

Bettine Jansen van Vuuren

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

3,178
citations

172207

29
h-index

189595

50
g-index

126
all docs

126
docs citations

126
times ranked

4311
citing authors

#	ARTICLE	IF	CITATIONS
1	Human activity strongly influences genetic dynamics of the most widespread invasive plant in the sub-Antarctic. <i>Molecular Ecology</i> , 2022, 31, 1649-1665.	2.0	7
2	African climate and geomorphology drive evolution and ghost introgression in sable antelope. <i>Molecular Ecology</i> , 2022, 31, 2968-2984.	2.0	8
3	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
4	Out of southern Africa: Origins and cryptic speciation in <i>Chamaeleo</i> , the most widespread chameleon genus. <i>Molecular Phylogenetics and Evolution</i> , 2022, 175, 107578.	1.2	4
5	Conservation priorities in an endangered estuarine seahorse are informed by demographic history. <i>Scientific Reports</i> , 2021, 11, 4205.	1.6	1
6	The complete mitogenome of <i>Leptestheria brevirostris</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
7	Evolutionary history of Carnivora (Mammalia, Laurasiatheria) inferred from mitochondrial genomes. <i>PLoS ONE</i> , 2021, 16, e0240770.	1.1	43
8	Transcriptomic Diversity in the Livers of South African Sardines Participating in the Annual Sardine Run. <i>Genes</i> , 2021, 12, 368.	1.0	2
9	Molecular evidence for hybridization in the aquatic plant <i>Limosella</i> on sub-Antarctic Marion Island. <i>Antarctic Science</i> , 2021, 33, 243-251.	0.5	2
10	Morphological and Molecular Characterization of the Plague Vector <i>Xenopsylla brasiliensis</i> . <i>Journal of Parasitology</i> , 2021, 107, 289-294.	0.3	1
11	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. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	4
12	Genomic divergence and differential gene expression between crustacean ecotypes across a marine thermal gradient. <i>Marine Genomics</i> , 2021, 58, 100847.	0.4	1
13	Evolutionary history of the roan antelope across its African range. <i>Journal of Biogeography</i> , 2021, 48, 2812-2827.	1.4	4
14	Excessive red tape is strangling biodiversity research in South Africa. <i>South African Journal of Science</i> , 2021, 117, .	0.3	9
15	<i>De novo</i> whole-genome assembly and resequencing resources for the roan (<i>Hippotragus</i>) Tj ETQq1 1 0.784314 rgB4 /Overlock	0.8	4
16	A survey of the oral cavity microbiome of New Zealand fur seal pups (<i>Arctocephalus forsteri</i>). <i>Marine Mammal Science</i> , 2020, 36, 334-343.	0.9	3
17	Space use and the evolution of social monogamy in eastern rock sengis. <i>Ethology</i> , 2020, 126, 393-402.	0.5	4
18	Environmental DNA Metabarcoding as a Means of Estimating Species Diversity in an Urban Aquatic Ecosystem. <i>Animals</i> , 2020, 10, 2064.	1.0	3

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19	Oral Microbiome Metabarcoding in Two Invasive Small Mammals from New Zealand. <i>Diversity</i> , 2020, 12, 278.	0.7	2
20	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
21	COVID-19 and the academe in South Africa: Not business as usual. <i>South African Journal of Science</i> , 2020, 116, .	0.3	36
22	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. <i>Canadian Journal of Zoology</i> , 2020, 98, 557-571.	0.4	4
23	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
24	Phylogeographic Patterns in a Semi-Lithophilous Burrowing Scorpion, <i>Opisthophthalmus pallipes</i> , from South Africa. <i>Zoological Science</i> , 2020, 38, 36-44.	0.3	3
25	The complete mitogenome of the springtail <i>Tullbergia bisetosa</i> : a subterranean springtail from the sub-Antarctic region. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 1594-1596.	0.2	4
26	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
27	Unravelling the taxonomy and distribution of two problematic small mammal genera in the Karoo biome. <i>African Zoology</i> , 2019, 54, 125-135.	0.2	2
28	The influence of landscape, climate and history on spatial genetic patterns in keystone plants (<i>Azorella</i>) on sub-Antarctic islands. <i>Molecular Ecology</i> , 2019, 28, 3291-3305.	2.0	12
29	The complete mitogenome of the springtail <i>Cryptopygus antarcticus travei</i> provides evidence for speciation in the Sub-Antarctic region. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 1195-1197.	0.2	9
30	Phylogeography and niche modelling: reciprocal enlightenment. <i>Mammalia</i> , 2019, 84, 10-25.	0.3	17
31	African wild dogs: Genetic viability of translocated populations across South Africa. <i>Biological Conservation</i> , 2019, 234, 131-139.	1.9	18
32	Assessing introgressive hybridization in roan antelope (<i>Hippotragus equinus</i>): Lessons from South Africa. <i>PLoS ONE</i> , 2019, 14, e0213961.	1.1	6
33	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
34	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
35	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
36	Phylogeny and biogeography of the African Bathyergidae: a review of patterns and processes. <i>PeerJ</i> , 2019, 7, e7730.	0.9	22

