

Martin Villet

List of Publications by Year in descending order

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107
papers

2,803
citations

147726

31
h-index

214721

47
g-index

121
all docs

121
docs citations

121
times ranked

2350
citing authors

#	ARTICLE	IF	CITATIONS
1	A PCA-based modelling technique for predicting environmental suitability for organisms from presence records. <i>Diversity and Distributions</i> , 2001, 7, 15-27.	1.9	119
2	Phylogeny, biogeography and classification of the snake superfamily Elapoidea: a rapid radiation in the late Eocene. <i>Cladistics</i> , 2009, 25, 38-63.	1.5	118
3	A fuzzy classification technique for predicting speciesâ€™ distributions: applications using invasive alien plants and indigenous insects. <i>Diversity and Distributions</i> , 2004, 10, 461-474.	1.9	99
4	A global study of forensically significant calliphorids: Implications for identification. <i>Forensic Science International</i> , 2008, 177, 66-76.	1.3	92
5	Phylogenetics of Advanced Snakes (Caenophidia) Based on Four Mitochondrial Genes. <i>Systematic Biology</i> , 2003, 52, 439-459.	2.7	91
6	Comparing models for predicting speciesâ€™ potential distributions: a case study using correlative and mechanistic predictive modelling techniques. <i>Ecological Modelling</i> , 2003, 164, 153-167.	1.2	90
7	Molecular identification of some forensically important blowflies of southern Africa and Australia. <i>Medical and Veterinary Entomology</i> , 2003, 17, 363-369.	0.7	88
8	Estimating the age of immature <i>Chrysomya albiceps</i> (Diptera: Calliphoridae), correcting for temperature and geographical latitude. <i>International Journal of Legal Medicine</i> , 2008, 122, 271-279.	1.2	82
9	A molecular phylogeny of the cicadas (Hemiptera: Cicadidae) with a review of tribe and subfamily classification. <i>Zootaxa</i> , 2018, 4424, 1-64.	0.2	75
10	Molecular phylogenetics of Oestroidea (Diptera: Calyptratae) with emphasis on Calliphoridae: Insights into the inter-familial relationships and additional evidence for paraphyly among blowflies. <i>Molecular Phylogenetics and Evolution</i> , 2012, 65, 840-854.	1.2	72
11	Data quality in thermal summation development models for forensically important blowflies. <i>Medical and Veterinary Entomology</i> , 2009, 23, 269-276.	0.7	59
12	Thermal ecophysiology of seven carrion-feeding blowflies in Southern Africa. <i>Entomologia Experimentalis Et Applicata</i> , 2009, 131, 11-19.	0.7	58
13	Climate change effects on animal and plant phylogenetic diversity in southern Africa. <i>Global Change Biology</i> , 2014, 20, 1538-1549.	4.2	56
14	Factors affecting accuracy and precision of thermal summation models of insect development used to estimate post-mortem intervals. <i>International Journal of Legal Medicine</i> , 2008, 122, 401-408.	1.2	55
15	Development of <i>Thanatophilus micans</i> (Fabricius 1794) (Coleoptera: Silphidae) at constant temperatures. <i>International Journal of Legal Medicine</i> , 2009, 123, 285-292.	1.2	53
16	Patterns and processes underlying evolutionary significant units in the <i>Platypleura stridula</i> L. species complex (Hemiptera: Cicadidae) in the Cape Floristic Region, South Africa. <i>Molecular Ecology</i> , 2007, 16, 2574-2588.	2.0	50
17	Models of development for blowfly sister species <i>Chrysomya chloropyga</i> and <i>Chrysomya putoria</i> . <i>Medical and Veterinary Entomology</i> , 2009, 23, 56-61.	0.7	49
18	Advances in Entomological Methods for Death Time Estimation. <i>Forensic Pathology Reviews</i> , 2011, , 213-237.	0.1	49

