pteropus Sp.
55	Design and evaluation of consensus PCR assays for henipaviruses	Feldman, KS; Foord, A; Heine, HG; Smith, IL; Boyd, V; Marsh, GA; Wood, JLN; Cunningham, AA; Wang, LF	2009	Not on Pteropus Sp.
56	Flowering phenology of myrtaceous trees and their relation to climatic, environmental and disturbance variables in northern New South Wales	Law, B; Mackowski, C; Schoer, L; Tweedie, T	2000	Not on Pteropus Sp.
57	Analysis of DNA methylation associates the cystine-glutamate antiporter SLC7A11 with risk of Parkinson's disease	Vallerga, CL; Zhang, FT; Fowdar, J; McRae, AF; Qi, T; Nabais, MF; Zhang, Q; Kassam, I; Henders, AK; Wallace, L; Montgomery, G; Chuang, YH; Horvath, S; Ritz, B; Halliday, G; Hickie, I; Kwok, JB; Pearson, J; Pitcher, T; Kennedy, M; Bentley, SR; Silburn, PA; Yang, J; Wray, NR; Lewis, SJG; Anderson, T; Dalrymple-Alford, J; Mellick, GD; Visscher, PM; Gratten, J	2020	Not on Pteropus Sp.
58	The diet of the common blossom bat (<i>Syconycteris australis</i>) in upland tropical rainforest and the importance of riparian areas	Law, BS	2001	Not on Pteropus Sp.
59	Henipavirus: A Review of Laboratory Animal Pathology	Williamson, MM; Torres-Velez, FJ	2010	Not on Pteropus Sp.
60	Mechanisms for acute changes in sensory maps	Calford, MB	2002	Not on Pteropus Sp.
61	Nectar-feeding bird and bat niches in two worlds: pantropical comparisons of vertebrate pollination systems	Fleming, TH; Muchhala, N	2008	Not on Pteropus Sp.
62	Biodiversity	O'Riordan, T	2008	Not on Pteropus Sp.
63	Tools to study pathogen-host interactions in bats	Banerjee, A; Misra, V; Schountz, T; Baker, ML	2018	Not on Pteropus Sp.
64	Bat conservation and zoonotic disease risk: a research agenda to prevent misguided persecution in the aftermath of COVID-19	Rocha, R; Aziz, SA; Brook, CE; Carvalho, WD; Cooper-Bohannon, R; Frick, WF; Huang, JCC; Kingston, T; Lopez-Baucells, A; Maas, B; Mathews, F; Medellin, RA; Olival, KJ; Peel, AJ; Plowright, RK; Razgour, O; Rebelo, H; Rodrigues, L; Rossiter, SJ; Russo, D; Straka, TM; Teeling, EC; Treuer, T; Voigt, CC; Webala, PW	2021	Not on Pteropus Sp.
65	Bats Without Borders: Long-Distance Movements and Implications for Disease Risk Management	Breed, AC; Field, HE; Smith, CS; Edmonston, J; Meers, J	2010	No mention of age or ageing methods
66	Hendra and Nipah Viruses	Clayton, BA; Smith, IL; Marsh, GA	2016	No mention of age or ageing methods
67	Henipaviruses: An Updated Review Focusing on the Pteropid Reservoir and Features of Transmission	Clayton, BA; Wang, LF; Marsh, GA	2013	No mention of age or ageing methods
68	Characterisation of novel microRNAs in the Black flying fox (<i>Pteropus alecto</i>) by deep sequencing	Cowled, C; Stewart, CR; Likic, VA; Friedlander, MR; Tachedjian, M; Jenkins, KA; Tizard, ML; Cottee, P; Marsh, GA; Zhou, P; Baker, ML; Bean, AG; Wang, LF	2014	No mention of age or ageing methods
69	Collection, seminal characteristics and chilled storage of spermatozoa from three species of free-range flying fox (<i>Pteropus</i> spp.)	de Jong, CE; Jonsson, N; Field, H; Smith, C; Crichton, EG; Phillips, N; Johnston, SD	2005	No mention of age or ageing methods
70	Flying-Fox Roost Disturbance and Hendra Virus Spillover Risk	Edson, D; Field, H; McMichael, L; Jordan, D; Kung, N; Mayer, D; Smith, C	2015	No mention of age or ageing methods
71	Understanding the interaction between henipaviruses and their natural host, fruit bats: Paving the way toward control of highly lethal infection in humans	Enchery, F; Horvat, B	2017	No mention of age or ageing methods
