

Wolfgang WÃ¼ster

List of Publications by Year in descending order

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97
papers

7,449
citations

53794

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104
docs citations

104
times ranked

5442
citing authors

#	ARTICLE	IF	CITATIONS
1	Mohave Rattlesnake (<i>Crotalus scutulatus</i>) Identification Revisited. Wilderness and Environmental Medicine, 2022, 33, 210-218.	0.9	3
2	How do King Cobras move across a major highway? Unintentional wildlife crossing structures may facilitate movement. Ecology and Evolution, 2022, 12, e8691.	1.9	3
3	Interpopulational variation and ontogenetic shift in the venom composition of Lataste's viper (<i>Vipera</i>) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf	2.4	8
4	Convergent evolution of toxin resistance in animals. Biological Reviews, 2022, 97, 1823-1843.	10.4	20
5	Bacterial Adaptation to Venom in Snakes and Arachnida. Microbiology Spectrum, 2022, 10, .	3.0	13
6	Crowdsourcing snake identification with online communities of professional herpetologists and avocational snake enthusiasts. Royal Society Open Science, 2021, 8, 201273.	2.4	11
7	Convergent evolution of pain-inducing defensive venom components in spitting cobras. Science, 2021, 371, 386-390.	12.6	96
8	Genome-wide data implicate terminal fusion automixis in king cobra facultative parthenogenesis. Scientific Reports, 2021, 11, 7271.	3.3	10
9	Unexpected lack of specialisation in the flow properties of spitting cobra venom. Journal of Experimental Biology, 2021, 224, .	1.7	2
10	Confronting taxonomic vandalism in biology: conscientious community self-organization can preserve nomenclatural stability. Biological Journal of the Linnean Society, 2021, 133, 645-670.	1.6	16
11	An evaluation of the nomina for death adders (<i>Acanthophis</i> Daudin, 1803) proposed by Wells & Wellington (1985), and confirmation of <i>A. cryptamydros</i> Maddock et al., 2015 as the valid name for the Kimberley death adder. Zootaxa, 2021, 4995, 161-172.	0.5	0
12	Citizen science and online data: Opportunities and challenges for snake ecology and action against snakebite. Toxicon: X, 2021, 9-10, 100071.	2.9	10
13	Promoting co-existence between humans and venomous snakes through increasing the herpetological knowledge base. Toxicon: X, 2021, 12, 100081.	2.9	21
14	King or royal family? Testing for species boundaries in the King Cobra, <i>Ophiophagus hannah</i> (Cantor,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.7	9
15	Evaluating taxonomic inflation: towards evidence-based species delimitation in Eurasian vipers (<i>Serpentes: Viperinae</i>). Amphibia - Reptilia, 2020, 41, 285-311.	0.5	45
16	Fangs for the Memories? A Survey of Pain in Snakebite Patients Does Not Support a Strong Role for Defense in the Evolution of Snake Venom Composition. Toxins, 2020, 12, 201.	3.4	20
17	Deconstructing compassionate conservation. Conservation Biology, 2019, 33, 760-768.	4.7	53
18	Ancient habitat shifts and organismal diversification are decoupled in the African viper genus <i>Bitis</i> (<i>Serpentes: Viperidae</i>). Journal of Biogeography, 2019, 46, 1234-1248.	3.0	26