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19	The uses of <i>Chrysomya megacephala</i> (Fabricius, 1794) (Diptera: Calliphoridae) in forensic entomology. <i>Forensic Sciences Research</i> , 2018, 3, 2-15.	0.9	47
20	INFLUENCE OF GRAZING BY LARGE MAMMALS ON THE SPIDER COMMUNITY OF A KENYAN SAVANNA BIOME. <i>Journal of Arachnology</i> , 2005, 33, 269-279.	0.3	42
21	The snake family Psammophiidae (Reptilia: Serpentes): Phylogenetics and species delimitation in the African sand snakes (<i>Psammophis</i> Boie, 1825) and allied genera. <i>Molecular Phylogenetics and Evolution</i> , 2008, 47, 1045-1060.	1.2	42
22	A survey of fruit-feeding insects and their parasitoids occurring on wild olives, <i>Olea europaea</i> ssp. <i>cuspidata</i> in the Eastern Cape of South Africa. <i>Biocontrol Science and Technology</i> , 2008, 18, 991-1004.	0.5	42
23	The effect of water hyacinth, <i>Eichhornia crassipes</i> (Martius) SolmsLaubach (Pontederiaceae), on benthic biodiversity in two impoundments on the New Year's River, South Africa. <i>African Journal of Aquatic Science</i> , 2006, 31, 25-30.	0.5	41
24	Flies in the ointment: a morphological and molecular comparison of <i>Lucilia cuprina</i> and <i>Lucilia sericata</i> (Diptera: Calliphoridae) in South Africa. <i>Medical and Veterinary Entomology</i> , 2009, 23, 6-14.	0.7	41
25	Deeper knowledge of shallow waters: reviewing the invertebrate fauna of southern African temporary wetlands. <i>Hydrobiologia</i> , 2019, 827, 89-121.	1.0	41
26	Advantages of using development models of the carrion beetles <i>Thanatophilus micans</i> (Fabricius) and <i>T. mutilatus</i> (Castelneau) (Coleoptera: Silphidae) for estimating minimum post mortem intervals, verified with case data. <i>International Journal of Legal Medicine</i> , 2014, 128, 207-220.	1.2	37
27	Division of labour in the Matabele ant <i>Megaponera foetens</i> (Fabr.) (Hymenoptera Formicidae). <i>Ethology Ecology and Evolution</i> , 1990, 2, 397-417.	0.6	36
28	Molecular systematics of the African snake family Lamprophiidae Fitzinger, 1843 (Serpentes: Elapoidea), with particular focus on the genera <i>Lamprophis</i> Fitzinger 1843 and <i>Mehelya</i> Csiki 1903. <i>Molecular Phylogenetics and Evolution</i> , 2011, 58, 415-426.	1.2	35
29	Morphological identification of <i>Lucilia sericata</i> , <i>Lucilia cuprina</i> and their hybrids (Diptera, Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.5	35
30	Species identification of adult African blowflies (Diptera: Calliphoridae) of forensic importance. <i>International Journal of Legal Medicine</i> , 2018, 132, 831-842.	1.2	35
31	Sperm morphology in four species of African platypleurine cicadas (Hemiptera: Cicadomorpha: Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.0	33
32	Effect of the killing method on post-mortem change in length of larvae of <i>Thanatophilus micans</i> (Fabricius 1794) (Coleoptera: Silphidae) stored in 70% ethanol. <i>International Journal of Legal Medicine</i> , 2009, 123, 103-108.	1.2	31
33	Sperm morphology in five species of cicadettine cicadas (Hemiptera: Cicadomorpha: Cicadidae). <i>Tissue and Cell</i> , 2006, 38, 373-388.	1.0	30
34	An inexpensive geometrical micrometer for measuring small, live insects quickly without harming them. <i>Entomologia Experimentalis Et Applicata</i> , 2007, 122, 279-280.	0.7	30
35	Effect of temperature on development of the blowfly, <i>Lucilia cuprina</i> (Wiedemann) (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.2	30
36	An Accidental But Safe and Effective Use of <i>Lucilia cuprina</i> (Diptera: Calliphoridae) in Maggot Debridement Therapy in Alexandria, Egypt. <i>Journal of Medical Entomology</i> , 2010, 47, 491-494.	0.9	28

