

# Wolfgang Nentwig

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2242508/publications.pdf>

Version: 2024-02-01

81  
papers

7,597  
citations

109321

35  
h-index

76900

74  
g-index

83  
all docs

83  
docs citations

83  
times ranked

8044  
citing authors

#	ARTICLE	IF	CITATIONS
1	The World Spider Trait database: a centralized global open repository for curated data on spider traits. Database: the Journal of Biological Databases and Curation, 2021, 2021, .	3.0	30
2	Linear Peptidesâ€”A Combinatorial Innovation in the Venom of Some Modern Spiders. Frontiers in Molecular Biosciences, 2021, 8, 705141.	3.5	2
3	Using structured eradication feasibility assessment to prioritize the management of new and emerging invasive alien species in Europe. Global Change Biology, 2020, 26, 6235-6250.	9.5	22
4	Neurotoxin Merging: A Strategy Deployed by the Venom of the Spider Cupiennius salei to Potentiate Toxicity on Insects. Toxins, 2020, 12, 250.	3.4	11
5	Towards establishment of a centralized spider traits database. Journal of Arachnology, 2020, 48, .	0.5	18
6	How to deal with destroyed type material? The case of Embrik Strand (Arachnida: Araneae). Arachnologische Mitteilungen, 2020, 59, 22.	0.3	9
7	Spider Venom: Components, Modes of Action, and Novel Strategies in Transcriptomic and Proteomic Analyses. Toxins, 2019, 11, 611.	3.4	71
8	The Dual Prey-Inactivation Strategy of Spidersâ€”In-Depth Venomic Analysis of Cupiennius salei. Toxins, 2019, 11, 167.	3.4	35
9	Diversity and origin of the spider fauna of the Indian Ocean islands. , 2019, 18, 172.		4
10	Global rise in emerging alien species results from increased accessibility of new source pools. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2264-E2273.	7.1	416
11	Identification of a precursor processing protease from the spider Cupiennius salei essential for venom neurotoxin maturation. Journal of Biological Chemistry, 2018, 293, 2079-2090.	3.4	23
12	More than â€œ100 worstâ€•alien species in Europe. Biological Invasions, 2018, 20, 1611-1621.	2.4	200
13	Developing a framework of minimum standards for the risk assessment of alien species. Journal of Applied Ecology, 2018, 55, 526-538.	4.0	141
14	Socioâ€•economic impact classification of alien taxa (<scp>SEICAT</scp>). Methods in Ecology and Evolution, 2018, 9, 159-168.	5.2	244
15	Assessing the assessments: evaluation of four impact assessment protocols for invasive alien species. Diversity and Distributions, 2017, 23, 297-307.	4.1	44
16	Impact of Non-native Animals and Plants on Human Health. , 2017, , 277-293.		14
17	Distribution and medical aspects of Loxosceles rufescens , one of the most invasive spiders of the world (Araneae: Sicariidae). Toxicon, 2017, 132, 19-28.	1.6	49
18	Global hotspots and correlates of alien species richness across taxonomic groups. Nature Ecology and Evolution, 2017, 1, .	7.8	315

#	ARTICLE	IF	CITATIONS
19	Peptidomic and transcriptomic profiling of four distinct spider venoms. PLoS ONE, 2017, 12, e0172966.	2.5	25
20	The generic impact scoring system (GISS): a standardized tool to quantify the impacts of alien species. Environmental Monitoring and Assessment, 2016, 188, 315.	2.7	88
21	Combining morphology, DNA sequences, and morphometrics: revising closely related species in the orb-weaving spider genus <i>Araniella</i> (Araneae, Tetragnathidae). <i>Journal of Arachnology</i> , 2016, 42, 1-10.	1.0	10
22	Scoring environmental and socioeconomic impacts of alien plants invasive in Europe. Biological Invasions, 2016, 18, 3697-3711.	2.4	71
23	How informative are case studies of spider bites in the medical literature?. Toxicon, 2016, 114, 40-44.	1.6	17
24	Framework and guidelines for implementing the proposed IUCN Environmental Impact Classification for Alien Taxa (EICAT). Diversity and Distributions, 2015, 21, 1360-1363.	4.1	184
25	Environmental and economic impact assessment of alien and invasive fish species in Europe using the generic impact scoring system. Ecology of Freshwater Fish, 2015, 24, 646-656.	1.4	47
26	Hunting Without a Web: How Lycosoid Spiders Subdue their Prey. Ethology, 2015, 121, 1166-1177.	1.1	29
27	Introduction, establishment rate, pathways and impact of spiders alien to Europe. Biological Invasions, 2015, 17, 2757-2778.	2.4	53
28	Comparing impacts of alien plants and animals in Europe using a standard scoring system. Journal of Applied Ecology, 2015, 52, 552-561.	4.0	116
29	Isolation, N-glycosylations and Function of a Hyaluronidase-Like Enzyme from the Venom of the Spider <i>Cupiennius salei</i> . PLoS ONE, 2015, 10, e0143963.	2.5	23
30	Alien aquatics in Europe: assessing the relative environmental and socio-economic impacts of invasive aquatic macroinvertebrates and other taxa. Management of Biological Invasions, 2015, 6, 341-350.	1.2	29
31	The new Southeast Asian goblin spider genus <i>Aposphragisma</i> (Araneae, Oonopidae): diversity and phylogeny. Zootaxa, 2014, 3798, 1.	0.5	7
32	A Unified Classification of Alien Species Based on the Magnitude of their Environmental Impacts. PLoS Biology, 2014, 12, e1001850.	5.6	648
33	Functional differentiation of spider hemocytes by light and transmission electron microscopy, and MALDI-MS-imaging. Developmental and Comparative Immunology, 2014, 43, 59-67.	2.3	23
34	A verified spider bite and a review of the literature confirm Indian ornamental tree spiders ( <i>Poecilotheria</i> species) as underestimated theraphosids of medical importance. Toxicon, 2014, 77, 73-77.	1.6	22
35	A two year study of verified spider bites in Switzerland and a review of the European spider bite literature. Toxicon, 2013, 73, 104-110.	1.6	38
36	Spider Venoms Potentially Lethal to Humans. , 2013, , 253-264.		13