72	Duration of Maternal Antibodies against Canine Distemper Virus and Hendra Virus in Pteropid Bats	Epstein, JH; Baker, ML; Zambrana-Torrel, C; Middleton, D; Barr, JA; DuBovi, E; Boyd, V; Pope, B; Todd, S; Cramer, G; Walsh, A; Pelican, K; Fielder, MD; Davies, AJ; Wang, LF; Daszak, P	2013	No mention of age or ageing methods
73	Hendra Virus Infection Dynamics in Australian Fruit Bats	Field, H; de Jong, C; Melville, D; Smith, C; Smith, I; Broos, A; Kung, YH; McLaughlin, A; Zeddeman, A	2011	No mention of age or ageing methods
74	Hendra virus ecology and transmission	Field, HE	2016	No mention of age or ageing methods
75	Demographic indications of decline in the spectacled flying fox (<i>Pteropus conspicillatus</i>) on the Atherton Tablelands of northern Queensland	Fox, S; Luly, J; Mitchell, C; Maclean, J; Westcott, DA	2008	No mention of age or ageing methods

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76	Environmental drivers of spatiotemporal foraging intensity in fruit bats and implications for Hendra virus ecology	Giles, JR; Eby, P; Parry, H; Peel, AJ; Plowright, RK; Westcott, DA; McCallum, H	2018	No mention of age or ageing methods
77	Models of Eucalypt phenology predict bat population flux	Giles, JR; Plowright, RK; Eby, P; Peel, AJ; McCallum, H	2016	No mention of age or ageing methods
78	Phenotypic and functional characterization of the major lymphocyte populations in the fruit-eating bat <i>Pteropus alecto</i>	Gomez, JMM; Periasamy, P; Dutertre, CA; Irving, AT; Ng, JHJ; Cramer, G; Baker, ML; Ginhoux, F; Wang, LF; Alonso, S	2016	No mention of age or ageing methods
79	Pteropid Bats are Confirmed as the Reservoir Hosts of Henipaviruses: A Comprehensive Experimental Study of Virus Transmission	Halpin, K; Hyatt, AD; Fogarty, R; Middleton, D; Bingham, J; Epstein, JH; Rahman, SA; Hughes, T; Smith, C; Field, HE; Daszak, P	2011	No mention of age or ageing methods
80	Does the visual system of the flying fox resemble that of primates? the distribution of calcium-binding proteins in the primary visual pathway of <i>Pteropus poliocephalus</i>	Ichida, JM; Rosa, MGP; Casagrande, VA	2000	No mention of age or ageing methods
81	The persistence of a SIR disease in a metapopulation: Hendra virus epidemics in Australian black flying foxes (<i>Pteropus alecto</i>)	Jeong, J; McCallum, H	2021	No mention of age or ageing methods
82	Using Stochastic Modeling to Predict the Effect of Culling and Colony Dispersal of Bats on Zoonotic Viral Epidemics	Jeong, J; McCallum, H	2021	No mention of age or ageing methods
83	Changing resource landscapes and spillover of henipaviruses	Kessler, MK; Becker, DJ; Peel, AJ; Justice, NV; Lunn, T; Crowley, DE; Jones, DN; Eby, P; Sanchez, CA; Plowright, RK	2018	No mention of age or ageing methods
84	Interhemispheric connections of somatosensory cortex in the flying fox	Krubitzer, L; Clarey, JC; Tweedale, R; Calford, MB	1998	No mention of age or ageing methods
85	Enhanced Autophagy Contributes to Reduced Viral Infection in Black Flying Fox Cells	Laing, ED; Sterling, SL; Weir, DL; Beauregard, CR; Smith, IL; Larsen, SE; Wang, LF; Snow, AL; Schaefer, BC; Broder, CC	2019	No mention of age or ageing methods
86	Henipavirus Immune Evasion and Pathogenesis Mechanisms: Lessons Learnt from Natural Infection and Animal Models	Lawrence, P; Escudero-Perez, B	2022	No mention of age or ageing methods
87	An architectonic comparison of the ventrobasal complex of two Megachiropteran and one Microchiropteran bat: implications for the evolution of Chiroptera	Manger, PR; Collins, R; Rosa, MGP	2001	No mention of age or ageing methods
