

# Bettine Jansen van Vuuren

## List of Publications by Year in descending order

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118  
papers

3,178  
citations

172207

29  
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189595

50  
g-index

126  
all docs

126  
docs citations

126  
times ranked

4311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pattern and timing of diversification of Cetartiodactyla (Mammalia, Laurasiatheria), as revealed by a comprehensive analysis of mitochondrial genomes. <i>Comptes Rendus - Biologies</i> , 2012, 335, 32-50.	0.1	448
2	A Molecular Supermatrix of the Rabbits and Hares (Leporidae) Allows for the Identification of Five Intercontinental Exchanges During the Miocene. <i>Systematic Biology</i> , 2004, 53, 433-447.	2.7	198
3	Population genetics of the roan antelope ( <i>Hippotragus equinus</i> ) with suggestions for conservation. <i>Molecular Ecology</i> , 2004, 13, 1771-1784.	2.0	95
4	Challenging species delimitation in Collembola: cryptic diversity among common springtails unveiled by DNA barcoding. <i>Invertebrate Systematics</i> , 2012, 26, 470.	0.5	85
5	Cytochrome b Phylogeny of North American Hares and Jackrabbits ( <i>Lepus</i> , Lagomorpha) and the Effects of Saturation in Outgroup Taxa. <i>Molecular Phylogenetics and Evolution</i> , 1999, 11, 213-221.	1.2	77
6	Long-distance dispersal maximizes evolutionary potential during rapid geographic range expansion. <i>Molecular Ecology</i> , 2013, 22, 5793-5804.	2.0	77
7	Mitochondrial DNA is unsuitable to test for isolation by distance. <i>Scientific Reports</i> , 2018, 8, 8448.	1.6	76
8	Haplotype Networks Can Be Misleading in the Presence of Missing Data. <i>Systematic Biology</i> , 2007, 56, 857-862.	2.7	75
9	House mouse colonization patterns on the sub-Antarctic Kerguelen Archipelago suggest singular primary invasions and resilience against re-invasion. <i>BMC Evolutionary Biology</i> , 2010, 10, 325.	3.2	74
10	Biome specificity of distinct genetic lineages within the four-striped mouse <i>Rhabdomys pumilio</i> (Rodentia: Muridae) from southern Africa with implications for taxonomy. <i>Molecular Phylogenetics and Evolution</i> , 2012, 65, 75-86.	1.2	74
11	Physiological tolerances account for range limits and abundance structure in an invasive slug. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1459-1468.	1.2	72
12	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2009–30 September 2009. <i>Molecular Ecology Resources</i> , 2010, 10, 232-236.	2.2	71
13	Coalescence methods reveal the impact of vicariance on the spatial genetic structure of <i>Elephantulus edwardii</i> (Afrotheria, Macroscelidea). <i>Molecular Ecology</i> , 2007, 16, 2680-2692.	2.0	67
14	Directional Evolution of the Slope of the Metabolic Rate–Temperature Relationship Is Correlated with Climate. <i>Physiological and Biochemical Zoology</i> , 2009, 82, 495-503.	0.6	64
15	Spatial Sorting Drives Morphological Variation in the Invasive Bird, <i>Acridotheris tristis</i> . <i>PLoS ONE</i> , 2012, 7, e38145.	1.1	59
16	Mite dispersal among the Southern Ocean Islands and Antarctica before the last glacial maximum. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1247-1255.	1.2	52
17	Pan-African Genetic Structure in the African Buffalo ( <i>Syncerus caffer</i> ): Investigating Intraspecific Divergence. <i>PLoS ONE</i> , 2013, 8, e56235.	1.1	51
18	Population Genetics of <i>Ceratitis capitata</i> in South Africa: Implications for Dispersal and Pest Management. <i>PLoS ONE</i> , 2013, 8, e54281.	1.1	51