#	ARTICLE	IF	CITATIONS
37	Intraguild predation between the invasive ladybird <i>Harmonia axyridis</i> and non-target European coccinellid species. <i>BioControl</i> , 2013, 58, 73-83.	2.0	59
38	A Venom-derived Neurotoxin, CsTx-1, from the Spider <i>Cupiennius salei</i> Exhibits Cytolytic Activities. <i>Journal of Biological Chemistry</i> , 2012, 287, 25640-25649.	3.4	35
39	Multicomponent venom of the spider <i>Cupiennius salei</i> : a bioanalytical investigation applying different strategies. <i>FEBS Journal</i> , 2012, 279, 2683-2694.	4.7	27
40	Venom Composition and Strategies in Spiders. <i>Advances in Insect Physiology</i> , 2011, 40, 1-86.	2.7	121
41	Response to Strubbe et al. (2011): Impact scoring of invasive birds is justified. <i>Biological Conservation</i> , 2011, 144, 2747.	4.1	5
42	Purification, cDNA structure and biological significance of a single insulin-like growth factor-binding domain protein (SIBD-1) identified in the hemocytes of the spider <i>Cupiennius salei</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 891-901.	2.7	16
43	Weak or strong invaders? A comparison of impact between the native and invaded ranges of mammals and birds alien to Europe. <i>Diversity and Distributions</i> , 2011, 17, 663-672.	4.1	20
44	How to find a needle in a haystack - host plant finding of the weevil <i>Ceratapion onopordi</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2011, 139, 68-74.	1.4	9
45	Rapid spread of the wasp spider <i>Argiope bruennichi</i> across Europe: a consequence of climate change?. <i>Climatic Change</i> , 2011, 109, 319-329.	3.6	32
46	Cupiennin 1a exhibits a remarkably broad, non-stereospecific cytolytic activity on bacteria, protozoan parasites, insects, and human cancer cells. <i>Amino Acids</i> , 2011, 40, 69-76.	2.7	42
47	Socioeconomic legacy yields an invasion debt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 203-207.	7.1	442
48	Does feeding on Bt-maize affect the slug <i>Arion vulgaris</i> (Mollusca: Arionidae)?. <i>Biocontrol Science and Technology</i> , 2010, 20, 13-18.	1.3	5
49	Expression of defensins in non-infected araneomorph spiders. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 2643-2651.	5.4	20
50	Progress in erigonine spider phylogeny—the Savignia-group is not monophyletic (Araneae: Linyphiidae). <i>Organisms Diversity and Evolution</i> , 2010, 10, 297-310.	1.6	15
51	A Generic Impact Scoring System Applied to Alien Mammals in Europe. <i>Conservation Biology</i> , 2010, 24, 302-311.	4.7	141
52	Body size–climate relationships of European spiders. <i>Journal of Biogeography</i> , 2010, 37, 477-485.	3.0	83
53	Contrasting patterns in the invasions of European terrestrial and freshwater habitats by alien plants, insects and vertebrates. <i>Global Ecology and Biogeography</i> , 2010, 19, 317-331.	5.8	154
54	The role of non-native plants and vertebrates in defining patterns of compositional dissimilarity within and across continents. <i>Global Ecology and Biogeography</i> , 2010, 19, 332-342.	5.8	52