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19	When one phenotype is not enough: divergent evolutionary trajectories govern venom variation in a widespread rattlesnake species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182735.	2.6	64
20	The medical threat of mamba envenoming in sub-Saharan Africa revealed by genus-wide analysis of venom composition, toxicity and antivenomics profiling of available antivenoms. <i>Journal of Proteomics</i> , 2018, 172, 173-189.	2.4	80
21	Integration of nuclear and mitochondrial gene sequences and morphology reveals unexpected diversity in the forest cobra (<i>Naja melanoleuca</i>) species complex in Central and West Africa (Serpentes: Elapidae). <i>Zootaxa</i> , 2018, 4455, 68-98.	0.5	33
22	Venom Complexity in a Pitviper Produced by Facultative Parthenogenesis. <i>Scientific Reports</i> , 2018, 8, 11539.	3.3	14
23	Widespread vulnerability of Malagasy predators to the toxins of an introduced toad. <i>Current Biology</i> , 2018, 28, R654-R655.	3.9	22
24	Taxonomy based on science is necessary for global conservation. <i>PLoS Biology</i> , 2018, 16, e2005075.	5.6	149
25	Differential procoagulant effects of saw-scaled viper (Serpentes: Viperidae: Echis) snake venoms on human plasma and the narrow taxonomic ranges of antivenom efficacies. <i>Toxicology Letters</i> , 2017, 280, 159-170.	0.8	69
26	Multi-locus phylogeny and species delimitation of Australo-Papuan blacksnakes (<i>Pseudechis</i> Wagler.) <i>Tj ETQq0 0 0 regBT /Overlock 10 Tf</i>	2.7	9
27	Venom On-a-Chip: A Fast and Efficient Method for Comparative Venomics. <i>Toxins</i> , 2017, 9, 179.	3.4	17
28	Phylogeography of the Central American lancehead <i>Bothrops asper</i> (SERPENTES: VIPERIDAE). <i>PLoS ONE</i> , 2017, 12, e0187969.	2.5	36
29	Is Hybridization a Source of Adaptive Venom Variation in Rattlesnakes? A Test, Using a <i>Crotalus scutulatus</i> – <i>viridis</i> Hybrid Zone in Southwestern New Mexico. <i>Toxins</i> , 2016, 8, 188.	3.4	29
30	Phylogeny and diversification of mountain vipers (<i>Montivipera</i> , Nilson et al., 2001) triggered by multiple Pliocene refugia and high-mountain topography in the Near and Middle East. <i>Molecular Phylogenetics and Evolution</i> , 2016, 101, 336-351.	2.7	43
31	A new species of death adder (<i>Acanthophis</i> : Serpentes: Elapidae) from north-western Australia. <i>Zootaxa</i> , 2015, 4007, 301-26.	0.5	9
32	Widespread convergence in toxin resistance by predictable molecular evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11911-11916.	7.1	130
33	Medically important differences in snake venom composition are dictated by distinct postgenomic mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9205-9210.	7.1	253
34	The king cobra genome reveals dynamic gene evolution and adaptation in the snake venom system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20651-20656.	7.1	412
35	Complex cocktails: the evolutionary novelty of venoms. <i>Trends in Ecology and Evolution</i> , 2013, 28, 219-229.	8.7	785
36	Phylogeography of the widespread African puff adder (<i>Bitis arietans</i>) reveals multiple Pliocene refugia in southern Africa. <i>Molecular Ecology</i> , 2013, 22, 1134-1157.	3.9	71

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37	Anonymous nuclear markers for the African adders (Serpentes: Viperidae: Bitis). Conservation Genetics Resources, 2012, 4, 967-969.	0.8	5
38	Dynamic evolution of venom proteins in squamate reptiles. Nature Communications, 2012, 3, 1066.	12.8	86
39	Venom lethality and diet: Differential responses of natural prey and model organisms to the venom of the saw-scaled vipers (Echis). Toxicon, 2012, 59, 110-116.	1.6	52
40	The structural and functional diversification of the Toxicofera reptile venom system. Toxicon, 2012, 60, 434-448.	1.6	142
41	Domain Loss Facilitates Accelerated Evolution and Neofunctionalization of Duplicate Snake Venom Metalloproteinase Toxin Genes. Molecular Biology and Evolution, 2011, 28, 2637-2649.	8.9	147
42	On the generic classification of the rattlesnakes, with special reference to the Neotropical Crotalus durissus complex (Squamata: Viperidae). Zoologia, 2011, 28, 417-419.	0.5	6
43	Ending the drought: New strategies for improving the flow of affordable, effective antivenoms in Asia and Africa. Journal of Proteomics, 2011, 74, 1735-1767.	2.4	206
44	Gene Tree Parsimony of Multilocus Snake Venom Protein Families Reveals Species Tree Conflict as a Result of Multiple Parallel Gene Loss. Molecular Biology and Evolution, 2011, 28, 1157-1172.	8.9	24
45	What's your poison?. Heredity, 2010, 104, 519-519.	2.6	3
46	Pre-Clinical Assays Predict Pan-African Echis Viper Efficacy for a Species-Specific Antivenom. PLoS Neglected Tropical Diseases, 2010, 4, e851.	3.0	89
47	Destruction of the collection of reptiles and arthropods at Butantan Institute: a view from the United Kingdom. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2010, 16, .	1.4	9
48	Phylogeography and systematic revision of the Egyptian cobra (Serpentes: Elapidae: Naja haje) species complex, with the description of a new species from West Africa. Zootaxa, 2009, 2236, 1-25.	0.5	22
49	In praise of subgenera: taxonomic status of cobras of the genus Naja Laurenti (Serpentes: Elapidae). Zootaxa, 2009, 2236, 26-36.	0.5	50
50	Coevolution of diet and prey-specific venom activity supports the role of selection in snake venom evolution. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2443-2449.	2.6	273
51	Comparative venom gland transcriptome surveys of the saw-scaled vipers (Viperidae: Echis) reveal substantial intra-family gene diversity and novel venom transcripts. BMC Genomics, 2009, 10, 564.	2.8	135
52	When continents collide: Phylogeny, historical biogeography and systematics of the medically important viper genus Echis (Squamata: Serpentes: Viperidae). Molecular Phylogenetics and Evolution, 2009, 53, 792-807.	2.7	125
53	Recent Advances in Venomous Snake Systematics. , 2009, , 25-64.		1
54	A nesting of vipers: Phylogeny and historical biogeography of the Viperidae (Squamata: Serpentes). Molecular Phylogenetics and Evolution, 2008, 49, 445-459.	2.7	218