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37	Preliminary observations on the effects of hydrocortisone and sodium methohexital on development of <i>Sarcophaga (Curranella) tibialis</i> Macquart (Diptera: Sarcophagidae), and implications for estimating post mortem interval. <i>Forensic Science International</i> , 2001, 120, 37-41.	1.3	27
38	Predicting Geographic Distribution of Seven Forensically Significant Blowfly Species (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	0.6	25
39	Forensic entomotoxicology revisitedâ€”towards professional standardisation of study designs. <i>International Journal of Legal Medicine</i> , 2017, 131, 1399-1412.	1.2	25
40	Phylogenetic radiation of the greenbottle flies (Diptera, Calliphoridae, Luciliinae). <i>ZooKeys</i> , 2016, 568, 59-86.	0.5	25
41	A watershed study on genetic diversity: Phylogenetic analysis of the <i>Platypleura plumosa</i> (Hemiptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 702	1.2	23
42	Morphology and Identification of First Instars of African Blow Flies (Diptera: Calliphoridae) Commonly of Forensic Importance. <i>Journal of Medical Entomology</i> , 2011, 48, 738-752.	0.9	23
43	Cryptic variation in an ecological indicator organism: mitochondrial and nuclear DNA sequence data confirm distinct lineages of <i>Baetis harrisoni</i> Barnard (Ephemeroptera: Baetidae) in southern Africa. <i>BMC Evolutionary Biology</i> , 2012, 12, 26.	3.2	23
44	Thermal responses in some Eastern Cape African Cicadas (Hemiptera: Cicadidae). <i>Journal of Thermal Biology</i> , 2003, 28, 347-351.	1.1	21
45	Recent African derivation of <i>Chrysomya putoria</i> from <i>C. chloropyga</i> and mitochondrial DNA paraphyly of cytochrome oxidase subunit one in blowflies of forensic importance. <i>Medical and Veterinary Entomology</i> , 2004, 18, 445-448.	0.7	21
46	Heat accumulation and development rate of massed maggots of the sheep blowfly, <i>Lucilia cuprina</i> (Diptera: Calliphoridae). <i>Journal of Insect Physiology</i> , 2016, 95, 98-104.	0.9	21
47	Ancient and modern hybridization between <i>Lucilia sericata</i> and <i>L. cuprina</i> (Diptera: Calliphoridae). <i>European Journal of Entomology</i> , 2013, 110, 187-196.	1.2	21
48	An Accidental But Safe and Effective Use of <i>Lucilia cuprina</i> (Diptera: Calliphoridae) in Maggot Debridement Therapy in Alexandria, Egypt. <i>Journal of Medical Entomology</i> , 2010, 47, 491-494.	0.9	20
49	Nocturnal oviposition behavior of blowflies (Diptera: Calliphoridae) in the southern hemisphere (South Africa and Australia) and its forensic implications. <i>Forensic Science, Medicine, and Pathology</i> , 2017, 13, 123-134.	0.6	20
50	Rapid recovery of macroinvertebrates in a South African stream treated with rotenone. <i>Hydrobiologia</i> , 2019, 834, 1-11.	1.0	20
51	Social differentiation and division of labour in the queenless ant <i>Platythyrea schultzei</i> Forel 1910 (Hymenoptera Formicidae). <i>Tropical Zoology</i> , 1991, 4, 13-29.	0.6	19
52	Endothermy and chorusing behaviour in the African platypleurine cicada <i>Pycna semiclara</i> (Germar.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	0.4	19
53	The Utility of Coleoptera in Forensic Investigations. , 2009, , 57-68.		19
54	Contemporary Precision, Bias and Accuracy of Minimum Post-Mortem Intervals Estimated Using Development of Carrion-Feeding Insects. , 2009, , 109-137.		19