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19	Biogeography and host-related factors trump parasite life history: limited congruence among the genetic structures of specific ectoparasitic lice and their rodent hosts. <i>Molecular Ecology</i> , 2013, 22, 5185-5204.	2.0	50
20	Population structure, propagule pressure, and conservation biogeography in the sub-Antarctic: lessons from indigenous and invasive springtails. <i>Diversity and Distributions</i> , 2007, 13, 143-154.	1.9	46
21	Evolutionary history of Carnivora (Mammalia, Laurasiatheria) inferred from mitochondrial genomes. <i>PLoS ONE</i> , 2021, 16, e0240770.	1.1	43
22	Rapid collapse of a sub-Antarctic alpine ecosystem: the role of climate and pathogens. <i>Journal of Applied Ecology</i> , 2015, 52, 774-783.	1.9	40
23	Quantitative evaluation of hybridization and the impact on biodiversity conservation. <i>Ecology and Evolution</i> , 2017, 7, 320-330.	0.8	39
24	Comparison of mitochondrial genome sequences of pangolins (Mammalia, Pholidota). <i>Comptes Rendus - Biologies</i> , 2015, 338, 260-265.	0.1	38
25	DNA barcoding and the documentation of alien species establishment on sub-Antarctic Marion Island. <i>Polar Biology</i> , 2008, 31, 651-655.	0.5	37
26	<i>Paradiplozoon ichthyoxanthon</i> n. sp. (Monogenea: Diplozoidae) from <i>Labeobarbus aeneus</i> (Cyprinidae) in the Vaal River, South Africa. <i>Journal of Helminthology</i> , 2014, 88, 166-172.	0.4	37
27	Deconstructing intercontinental invasion pathway hypotheses of the Mediterranean fruit fly ( <i>Ceratitis capitata</i> ) using a Bayesian inference approach: are port interceptions and quarantine protocols successfully preventing new invasions?. <i>Diversity and Distributions</i> , 2015, 21, 813-825.	1.9	37
28	COVID-19 and the academe in South Africa: Not business as usual. <i>South African Journal of Science</i> , 2020, 116, .	0.3	36
29	Retrieval of Four Adaptive Lineages in Duiker Antelope: Evidence from Mitochondrial DNA Sequences and Fluorescence in Situ Hybridization. <i>Molecular Phylogenetics and Evolution</i> , 2001, 20, 409-425.	1.2	32
30	A molecular diagnostic for identifying central African forest artiodactyls from faecal pellets. <i>Animal Conservation</i> , 2010, 13, 80-93.	1.5	32
31	Colonisation of sub-Antarctic Marion Island by a non-indigenous aphid parasitoid <i>Aphidius matricariae</i> (Hymenoptera, Braconidae). <i>Polar Biology</i> , 2007, 30, 1195-1201.	0.5	31
32	A New Species of Elephant-shrew (Afrotheria: Macroscelidea: Elephantulus) from South Africa. <i>Journal of Mammalogy</i> , 2008, 89, 1257-1268.	0.6	31
33	Phylogenetic relationships of elephant-shrews (Afrotheria, Macroscelididae). <i>Journal of Zoology</i> , 2011, 284, 133-143.	0.8	29
34	Evolutionary history of the Karoo bush rat, <i>Myotomys unisulcatus</i> (Rodentia: Muridae): discordance between morphology and genetics. <i>Biological Journal of the Linnean Society</i> , 2011, 102, 510-526.	0.7	28
35	Plant dispersal in the sub-Antarctic inferred from anisotropic genetic structure. <i>Molecular Ecology</i> , 2012, 21, 184-194.	2.0	27
36	Phylogeography of <i>Eupodes minutus</i> (Acari: Prostigmata) on sub-Antarctic Marion Island reflects the impact of historical events. <i>Polar Biology</i> , 2007, 30, 471-476.	0.5	25