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37	Conservation implications of spatial genetic structure in two species of oribatid mites from the Antarctic Peninsula and the Scotia Arc. <i>Antarctic Science</i> , 2018, 30, 105-114.	0.5	12
38	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
39	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
40	Mitochondrial DNA is unsuitable to test for isolation by distance. <i>Scientific Reports</i> , 2018, 8, 8448.	1.6	76
41	Assessing introgressive hybridization between blue wildebeest (<i>Connochaetes taurinus</i>) and black wildebeest (<i>Connochaetes gnou</i>) from South Africa. <i>Conservation Genetics</i> , 2018, 19, 981-993.	0.8	12
42	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. <i>PLoS ONE</i> , 2018, 13, e0190369.	1.1	14
43	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
44	Quantitative evaluation of hybridization and the impact on biodiversity conservation. <i>Ecology and Evolution</i> , 2017, 7, 320-330.	0.8	39
45	Conservation implications of significant population differentiation in an endangered estuarine seahorse. <i>Biodiversity and Conservation</i> , 2017, 26, 1275-1293.	1.2	18
46	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
47	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
48	Phylogeography of oribi antelope in South Africa: evolutionary versus anthropogenic panmixia. <i>African Zoology</i> , 2017, 52, 189-197.	0.2	8
49	Exploring South Africa'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
50	Investigating population differentiation in a major African agricultural pest: evidence from geometric morphometrics and connectivity suggests high invasion potential. <i>Molecular Ecology</i> , 2016, 25, 3019-3032.	2.0	9
51	Genetic diversity and spatial genetic structure of African wild dogs (<i>Lycaon pictus</i>) in the Greater Limpopo transfrontier conservation area. <i>Conservation Genetics</i> , 2016, 17, 785-794.	0.8	13
52	Characterization of 21 polymorphic microsatellite loci for the collembolan <i>Cryptopygus antarcticus</i> travei from the sub-Antarctic Prince Edward Islands. <i>Biochemical Systematics and Ecology</i> , 2016, 64, 136-141.	0.6	0
53	A comparison of genetic structure in two low-dispersal crabs from the Wild Coast, South Africa. <i>African Journal of Marine Science</i> , 2015, 37, 345-351.	0.4	9
54	Reduced genetic diversity in <i>Boreas</i> eared <i>Volutures</i> <i>Gypaetus barbatus</i> in <i>Southern Africa</i> . <i>Ibis</i> , 2015, 157, 162-166.	1.0	4

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55	<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
56	First estimates of genetic diversity for the highly endangered giant sable antelope using a set of 57 microsatellites. <i>European Journal of Wildlife Research</i> , 2015, 61, 313-317.	0.7	10
57	Comparison of mitochondrial genome sequences of pangolins (Mammalia, Pholidota). <i>Comptes Rendus - Biologies</i> , 2015, 338, 260-265.	0.1	38
58	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
59	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
60	<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
61	Landscape genetics in mammals. <i>Mammalia</i> , 2014, 78, .	0.3	17
62	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
63	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
64	Are road verges corridors for weed invasion? Insights from the fine-scale spatial genetic structure of <i>Raphanus raphanistrum</i> . <i>Weed Research</i> , 2013, 53, 362-369.	0.8	11
65	Long-distance dispersal maximizes evolutionary potential during rapid geographic range expansion. <i>Molecular Ecology</i> , 2013, 22, 5793-5804.	2.0	77
66	Patterns of weed invasion: evidence from the spatial genetic structure of <i>Raphanus raphanistrum</i> . <i>Biological Invasions</i> , 2013, 15, 2455-2465.	1.2	14
67	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
68	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
69	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
70	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
71	Genetic population structure in the boky-boky (<i>Carnivora: Eupleridae</i>), a conservation flagship species in the dry deciduous forests of central western Madagascar. <i>Animal Conservation</i> , 2012, 15, 164-173.	1.5	8
72	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