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55	Origin of the eastern brownsnake, <i>Pseudonaja textilis</i> (Dumeril, Bibron and Dumeril) (Serpentes: Tj ETQq1 1 0.784314 rgBT /Overlock 1 on the status of <i>Pseudonaja textilis pughii</i> Hoser 2003. <i>Zootaxa</i> , 2008, 1703, 47.	0.5	15
56	Get an eyeful of this: a new species of giant spitting cobra from eastern and north-eastern Africa (Squamata: Serpentes: Elapidae: <i>Naja</i>). <i>Zootaxa</i> , 2007, 1532, 51-68.	0.5	25
57	The phylogeny of cobras inferred from mitochondrial DNA sequences: Evolution of venom spitting and the phylogeography of the African spitting cobras (Serpentes: Elapidae: <i>Naja nigricollis</i> complex). <i>Molecular Phylogenetics and Evolution</i> , 2007, 45, 437-453.	2.7	95
58	Phylogeographic patterns of trans-Amazonian vicariants and Amazonian biogeography: the Neotropical rattlesnake (<i>Crotalus durissus</i> complex) as an example. <i>Journal of Biogeography</i> , 2007, 34, 1296-1312.	3.0	61
59	The good, the bad and the ugly: Australian snake taxonomists and a history of the taxonomy of Australia's venomous snakes. <i>Toxicon</i> , 2006, 48, 919-930.	1.6	25
60	Roles of CITES in Protecting New Species. <i>Science</i> , 2006, 313, 915c-916c.	12.6	3
61	Snakes across the Strait: trans-Torresian phylogeographic relationships in three genera of Australasian snakes (Serpentes: Elapidae: <i>Acanthophis</i> , <i>Oxyuranus</i> , and <i>Pseudechis</i>). <i>Molecular Phylogenetics and Evolution</i> , 2005, 34, 1-14.	2.7	78
62	Tracing an invasion: landbridges, refugia, and the phylogeography of the Neotropical rattlesnake (Serpentes: Viperidae: <i>Crotalus durissus</i>). <i>Molecular Ecology</i> , 2005, 14, 1095-1108.	3.9	174
63	No rattlesnakes in the rainforests: reply to Gosling and Bush. <i>Molecular Ecology</i> , 2005, 14, 3619-3621.	3.9	5
64	Morphological correlates of incipient arboreality and ornithophagy in island pitvipers, and the phylogenetic position of <i>Bothrops insularis</i> . <i>Journal of Zoology</i> , 2005, 266, 1-10.	1.7	46
65	Do aposematism and Batesian mimicry require bright colours? A test, using European viper markings. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 2495-2499.	2.6	130
66	Assembling an Arsenal: Origin and Evolution of the Snake Venom Proteome Inferred from Phylogenetic Analysis of Toxin Sequences. <i>Molecular Biology and Evolution</i> , 2004, 21, 870-883.	8.9	206
67	A review of the southern African "spitting" cobras (Serpentes: Elapidae: <i>Naja</i>). <i>African Journal of Herpetology</i> , 2004, 53, 101-122.	0.9	24
68	Molecular Evolution and Phylogeny of Elapid Snake Venom Three-Finger Toxins. <i>Journal of Molecular Evolution</i> , 2003, 57, 110-129.	1.8	319
69	Isolation of a Neurotoxin (?-colubritoxin) from a Nonvenomous Colubrid: Evidence for Early Origin of Venom in Snakes. <i>Journal of Molecular Evolution</i> , 2003, 57, 446-452.	1.8	138
70	A new species of spitting cobra (<i>Naja</i>) from north-eastern Africa (Serpentes: Elapidae). <i>Journal of Zoology</i> , 2003, 259, 345-359.	1.7	27
71	Analysis of Colubroidea snake venoms by liquid chromatography with mass spectrometry: evolutionary and toxicological implications. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2047-2062.	1.5	141
72	Effectiveness of Snake Antivenom: Species and Regional Venom Variation and Its Clinical Impact. <i>Toxin Reviews</i> , 2003, 22, 23-34.	1.5	64