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37	Genetic testing of dung identification for antelope surveys in the Udzungwa Mountains, Tanzania. <i>Conservation Genetics</i> , 2009, 10, 251-255.	0.8	25
38	<i>Paradiplozoon vaalense</i> n. sp. (Monogenea: Diplozoidae) from the gills of moggel, <i>Labeo umbratus</i> (Smith, 1841), in the Vaal River System, South Africa. <i>Journal of Helminthology</i> , 2015, 89, 58-67.	0.4	25
39	Usefulness of DNA Barcoding in Ecotoxicological Investigations: Resolving Taxonomic Uncertainties Using <i>Eisenia Malm 1877</i> as an Example. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 82, 261-264.	1.3	24
40	A Molecular Identification Approach for Five Species of Mealybug (Hemiptera: Pseudococcidae) on Citrus Fruit Exported from South Africa. <i>African Entomology</i> , 2010, 18, 23-28.	0.6	24
41	Phylogeny and biogeography of the African Bathyergidae: a review of patterns and processes. <i>PeerJ</i> , 2019, 7, e7730.	0.9	22
42	Growth form and population genetic structure of <i>Azorella selagoon</i> sub-Antarctic Marion Island. <i>Antarctic Science</i> , 2008, 20, 381-390.	0.5	21
43	Genetic population structure in the yellow mongoose, <i>Cynictis penicillata</i> . <i>Molecular Ecology</i> , 1997, 6, 1147-1153.	2.0	20
44	DNA-led rediscovery of the giant sable antelope in Angola. <i>European Journal of Wildlife Research</i> , 2006, 52, 145-152.	0.7	20
45	Genetic evidence confirms the origin of the house mouse on sub-Antarctic Marion Island. <i>Polar Biology</i> , 2007, 30, 327-332.	0.5	19
46	Specific status of populations in the Mascarene Islands referred to <i>Mormopterus acetabulosus</i> (Chiroptera: Molossidae), with description of a new species. <i>Journal of Mammalogy</i> , 2008, 89, 1316-1327.	0.6	18
47	Cryptic spatial aggregation of the cushion plant <i>Azorella selago</i> (Apiaceae) revealed by a multilocus molecular approach suggests frequent intraspecific facilitation under sub-Antarctic conditions. <i>American Journal of Botany</i> , 2011, 98, 909-914.	0.8	18
48	Conservation implications of significant population differentiation in an endangered estuarine seahorse. <i>Biodiversity and Conservation</i> , 2017, 26, 1275-1293.	1.2	18
49	African wild dogs: Genetic viability of translocated populations across South Africa. <i>Biological Conservation</i> , 2019, 234, 131-139.	1.9	18
50	Phylogeography of a mite, <i>Halozetes fulvus</i> , reflects the landscape history of a young volcanic island in the sub-Antarctic. <i>Biological Journal of the Linnean Society</i> , 2012, 105, 131-145.	0.7	17
51	Landscape genetics in mammals. <i>Mammalia</i> , 2014, 78, .	0.3	17
52	Phylogeography and niche modelling: reciprocal enlightenment. <i>Mammalia</i> , 2019, 84, 10-25.	0.3	17
53	Springtail diversity in South Africa. <i>South African Journal of Science</i> , 2011, 107, .	0.3	16
54	Spatial genetic diversity in the Cape mole-rat, <i>Georchus capensis</i> : Extreme isolation of populations in a subterranean environment. <i>PLoS ONE</i> , 2018, 13, e0194165.	1.1	16