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55	Decoupled reciprocal subsidies of biomass and fatty acids in fluxes of invertebrates between a temperate river and the adjacent land. <i>Aquatic Sciences</i> , 2017, 79, 689-703.	0.6	19
56	A syndrome leading to ergatoid queens in ponerine ants (Hymenoptera: Formicidae). <i>Journal of Natural History</i> , 1989, 23, 825-832.	0.2	16
57	Endothermy in African Platyleurine Cicadas: The Influence of Body Size and Habitat (Hemiptera: Tj ETQq1 1 0.784314 rgBT /Overlock 16	0.6	16
58	Using molecules and morphology to infer the phylogenetic relationships and evolutionary history of the Dirini (Nymphalidae: Satyrinae), a tribe of butterflies endemic to Southern Africa. <i>Systematic Entomology</i> , 2011, 36, 300-316.	1.7	16
59	Colony foundation in <i>Plectroctena mandibularis</i> F. Smith, and the evolution of ergatoid queens in <i>Plectroctena</i> (Hymenoptera: Formicidae). <i>Journal of Natural History</i> , 1991, 25, 979-983.	0.2	15
60	The social biology of <i>Hagensia havilandi</i> (Forel 1901) (Hymenoptera Formicidae), and the origin of queenlessness in ponerine ants. <i>Tropical Zoology</i> , 1992, 5, 195-206.	0.6	15
61	Hot-blooded singers: endothermy facilitates crepuscular signaling in African platyleurine cicadas (Hemiptera: Cicadidae: Platyleura spp.). <i>Die Naturwissenschaften</i> , 2003, 90, 305-308.	0.6	15
62	Mating behavior and dispersal in <i>Paltothyreus tarsatus</i> Fabr. (Hymenoptera: Formicidae). <i>Journal of Insect Behavior</i> , 1989, 2, 413-417.	0.4	13
63	Spermiogenesis in three species of cicadas (Hemiptera: Cicadidae). <i>Acta Zoologica</i> , 2007, 88, 337-348.	0.6	13
64	Mating behaviour in three species of myrmicine ants (Hymenoptera: Formicidae). <i>Journal of Natural History</i> , 1989, 23, 767-773.	0.2	12
65	Reproduction and division of labour in <i>Platythyreacribrinodis</i> (Gerstaecker 1858) (Hymenoptera) Tj ETQq1 1 0.784314 rgBT /Overlock 12	0.6	12
66	The cicada genus <i>Stagira</i> Stål 1861 (Homoptera Tibicinidae): systematic revision. <i>Tropical Zoology</i> , 1997, 10, 347-392.	0.6	12
67	A Comparison of two Sampling Methods for Surveying Mammalian Herbivore Impacts on Beetle Communities in the Canopy of <i>Acacia drepanolobium</i> in Kenya. <i>African Entomology</i> , 2010, 18, 87-98.	0.6	12
68	A review of the alderfly genus <i>Leptosialis</i> Esben-Petersen (Megaloptera, Sialidae) with description of a new species from South Africa. <i>ZooKeys</i> , 2012, 201, 27-41.	0.5	12
69	Phylogeny of the family <i>Trogidae</i> (Coleoptera: Carabaeoidea) inferred from mitochondrial and nuclear ribosomal DNA sequence data. <i>Systematic Entomology</i> , 2014, 39, 548-562.	1.7	12
70	Deducing the coefficient of relationship by the amount of recombination produced during automictic parthenogenesis. <i>Heredity</i> , 1993, 70, 499-502.	1.2	11
71	Successful identification of the final instar nymph of <i>Quintilia carinata</i> (Thunberg) (Hemiptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.2	11
72	The temporal occurrence of flesh flies (Diptera, Sarcophagidae) at carrion-baited traps in Grahamstown, South Africa. <i>African Invertebrates</i> , 2017, 58, 1-8.	0.5	11