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73	The conserved structure of snake venom toxins confers extensive immunological cross-reactivity to toxin-specific antibody. <i>Toxicon</i> , 2003, 41, 441-449.	1.6	52
74	A NEW SPECIES OF WOLF SNAKE (SERPENTES: COLUBRIDAE: LYCODON) FROM THE CARDAMOM MOUNTAINS, SOUTHWESTERN CAMBODIA. <i>Herpetologica</i> , 2002, 58, 498-504.	0.4	34
75	Electrospray liquid chromatography/mass spectrometry fingerprinting of <i>Acanthophis</i> (death adder) venoms: taxonomic and toxicological implications. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 600-608.	1.5	70
76	Combining mitochondrial DNA sequences and morphological data to infer species boundaries: phylogeography of lanceheaded pitvipers in the Brazilian Atlantic forest, and the status of <i>Bothrops pradoi</i> (Squamata: Serpentes: Viperidae). <i>Journal of Evolutionary Biology</i> , 2001, 14, 527-538.	1.7	86
77	Historical Biogeography of the Western Rattlesnake (Serpentes: Viperidae: <i>Crotalus viridis</i>), Inferred from Mitochondrial DNA Sequence Information. <i>Molecular Phylogenetics and Evolution</i> , 2000, 15, 269-282.	2.7	106
78	Synopsis of recent developments in venomous snake systematics, No. 3. <i>Toxicon</i> , 1999, 37, 1123-1129.	1.6	20
79	Evidence that humidity influences snake activity patterns: a field study of the Malayan pit viper <i>Calloselasma rhodostoma</i> . <i>Ecography</i> , 1998, 21, 25-34.	4.5	63
80	Synopsis of recent developments in venomous snake systematics, No. 2. <i>Toxicon</i> , 1998, 36, 299-307.	1.6	30
81	Congruence between morphological variation and altitudinal gradient across a hybrid zone between carrion and hooded crows. <i>Italian Journal of Zoology</i> , 1998, 65, 407-412.	0.6	4
82	Intraspecific Variation in the Feeding Ecology of the Crotaline Snake <i>Calloselasma rhodostoma</i> in Southeast Asia. <i>Journal of Herpetology</i> , 1998, 32, 198.	0.5	42
83	Synopsis of recent developments in venomous snake systematics. <i>Toxicon</i> , 1997, 35, 319-340.	1.6	56
84	Redescription of <i>Naja siamensis</i> (Serpentes: Elapidae), a widely overlooked spitting cobra from S.E. Asia: geographic variation, medical importance and designation of a neotype. <i>Journal of Zoology</i> , 1997, 243, 771-788.	1.7	17
85	Electrophoretic profiles and biological activities: Intraspecific variation in the venom of the malayan pit viper (<i>Calloselasma rhodostoma</i>). <i>Toxicon</i> , 1996, 34, 67-79.	1.6	80
86	Taxonomic changes and toxinology: Systematic revisions of the asiatic cobras (<i>Naja naja</i> species) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.6	95
87	Reviews of venomous snake systematics in <i>Toxicon</i> . <i>Toxicon</i> , 1996, 34, 397-398.	1.6	11
88	Venomous snake systematics: implications for snakebite treatment and toxinology. <i>Toxicon</i> , 1996, 34, 143.	1.6	9
89	Diet and snake venom evolution. <i>Nature</i> , 1996, 379, 537-540.	27.8	593
90	Population systematics of the snake genus <i>Naja</i> (Reptilia: Serpentes: Elapidae) in Indochina: Multivariate morphometrics and comparative mitochondrial DNA sequencing (cytochrome oxidase I). <i>Journal of Evolutionary Biology</i> , 1995, 8, 493-510.	1.7	33

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91	Treatment of snake bites by Bothrops species and Lachesis muta in Ecuador: laboratory screening of candidate antivenoms. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1995, 89, 550-554.	1.8	48
92	Naja siamensis, a cryptic species of venomous snake revealed by mtDNA sequencing. Experientia, 1994, 50, 75-79.	1.2	19
93	Defensive Hemipenis Display in the Kukri Snake Oligodon cyclurus. Journal of Herpetology, 1992, 26, 238.	0.5	3
94	Population systematics of Russell's viper: a multivariate study. Biological Journal of the Linnean Society, 1992, 47, 97-113.	1.6	52
95	Geographic variation and population systematics: Distinguishing between ecogenetics and phylogenetics. Bollettino Di Zoologia, 1991, 58, 329-335.	0.3	42
96	Asiatic cobras: Systematics and snakebite. Experientia, 1991, 47, 205-209.	1.2	47
97	Population affinities of the asiatic cobra (Naja naja) species complex in south-east Asia: reliability and random resampling. Biological Journal of the Linnean Society, 1989, 36, 391-409.	1.6	37