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55	Western Zambian sable: Are they a Geographic Extension of the Giant sable Antelope?. South African Journal of Wildlife Research, 2010, 40, 35-42.	1.4	15
56	Phylogeographic population structure in the Heaviside's dolphin ( <i>Cephalorhynchus heavisidii</i> ): conservation implications. Animal Conservation, 2002, 5, 303-307.	1.5	14
57	The history and management of black rhino in KwaZulu-Natal: a population genetic approach to assess the past and guide the future. Animal Conservation, 2011, 14, 363-370.	1.5	14
58	Patterns of weed invasion: evidence from the spatial genetic structure of <i>Raphanus raphanistrum</i> . Biological Invasions, 2013, 15, 2455-2465.	1.2	14
59	The genetic tale of a recovering lion population ( <i>Panthera leo</i> ) in the Savanna Valley region (Zimbabwe): A better understanding of the history and managing the future. PLoS ONE, 2018, 13, e0190369.	1.1	14
60	Relative importance of habitat connectivity in shaping the genetic profiles of two southern African elephant shrews. Journal of Biogeography, 2010, 37, 857-864.	1.4	13
61	Genetic diversity and spatial genetic structure of African wild dogs ( <i>Lycaon pictus</i> ) in the Greater Limpopo transfrontier conservation area. Conservation Genetics, 2016, 17, 785-794.	0.8	13
62	Conservation implications of spatial genetic structure in two species of oribatid mites from the Antarctic Peninsula and the Scotia Arc. Antarctic Science, 2018, 30, 105-114.	0.5	12
63	Assessing introgressive hybridization between blue wildebeest ( <i>Connochaetes taurinus</i> ) and black wildebeest ( <i>Connochaetes gnou</i> ) from South Africa. Conservation Genetics, 2018, 19, 981-993.	0.8	12
64	The influence of landscape, climate and history on spatial genetic patterns in keystone plants ( <i>Azorella</i> ) on sub-Antarctic islands. Molecular Ecology, 2019, 28, 3291-3305.	2.0	12
65	Are road verges corridors for weed invasion? Insights from the fine-scale spatial genetic structure of <i>Raphanus raphanistrum</i> . Weed Research, 2013, 53, 362-369.	0.8	11
66	Geographic patterns of genetic variation in four Neotropical rodents: conservation implications for small game mammals in French Guiana. Biological Journal of the Linnean Society, 2004, 81, 203-218.	0.7	10
67	First estimates of genetic diversity for the highly endangered giant sable antelope using a set of 57 microsatellites. European Journal of Wildlife Research, 2015, 61, 313-317.	0.7	10
68	An exploratory analysis of geographic genetic variation in southern African nyala ( <i>Tragelaphus</i> )	0.8	9
69	A comparison of genetic structure in two low-dispersal crabs from the Wild Coast, South Africa. African Journal of Marine Science, 2015, 37, 345-351.	0.4	9
70	Investigating population differentiation in a major African agricultural pest: evidence from geometric morphometrics and connectivity suggests high invasion potential. Molecular Ecology, 2016, 25, 3019-3032.	2.0	9
71	The complete mitogenome of the springtail <i>Cryptopygus antarcticus travei</i> provides evidence for speciation in the Sub-Antarctic region. Mitochondrial DNA Part B: Resources, 2019, 4, 1195-1197.	0.2	9
72	Excessive red tape is strangling biodiversity research in South Africa. South African Journal of Science, 2021, 117, .	0.3	9