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73	Co-occurrence of mated workers and a mated queen in a colony of <i>Platythyrea arnoldi</i> (Hymenoptera: Formicidae). South African Journal of Zoology, 1993, 28, 56-57.	0.5	10
74	Amplified fragment length polymorphism confirms reciprocal monophyly in <i>Chrysomya putoria</i> and <i>Chrysomya chloropyga</i> : a correction of reported shared mtDNA haplotypes. Medical and Veterinary Entomology, 2012, 26, 116-119.	0.7	9
75	Optimising design and effort for environmental surveys using dung beetles (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.4	9
76	Out of Africa? A dated molecular phylogeny of the cicada tribe Platyleurini Schmidt (Hemiptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Audinetâ€šerville. Systematic Entomology, 2019, 44, 842-861.	1.7	9
77	The cicada genus <i>Bavea</i> Distant 1905 (Homoptera Tibicinidae): redescription, distribution and phylogenetic affinities. Tropical Zoology, 1993, 6, 435-440.	0.6	8
78	The cicada genus <i>Nyaran</i> . gen. (Homoptera Cicadidae): systematics, behaviour and conservation status. Tropical Zoology, 1999, 12, 157-163.	0.6	8
79	Karyology of three evolutionarily hexaploid southern African species of yellowfish, <i>Labeobarbus</i> RÄ¼ppel, 1836 (Cyprinidae). African Zoology, 2007, 42, 254-260.	0.2	7
80	Cutaneous Myiasis: Is <i>Lucilia cuprina</i> Safe and Acceptable for Maggot Debridement Therapy?. Journal of Cosmetics Dermatological Sciences and Applications, 2012, 02, 79-82.	0.1	7
81	Molecular phylogeny of <i>Chondrocyclus</i> (Gastropoda: Cyclophoridae), a widespread genus of sedentary, restricted-range snails. Molecular Phylogenetics and Evolution, 2019, 131, 193-210.	1.2	7
82	The Distribution, Habitat, Diet and Forensic Significance of the Scarab <i>Frankenbergerius forcipatus</i> (Harold, 1881) (Coleoptera: Scarabaeidae). African Invertebrates, 2012, 53, 745-749.	0.5	6
83	Phylogeographic, morphometric and taxonomic re-evaluation of the river sardine, <i>Mesobola brevianalis</i> (Boulenger, 1908) (Teleostei, Cyprinidae, Chedrini). ZooKeys, 2016, 641, 121-150.	0.5	6
84	Trophic preference of southern African dung beetles (Scarabaeoidea: Scarabaeinae and Aphodiinae) and its influence on bioindicator surveys. African Journal of Ecology, 2018, 56, 938-948.	0.4	6
85	Determination of species and instars of the larvae of the Afrotropical species of <i>Thanatophilus</i> Leach, 1817 (Coleoptera, Silphidae). African Invertebrates, 2017, 58, 1-10.	0.5	6
86	Does mating trigger egg laying in the ant <i>Ophthalmopone berthoudi</i> Forel (Hymenoptera Formicidae)?. Ethology Ecology and Evolution, 1992, 4, 389-394.	0.6	5
87	The cicada genus <i>Tugelana</i> Distant 1912 (Homoptera Cicadoidea): systematics and distribution. Tropical Zoology, 1994, 7, 87-92.	0.6	5
88	Sexual dimorphism and tail length in widowbirds and bishopbirds (Ploceidae: <i>Euplectes</i> spp.): a reassessment. Ibis, 1998, 140, 137-143.	1.0	5
89	Definitions of <i>caste</i> in social insects. Ethology Ecology and Evolution, 1992, 4, 213-224.	0.6	4
90	The cicada genus <i>Stagean</i> . gen. (Homoptera Tibicinidae): systematics. Tropical Zoology, 1994, 7, 293-297.	0.6	4