88	Somatotopic organization and cortical projections of the ventrobasal complex of the flying fox: an inverted wing representation in the thalamus	Manger, PR; Rosa, MGP; Collins, R	2001	No mention of age or ageing methods
89	Hendra virus survival does not explain spillover patterns and implicates relatively direct transmission routes from flying foxes to horses	Martin, G; Plowright, R; Chen, C; Kault, D; Selleck, P; Skerratt, LF	2015	No mention of age or ageing methods
90	Climate Change Could Increase the Geographic Extent of Hendra Virus Spillover Risk	Martin, G; Yanez-Arenas, C; Chen, C; Plowright, RK; Webb, RJ; Skerratt, LF	2018	No mention of age or ageing methods
91	Bats as reservoirs of antibiotic resistance determinants: A survey of class 1 integrons in Grey-headed Flying Foxes (<i>Pteropus poliocephalus</i>)	McDougall, F; Boardman, W; Gillings, M; Power, M	2019	No mention of age or ageing methods
92	EFFECTS OF PHOTOPERIOD ON THE REPRODUCTIVE PHYSIOLOGY OF MALE FLYING FOXES, <i>PTEROPUS-POLIOCEPHALUS</i>	MCGUCKIN, MA; BLACKSHAW, AW	1992	No mention of age or ageing methods
93	Semen collection, ejaculate characteristics and in vitro manipulation of spermatozoa from six species of captive flying-fox (<i>Pteropus</i> spp.)	Melville, DF; Crichton, EG; Johnston, SD	2015	No mention of age or ageing methods
94	PHARMACOLOGICAL STIMULATION OF OVULATION IN THE BLACK FLYING-FOX (<i>PTEROPUS ALECTO</i>)	Melville, DF; Crichton, EG; O'Brien, GM; Johnston, SD	2009	No mention of age or ageing methods
95	Collection of semen by manual stimulation and ejaculate characteristics of the black flying-fox (<i>Pteropus alecto</i>)	Melville, DF; Crichton, EG; Paterson-Wimberley, T; Johnston, SD	2008	No mention of age or ageing methods
96	Reproductive seasonality and the effect of the GnRH agonist deslorelin as a contraceptive in captive male Black Flying-foxes (<i>Pteropus alecto</i>)	Melville, DF; O'Brien, GM; Crichton, EG; Theilemann, P; McKinnon, A; Johnston, SD	2012	No mention of age or ageing methods
97	The novel reproductive biology of the female flying-fox and its implications for the successful development of an artificial insemination programme	Melville, DF; O'Brien, GM; Johnston, SD	2011	No mention of age or ageing methods
98	A review of intervention methods used to reduce flying-fox mortalities in heat stress events	Mo, M; Roache, M	2021	No mention of age or ageing methods
99	Evolution and comparative analysis of the bat MHC-I region	Ng, JHJ; Tachedjian, M; Deakin, J; Wynne, JW; Cui, J; Haring, V; Broz, I; Chen, HL; Belov, K; Wang, LF; Baker, ML	2016	No mention of age or ageing methods

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100	Phenotypic plasticity of flying-fox reproduction aligns the genome-encoded rhythm to environmental conditions	O'Brien, GM	2011	No mention of age or ageing methods
101	SEASONAL REPRODUCTION IN FLYING FOXES, REVIEWED IN THE CONTEXT OF OTHER TROPICAL MAMMALS	OBRIEN, GM	1993	No mention of age or ageing methods
102	EFFECT OF PHOTOPERIOD ON THE ANNUAL CYCLE OF TESTIS GROWTH IN A TROPICAL MAMMAL, THE LITTLE RED FLYING FOX, PTEROPUS-SCAPULATUS	OBRIEN, GM; CURLEWIS, JD; MARTIN, L	1993	No mention of age or ageing methods
103	Conditions affecting the timing and magnitude of Hendra virus shedding across pteropodid bat populations in Australia	Paez, DJ; Giles, J; McCallum, H; Field, H; Jordan, D; Peel, AJ; Plowright, RK	2017	No mention of age or ageing methods
104	Seasonal roosts and foraging movements of the black flying fox (<i>Pteropus alecto</i>) in the Northern Territory: resource tracking in a landscape mosaic	Palmer, C; Woinarski, JCZ	1999	No mention of age or ageing methods