#	ARTICLE	IF	CITATIONS
55	The burrow system of the common vole ( <i>M. arvalis</i> , Rodentia) in Switzerland. <i>Mammalia</i> , 2010, 74, 311-315.	0.7	15
56	How well do we understand the impacts of alien species on ecosystem services? A pan-European, cross-taxa assessment. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 135-144.	4.0	870
57	Some alien birds have as severe an impact as the most effectual alien mammals in Europe. <i>Biological Conservation</i> , 2010, 143, 2757-2762.	4.1	96
58	Response—A Standardized Response to Biological Invasions. <i>Science</i> , 2009, 325, 146-147.	12.6	1
59	Determinants of local ant (Hymenoptera: Formicidae) species richness and activity density across Europe. <i>Ecological Entomology</i> , 2009, 34, 748-754.	2.2	12
60	Alien species in a warmer world: risks and opportunities. <i>Trends in Ecology and Evolution</i> , 2009, 24, 686-693.	8.7	1,031
61	Glossary of the Main Technical Terms Used in the Handbook. , 2009, , 375-379.		19
62	Will Threat of Biological Invasions Unite the European Union?. <i>Science</i> , 2009, 324, 40-41.	12.6	279
63	Contrasting responses of arable spiders to the landscape matrix at different spatial scales. <i>Journal of Biogeography</i> , 2008, 35, 157-166.	3.0	103
64	Alien spider introductions to Europe supported by global trade. <i>Diversity and Distributions</i> , 2008, 14, 273-280.	4.1	80
65	Spatial aspects of trait homogenization within the German flora. <i>Journal of Biogeography</i> , 2008, 35, 2289-2297.	3.0	21
66	Control of <i>Impatiens glandulifera</i> (Balsaminaceae) by Antagonists in its Invaded Range. <i>Invasive Plant Science and Management</i> , 2008, 1, 352-358.	1.1	9
67	Establishing systemic rust infections in <i>Cirsium arvense</i> in the field. <i>Biocontrol Science and Technology</i> , 2008, 18, 209-214.	1.3	7
68	CSTX-1, a toxin from the venom of the hunting spider <i>Cupiennius salei</i> , is a selective blocker of L-type calcium channels in mammalian neurons. <i>Neuropharmacology</i> , 2007, 52, 1650-1662.	4.1	35
69	Spider venom: enhancement of venom efficacy mediated by different synergistic strategies in <i>Cupiennius salei</i> . <i>Journal of Experimental Biology</i> , 2005, 208, 2115-2121.	1.7	45
70	CSTX-13, a highly synergistically acting two-chain neurotoxic enhancer in the venom of the spider <i>Cupiennius salei</i> (Ctenidae). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11251-11256.	7.1	40
71	Biochemistry, toxicology and ecology of the venom of the spider <i>Cupiennius salei</i> (Ctenidae). <i>Toxicon</i> , 2004, 43, 543-553.	1.6	81
72	Cupiennin 1, a New Family of Highly Basic Antimicrobial Peptides in the Venom of the Spider <i>Cupiennius salei</i> (Ctenidae). <i>Journal of Biological Chemistry</i> , 2002, 277, 11208-11216.	3.4	95

#	ARTICLE	IF	CITATIONS
73	Cupiennin 1d*: the cytolytic activity depends on the hydrophobic N-terminus and is modulated by the polar C-terminus. FEBS Letters, 2002, 527, 193-198.	2.8	28
74	The venom optimisation hypothesis: a spider injects large venom quantities only into difficult prey types. Toxicon, 2002, 40, 749-752.	1.6	104
75	A lysine rich C-terminal tail is directly involved in the toxicity of CSTX-1, a neurotoxic peptide from the venom of the spider <i>Cupiennius salei</i> . Archives of Insect Biochemistry and Physiology, 2000, 44, 101-111.	1.5	25
76	Purification of toxic peptides and the amino acid sequence of CSTX-1 from the multicomponent venom of <i>Cupiennius salei</i> (Araneae:Ctenidae). Toxicon, 1994, 32, 287-302.	1.6	66
77	A tropical caterpillar that mimics faeces, leaves and a snake (Lepidoptera: Oxytenidae: <i>Oxytenis naemia</i> ). The Journal of Research on the Lepidoptera, 1985, 24, 136-141.	0.1	5
78	Spiders (Araneae). Chapter 7.3. BioRisk, 0, 4, 131-147.	0.2	14
79	Environmental and economic impact of alien terrestrial arthropods in Europe. NeoBiota, 0, 22, 23-42.	1.0	35
80	Troubling travellers: are ecologically harmful alien species associated with particular introduction pathways?. NeoBiota, 0, 32, 1-20.	1.0	58
81	Consistency of impact assessment protocols for non-native species. NeoBiota, 0, 44, 1-25.	1.0	45