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91	Redescription of three species of the genus <i>Platypleura</i> Amyot & Serville 1843 (Hemiptera: Cicadidae). <i>Tropical Zoology</i> , 1997, 10, 321-332.	0.6	4
92	Karyology of the redfin minnows, genus <i>Pseudobarbus</i> Smith, 1841 (Teleostei: Cyprinidae): one of the evolutionarily tetraploid lineages of South African barbines. <i>African Zoology</i> , 2006, 41, 178-182.	0.2	4
93	Song Analysis of South African Pygmy Bladder Cicadas (Hemiptera: Cicadidae: Cicadettinae: Tj ETQq1 1 0.784314 rgrBT /Overlock 10 Tf	1.3	4
94	Sperm ultrastructure and spermatodesm morphology of the spittle bug <i>Locris transversa</i> (Thunberg 1822) (Hemiptera: Cercopidae). <i>Invertebrate Reproduction and Development</i> , 2016, 60, 87-94.	0.3	4
95	Habitat requirements affect genetic variation in three species of mayfly (Ephemeroptera, Baetidae) from South Africa. <i>ZooKeys</i> , 2020, 936, 1-24.	0.5	4
96	Metrological framework for selecting morphological characters to identify species and estimate developmental maturity of forensically significant insect specimens. <i>Forensic Sciences Research</i> , 2021, 6, 75-83.	0.9	3
97	The first record of <i>Omosita nearctica</i> Kirejtshuk (Coleoptera, Nitidulidae) in South Africa, with the first description of its mature larva. <i>African Invertebrates</i> , 2021, 62, 257-271.	0.5	3
98	Checklist, endemism, English vernacular names and identification of the cicadas (Insecta, Hemiptera,) Tj ETQq0 0 0 rgrBT /Overlock 10 Tf	0.5	3
99	<i>Afromelampsalta</i> , a new genus, a new species, and five new combinations of African cicadettine cicadas (Hemiptera: Cicadidae: Cicadettinae). <i>Zootaxa</i> , 2020, 4731, 531-542.	0.2	2
100	Baited Traps May Be an Alternative to Conventional Pesticides in Integrated Crop Management of Chicory (Compositae) in South Africa. <i>Journal of Economic Entomology</i> , 2008, 101, 99-106.	0.8	2
101	Re-evaluation of Ashton's types of African cicadas (Homoptera: Cicadidae). <i>Tropical Zoology</i> , 1999, 12, 209-218.	0.6	1
102	3000 Miles from Home: A New <i>Gastrosericus baobabicus</i> Pulawski, 1995 (Hymenoptera, Larridae) Distribution Record Highlights that the Sahel has a Distinct Entomofaunal Signature. <i>African Entomology</i> , 2011, 19, 730-732.	0.6	1
103	Two new species of <i>Xosopsaltria</i> Kirkaldy, 1904, with a key to the species of South African pygmy bladder cicadas (Hemiptera: Cicadidae: Cicadettinae: Tettigomyiini). <i>Zootaxa</i> , 2016, 4092, 195-206.	0.2	1
104	Revision of the Afrotropical genus <i>Fainia</i> Zumpt, 1958, with notes on the morphology of Rhiniidae subfamilies (Diptera, Oestroidea). <i>ZooKeys</i> , 2021, 1033, 127-157.	0.5	1
105	Authorship and Responsibility. <i>African Entomology</i> , 2008, 16, iii-iv.	0.6	0
106	A New Species of <i>Buyisa</i> Distant, 1907 (Hemiptera: Cicadidae: Cicadettinae: Cicadettini) from South Africa. <i>Proceedings of the Entomological Society of Washington</i> , 2021, 123, .	0.0	0
107	A confirmed feeding attempt by the haematophagous horse fly <i>Philoliche (Philoliche) rondani</i> (Bertoloni, 1861) (Diptera: Tabanidae) on fresh carrion. <i>Biodiversity Data Journal</i> , 2022, 10, e77507.	0.4	0