105	The immune gene repertoire of an important viral reservoir, the Australian black flying fox	Papenfuss, AT; Baker, ML; Feng, ZP; Tachedjian, M; Cramer, G; Cowled, C; Ng, J; Janardhana, V; Field, HE; Wang, LF	2012	No mention of age or ageing methods
106	Diverse weights and diverse measures: factors affecting the post-natal growth of the Grey-headed Flying-fox <i>Pteropus poliocephalus</i> and implications for ageing juvenile flying-foxes	Parry-Jones, K	2011	No mention of age or ageing methods
107	Synchronous shedding of multiple bat paramyxoviruses coincides with peak periods of Hendra virus spillover	Peel, AJ; Wells, K; Giles, J; Boyd, V; Burroughs, A; Edson, D; Cramer, G; Baker, ML; Field, H; Wang, LF; McCallum, H; Plowright, RK; Clark, N	2019	No mention of age or ageing methods
108	Ecological dynamics of emerging bat virus spillover	Plowright, RK; Eby, P; Hudson, PJ; Smith, IL; Westcott, D; Bryden, WL; Middleton, D; Reid, PA; McFarlane, RA; Martin, G; Tabor, GM; Skerratt, LF; Anderson, DL; Cramer, G; Quammen, D; Jordan, D; Freeman, P; Wang, LF; Epstein, JH; Marsh, GA; Kung, NY; McCallum, H	2015	No mention of age or ageing methods
109	Urban habituation, ecological connectivity and epidemic dampening: the emergence of Hendra virus from flying foxes (<i>Pteropus</i> spp.)	Plowright, RK; Foley, P; Field, HE; Dobson, AP; Foley, JE; Eby, P; Daszak, P	2011	No mention of age or ageing methods
110	OVARIAN AND UTERINE LYMPHATIC DRAINAGE IN AUSTRALIAN FLYING-FOXES (GENUS PTEROPUS, SUBORDER MEGACHIROPTERA)	POW, CST; MARTIN, L	1995	No mention of age or ageing methods
111	THE OVARIAN-UTERINE VASCULATURE IN RELATION TO UNILATERAL ENDOMETRIAL GROWTH IN FLYING FOXES (GENUS PTEROPUS, SUBORDER MEGACHIROPTERA, ORDER CHIROPTERA)	POW, CST; MARTIN, L	1994	No mention of age or ageing methods
112	Phylogeny of Hepatocystis parasites of Australian flying foxes reveals distinct parasite clade	Schaer, J; McMichael, L; Gordon, AN; Russell, D; Matuschewski, K; Perkins, SL; Field, H; Power, M	2018	No mention of age or ageing methods
113	Satellite Telemetry and Long-Range Bat Movements	Smith, CS; Epstein, JH; Breed, AC; Plowright, RK; Olival, KJ; de Jong, C; Daszak, P; Field, HE	2011	No mention of age or ageing methods
114	Identifying Hendra Virus Diversity in Pteropid Bats	Smith, I; Broos, A; de Jong, C; Zeddeman, A; Smith, C; Smith, G; Moore, F; Barr, J; Cramer, G; Marsh, G; Tachedjian, M; Yu, M; Kung, YH; Wang, LF; Field, H	2011	No mention of age or ageing methods
115	Are Flying-Foxes Coming to Town? Urbanisation of the Spectacled Flying-Fox (<i>Pteropus conspicillatus</i>) in Australia	Tait, J; Perotto-Baldivieso, HL; McKeown, A; Westcott, DA	2014	No mention of age or ageing methods
116	Peripheral plasma progesterone concentrations in pregnant and non-pregnant greyheaded flying-foxes (<i>Pteropus poliocephalus</i>) and little red flying-foxes (<i>P-scapulatus</i>)	Towers, PA; Martin, L	1995	No mention of age or ageing methods
117	The role of fruit bats in the transmission of pathogenic leptospires in Australia	Tulsiani, SM; Cobbold, RN; Graham, GC; Dohnt, MF; Burns, MA; Leung, LKP; Field, HE; Smythe, LD; Craig, SB	2011	No mention of age or ageing methods
118	Development and evaluation of real-time polymerase chain reaction assays to identify mosquito (Diptera : Culicidae) bloodmeals originating from native Australian mammals	Van den Hurk, AF; Smith, IL; Smith, GA	2007	No mention of age or ageing methods
119	A state-space modelling approach to wildlife monitoring with application to flying-fox abundance	Westcott, DA; Caley, P; Heersink, DK; McKeown, A	2018	No mention of age or ageing methods