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73	Genetic differentiation in <i>Oxalis</i> (Oxalidaceae): A tale of rarity and abundance in the Cape Floristic Region. <i>South African Journal of Botany</i> , 2009, 75, 27-33.	1.2	8
74	Genetic population structure in the bokyaëboky (<sc>C</sc>arnivora: <sc>E</sc>upleridae), a conservation flagship species in the dry deciduous forests of central western <sc>M</sc>adagascar. <i>Animal Conservation</i> , 2012, 15, 164-173.	1.5	8
75	Electroluminescent TCC, C3dg and fB/Bb epitope assays for profiling Complement cascade activation in vitro using an activated Complement serum calibration standard. <i>Journal of Immunological Methods</i> , 2014, 402, 50-56.	0.6	8
76	Phylogeography of oribi antelope in South Africa: evolutionary versus anthropogenic panmixia. <i>African Zoology</i> , 2017, 52, 189-197.	0.2	8
77	Evolutionary and ecological patterns within the South African Bathyergidae: Implications for taxonomy. <i>Molecular Phylogenetics and Evolution</i> , 2019, 130, 181-197.	1.2	8
78	An update on the indigenous vascular flora of sub-Antarctic Marion Island: taxonomic changes, sequences for DNA barcode loci, and genome size data. <i>Polar Biology</i> , 2020, 43, 1817-1828.	0.5	8
79	De Novo Transcriptome Assembly and Annotation of Liver and Brain Tissues of Common Brushtail Possums ( <i>Trichosurus vulpecula</i> ) in New Zealand: Transcriptome Diversity after Decades of Population Control. <i>Genes</i> , 2020, 11, 436.	1.0	8
80	Local and Regional Scale Genetic Variation in the Cape Dune Mole-Rat, <i>Bathyergus suillus</i> . <i>PLoS ONE</i> , 2014, 9, e107226.	1.1	8
81	African climate and geomorphology drive evolution and ghost introgression in sable antelope. <i>Molecular Ecology</i> , 2022, 31, 2968-2984.	2.0	8
82	Distributional range, ecology, and mating system of the Cape mole-rat (<i>Georchus capensis</i>) family Bathyergidae. <i>Canadian Journal of Zoology</i> , 2017, 95, 713-726.	0.4	7
83	Human activity strongly influences genetic dynamics of the most widespread invasive plant in the subâ€Antarctic. <i>Molecular Ecology</i> , 2022, 31, 1649-1665.	2.0	7
84	Origin and Putative Colonization Routes for Invasive Rodent Taxa in the Democratic Republic of Congo. <i>African Zoology</i> , 2011, 46, 133-145.	0.2	6
85	Assessing introgressive hybridization in roan antelope ( <i>Hippotragus equinus</i> ): Lessons from South Africa. <i>PLoS ONE</i> , 2019, 14, e0213961.	1.1	6
86	The complete mitogenome of <i>Leptestheria brevisrostris</i> Barnard, 1924, a rock pool clam shrimp (Branchiopoda: Spinicaudata) from Central District, Botswana. <i>Mitochondrial DNA Part B: Resources</i> , 2021, 6, 608-610.	0.2	6
87	Exploring South Africaâ€™s southern frontier: A 20-year vision for polar research through the South African National Antarctic Programme. <i>South African Journal of Science</i> , 2017, 113, 7.	0.3	5
88	Genetic structure and diversity within lethally managed populations of two mesopredators in South Africa. <i>Journal of Mammalogy</i> , 0, , .	0.6	5
89	Cryptic diversity in the common flap-necked chameleon<i>Chamaeleo dilepis</i> in South Africa. <i>African Zoology</i> , 2018, 53, 11-16.	0.2	5
90	Insights into the Genetic Population Structure of Black-Backed Jackal and Caracal in South Africa. <i>African Journal of Wildlife Research</i> , 2019, 49, .	0.2	5