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73	Challenging species delimitation in Collembola: cryptic diversity among common springtails unveiled by DNA barcoding. <i>Invertebrate Systematics</i> , 2012, 26, 470.	0.5	85
74	Spatial Sorting Drives Morphological Variation in the Invasive Bird, <i>Acridotheris tristis</i> . <i>PLoS ONE</i> , 2012, 7, e38145.	1.1	59
75	Development and characterization of 13 new, and cross amplification of 3, polymorphic nuclear microsatellite loci in the common myna (<i>Acridotheres tristis</i>). <i>Conservation Genetics Resources</i> , 2012, 4, 621-624.	0.4	2
76	Plant dispersal in the sub-Antarctic inferred from anisotropic genetic structure. <i>Molecular Ecology</i> , 2012, 21, 184-194.	2.0	27
77	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
78	Fynbos Fires May Contribute to the Maintenance of High Genetic Diversity in Orange-Breasted Sunbirds (<i>Anthobaphes violacea</i>). <i>South African Journal of Wildlife Research</i> , 2011, 41, 87-94.	1.4	4
79	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
80	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
81	The history and management of black rhino in KwaZulu-Natal: a population genetic approach to assess the past and guide the future. <i>Animal Conservation</i> , 2011, 14, 363-370.	1.5	14
82	Phylogenetic relationships of elephant shrews (Afrotheria, Macroscelididae). <i>Journal of Zoology</i> , 2011, 284, 133-143.	0.8	29
83	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
84	Development of a microsatellite library for the flightless moth <i>Pringleophaga marioni</i> Viette (Lepidoptera: Tineidae). <i>Conservation Genetics Resources</i> , 2011, 3, 291-294.	0.4	4
85	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
86	Springtail diversity in South Africa. <i>South African Journal of Science</i> , 2011, 107, .	0.3	16
87	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
88	A molecular diagnostic for identifying central African forest artiodactyls from faecal pellets. <i>Animal Conservation</i> , 2010, 13, 80-93.	1.5	32
89	Relative importance of habitat connectivity in shaping the genetic profiles of two southern African elephant shrews. <i>Journal of Biogeography</i> , 2010, 37, 857-864.	1.4	13
90	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

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91	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
92	Western Zambian sable: Are they a Geographic Extension of the Giant sable Antelope?. <i>South African Journal of Wildlife Research</i> , 2010, 40, 35-42.	1.4	15
93	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
94	Genetic testing of dung identification for antelope surveys in the Udzungwa Mountains, Tanzania. <i>Conservation Genetics</i> , 2009, 10, 251-255.	0.8	25
95	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
96	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
97	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
98	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
99	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
100	A New Species of Elephant-shrew (Afrotheria: Macroscelidea: Elephantulus) from South Africa. <i>Journal of Mammalogy</i> , 2008, 89, 1257-1268.	0.6	31
101	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
102	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
103	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
104	Haplotype Networks Can Be Misleading in the Presence of Missing Data. <i>Systematic Biology</i> , 2007, 56, 857-862.	2.7	75
105	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
106	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
107	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
108	DNA-led rediscovery of the giant sable antelope in Angola. <i>European Journal of Wildlife Research</i> , 2006, 52, 145-152.	0.7	20

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109	An exploratory analysis of geographic genetic variation in southern African nyala (<i>Tragelaphus</i>) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	0.8	10
110	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
111	Geographic patterns of genetic variation in four Neotropical rodents: conservation implications for small game mammals in French Guiana. <i>Biological Journal of the Linnean Society</i> , 2004, 81, 203-218.	0.7	10
112	A Molecular Supermatrix of the Rabbits and Hares (<i>Leporidae</i>) Allows for the Identification of Five Intercontinental Exchanges During the Miocene. <i>Systematic Biology</i> , 2004, 53, 433-447.	2.7	198
113	Phylogeographic population structure in the Heaviside's dolphin (<i>Cephalorhynchus heavisidii</i>): conservation implications. <i>Animal Conservation</i> , 2002, 5, 303-307.	1.5	14
114	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
115	Cytochrome b Phylogeny of North American Hares and Jackrabbits (<i>Lepus</i> , <i>Lagomorpha</i>) and the Effects of Saturation in Outgroup Taxa. <i>Molecular Phylogenetics and Evolution</i> , 1999, 11, 213-221.	1.2	77
116	Genetic population structure in the yellow mongoose, <i>Cynictis penicillata</i> . <i>Molecular Ecology</i> , 1997, 6, 1147-1153.	2.0	20
117	Genetic structure and diversity within lethally managed populations of two mesopredators in South Africa. <i>Journal of Mammalogy</i> , 0, , .	0.6	5
118	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