120	Assessment of monitoring power for highly mobile vertebrates	Westcott, DA; Fletcher, CS; McKeown, A; Murphy, HT	2012	No mention of age or ageing methods
121	Characterization of the Antigen Processing Machinery and Endogenous Peptide Presentation of a Bat MHC Class I Molecule	Wynne, JW; Woon, AP; Dudek, NL; Croft, NP; Ng, JHJ; Baker, ML; Wang, LF; Purcell, AW	2016	No mention of age or ageing methods

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122	Comparative Analysis of Bat Genomes Provides Insight into the Evolution of Flight and Immunity	Zhang, GJ; Cowled, C; Shi, ZL; Huang, ZY; Bishop-Lilly, KA; Fang, XD; Wynne, JW; Xiong, ZQ; Baker, ML; Zhao, W; Tachedjian, M; Zhu, YB; Zhou, P; Jiang, XT; Ng, J; Yang, L; Wu, LJ; Xiao, J; Feng, Y; Chen, YX; Sun, XQ; Zhang, Y; Marsh, GA; Cramer, G; Broder, CC; Frey, KG; Wang, LF; Wang, J	2013	No mention of age or ageing methods
123	Type III IFN Receptor Expression and Functional Characterisation in the Pteropid Bat, <i>Pteropus alecto</i>	Zhou, P; Cowled, C; Marsh, GA; Shi, ZL; Wang, LF; Baker, ML	2011	No mention of age or ageing methods
124	Type III IFNs in Pteropid Bats: Differential Expression Patterns Provide Evidence for Distinct Roles in Antiviral Immunity	Zhou, P; Cowled, C; Todd, S; Cramer, G; Virtue, ER; Marsh, GA; Klein, R; Shi, ZL; Wang, LF; Baker, ML	2011	No mention of age or ageing methods
125	Contraction of the type I IFN locus and unusual constitutive expression of IFN-alpha in bats	Zhou, P; Tachedjian, M; Wynne, JW; Boyd, V; Cui, J; Smith, I; Cowled, C; Ng, JHJ; Mok, L; Michalski, WP; Mendenhall, IH; Tachedjian, G; Wang, LF; Baker, ML	2016	No mention of age or ageing methods
126	Effects of waning maternal immunity on infection dynamics in seasonally breeding wildlife	Jeong, J; McCallum, H	2021	Modelling
127	Biology and management of the grey-headed flying-fox, <i>Pteropus poliocephalus</i>	Tidemann, CR	1999	Unretrievable
128	Observations on the transmission and development of <i>Toxocara pteropodis</i> (Ascaridoidea, Nematoda) in the Australian grey-headed flying-fox, <i>Pteropus poliocephalus</i> (Pteropodidae, Megachiroptera)	Prociv, P	1983	Unretrievable
129	Systemic toxoplasmosis in captive flying-foxes	Sangster, CR; Gordon, AN; Hayes, D	2012	Age classes used but not described
130	The Distribution of Henipaviruses in Southeast Asia and Australasia: Is Wallace's Line a Barrier to Nipah Virus?	Breed, AC; Meers, J; Sendow, I; Bossart, KN; Barr, JA; Smith, I; Wacharapluesadee, S; Wang, LF; Field, HE	2013	Age classes used but not described
131	Infection with Menangle virus in flying foxes (<i>Pteropus</i> spp.) in Australia	Philbey, AW; Kirkland, PD; Ross, AD; Field, HE; Srivastava, M; Davis, RJ; Love, RJ	2008	Age classes used but not described
132	Australian Bat Lyssavirus: Analysis of National Bat Surveillance Data from 2010 to 2016	Iglesias, R; Cox-Witton, K; Field, H; Skerratt, LF; Barrett, J	2021	Age classes used but not described
133	Body-size dependent foraging strategies in the Christmas Island flying-fox: implications for seed and pollen dispersal within a threatened island ecosystem	Todd, CM; Westcott, DA; Martin, JM; Rose, K; McKeown, A; Hall, J; Welbergen, JA	2022	Age classes used but not described
134	The establishment and dynamics of a recently established urban camp of flying foxes (<i>Pteropus poliocephalus</i>) outside their geographic range	van der Ree, R; McDonnell, MJ; Temby, I; Nelson, J; Whittingham, E	2006	Age classes used but not described

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