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91	Fynbos Fires May Contribute to the Maintenance of High Genetic Diversity in Orange-Breasted Sunbirds ( <i>Anthobaphes violacea</i> ). South African Journal of Wildlife Research, 2011, 41, 87-94.	1.4	4
92	Development of a microsatellite library for the flightless moth <i>Pringleophaga marioni</i> Viette (Lepidoptera: Tineidae). Conservation Genetics Resources, 2011, 3, 291-294.	0.4	4
93	Reduced genetic diversity in <i>Baeolophus inornatus</i> and <i>Geothlypis trichas</i> in southern Africa. Ibis, 2015, 157, 162-166.	1.0	4
94	The complete mitogenome of the springtail <i>Tullbergia bisetosa</i> : a subterranean springtail from the sub-Antarctic region. Mitochondrial DNA Part B: Resources, 2019, 4, 1594-1596.	0.2	4
95	Space use and the evolution of social monogamy in eastern rock sengis. Ethology, 2020, 126, 393-402.	0.5	4
96	Spatial genetic structure in the rock hyrax ( <i>Procavia capensis</i> ) across the Namaqualand and western Fynbos areas of South Africa – a mitochondrial and microsatellite perspective. Canadian Journal of Zoology, 2020, 98, 557-571.	0.4	4
97	A New Non-invasive Method for Collecting DNA From Small Mammals in the Field, and Its Application in Simultaneous Vector and Disease Monitoring in Brushtail Possums. Frontiers in Environmental Science, 2021, 9, .	1.5	4
98	Evolutionary history of the roan antelope across its African range. Journal of Biogeography, 2021, 48, 2812-2827.	1.4	4
99	<i>De novo</i> whole-genome assembly and resequencing resources for the roan ( <i>Hippotragus</i> ) Tj ETQq1 1 0.784314 rgB <sub>4</sub> /Overl	0.8	4
100	Out of southern Africa: Origins and cryptic speciation in <i>Chamaeleo</i> , the most widespread chameleon genus. Molecular Phylogenetics and Evolution, 2022, 175, 107578.	1.2	4
101	A survey of the oral cavity microbiome of New Zealand fur seal pups ( <i>Arctocephalus forsteri</i> ). Marine Mammal Science, 2020, 36, 334-343.	0.9	3
102	Environmental DNA Metabarcoding as a Means of Estimating Species Diversity in an Urban Aquatic Ecosystem. Animals, 2020, 10, 2064.	1.0	3
103	Phylogeographic Patterns in a Semi-Lithophilous Burrowing Scorpion, <i>Opisthophthalmus pallipes</i> , from South Africa. Zoological Science, 2020, 38, 36-44.	0.3	3
104	Development and characterization of 13 new, and cross amplification of 3, polymorphic nuclear microsatellite loci in the common myna ( <i>Acridotheres tristis</i> ). Conservation Genetics Resources, 2012, 4, 621-624.	0.4	2
105	Unravelling the taxonomy and distribution of two problematic small mammal genera in the Karoo biome. African Zoology, 2019, 54, 125-135.	0.2	2
106	Oral Microbiome Metabarcoding in Two Invasive Small Mammals from New Zealand. Diversity, 2020, 12, 278.	0.7	2
107	Transcriptomic Diversity in the Livers of South African Sardines Participating in the Annual Sardine Run. Genes, 2021, 12, 368.	1.0	2
108	Molecular evidence for hybridization in the aquatic plant <i>Limosella</i> on sub-Antarctic Marion Island. Antarctic Science, 2021, 33, 243-251.	0.5	2

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109	Molecular tracking and prevalence of the red colour morph restricted to a harvested leopard population in South Africa. <i>Evolutionary Applications</i> , 2022, 15, 1028-1041.	1.5	2
110	Characterization of 14 polymorphic microsatellite loci developed for an Afrotherian species endemic to southern Africa, <i>Elephantulus myurus</i> (Macroscelidea: Macroscelididae). <i>Applied Entomology and Zoology</i> , 2017, 52, 139-145.	0.6	1
111	Isolation and characterization of species-specific microsatellite markers for blue and black wildebeest ( <i>Connochaetes taurinus</i> and <i>C. gnou</i> ). <i>Journal of Genetics</i> , 2018, 97, 101-109.	0.4	1
112	Conservation priorities in an endangered estuarine seahorse are informed by demographic history. <i>Scientific Reports</i> , 2021, 11, 4205.	1.6	1
113	Morphological and Molecular Characterization of the Plague Vector <i>Xenopsylla brasiliensis</i> . <i>Journal of Parasitology</i> , 2021, 107, 289-294.	0.3	1
114	Genomic divergence and differential gene expression between crustacean ecotypes across a marine thermal gradient. <i>Marine Genomics</i> , 2021, 58, 100847.	0.4	1
115	Bad science cannot be used as a basis of constructive dialogue: Response to Prof Nicoli Nattrass commentary. <i>South African Journal of Science</i> , 0, , .	0.3	1
116	Characterization of 21 polymorphic microsatellite loci for the collembolan <i>Cryptopygus antarcticus travei</i> from the sub-Antarctic Prince Edward Islands. <i>Biochemical Systematics and Ecology</i> , 2016, 64, 136-141.	0.6	0
117	The complete mitogenome of <i>Isotomurus maculatus</i> : a widespread species that is invading the sub-Antarctic region. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 1706-1708.	0.2	0
118	A targeted gene approach to SNP discovery in the blue ( <i>Connochaetes taurinus</i> ) and black wildebeest ( <i>C. gnou</i> ). <i>Conservation Genetics Resources</i> , 2019, 11, 35-38.	0.4	0