

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	Alien species in a warmer world: risks and opportunities. Trends in Ecology and Evolution, 2009, 24, 686-693.	8.7	1,031
2	How well do we understand the impacts of alien species on ecosystem services? A pan-European, cross-taxa assessment. Frontiers in Ecology and the Environment, 2010, 8, 135-144.	4.0	870
3	A Unified Classification of Alien Species Based on the Magnitude of their Environmental Impacts. PLoS Biology, 2014, 12, e1001850.	5.6	648
4	Socioeconomic legacy yields an invasion debt. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 203-207.	7.1	442
5	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
6	Global hotspots and correlates of alien species richness across taxonomic groups. Nature Ecology and Evolution, 2017, 1, .	7.8	315
7	Will Threat of Biological Invasions Unite the European Union?. Science, 2009, 324, 40-41.	12.6	279
8	Socioeconomic impact classification of alien taxa (<scp>SEICAT</scp>). Methods in Ecology and Evolution, 2018, 9, 159-168.	5.2	244
9	More than 100 worst alien species in Europe. Biological Invasions, 2018, 20, 1611-1621.	2.4	200
10	Framework and guidelines for implementing the proposed <scp>IUCN</scp> Environmental Impact Classification for Alien Taxa (<scp>EICAT</scp>). Diversity and Distributions, 2015, 21, 1360-1363.	4.1	184
11	Contrasting patterns in the invasions of European terrestrial and freshwater habitats by alien plants, insects and vertebrates. Global Ecology and Biogeography, 2010, 19, 317-331.	5.8	154
12	A Generic Impact Scoring System Applied to Alien Mammals in Europe. Conservation Biology, 2010, 24, 302-311.	4.7	141
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	Venom Composition and Strategies in Spiders. Advances in Insect Physiology, 2011, 40, 1-86.	2.7	121
15	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
16	The venom optimisation hypothesis: a spider injects large venom quantities only into difficult prey types. Toxicon, 2002, 40, 749-752.	1.6	104
17	Contrasting responses of arable spiders to the landscape matrix at different spatial scales. Journal of Biogeography, 2008, 35, 157-166.	3.0	103
18	Some alien birds have as severe an impact as the most effectual alien mammals in Europe. Biological Conservation, 2010, 143, 2757-2762.	4.1	96

#	ARTICLE	IF	CITATIONS
19	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
20	The generic impact scoring system (GISS): a standardized tool to quantify the impacts of alien species. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 315.	2.7	88
21	Body size–climate relationships of European spiders. <i>Journal of Biogeography</i> , 2010, 37, 477-485.	3.0	83
22	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
23	Alien spider introductions to Europe supported by global trade. <i>Diversity and Distributions</i> , 2008, 14, 273-280.	4.1	80
24	Scoring environmental and socioeconomic impacts of alien plants invasive in Europe. <i>Biological Invasions</i> , 2016, 18, 3697-3711.	2.4	71
25	Spider Venom: Components, Modes of Action, and Novel Strategies in Transcriptomic and Proteomic Analyses. <i>Toxins</i> , 2019, 11, 611.	3.4	71
26	Purification of toxic peptides and the amino acid sequence of CSTX-1 from the multicomponent venom of <i>Cupiennius salei</i> (Araneae:Ctenidae). <i>Toxicon</i> , 1994, 32, 287-302.	1.6	66
27	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
28	Troubling travellers: are ecologically harmful alien species associated with particular introduction pathways?. <i>NeoBiota</i> , 0, 32, 1-20.	1.0	58
29	Introduction, establishment rate, pathways and impact of spiders alien to Europe. <i>Biological Invasions</i> , 2015, 17, 2757-2778.	2.4	53
30	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
31	Distribution and medical aspects of <i>Loxosceles rufescens</i> , one of the most invasive spiders of the world (Araneae: Sicariidae). <i>Toxicon</i> , 2017, 132, 19-28.	1.6	49
32	Environmental and economic impact assessment of alien and invasive fish species in Europe using the generic impact scoring system. <i>Ecology of Freshwater Fish</i> , 2015, 24, 646-656.	1.4	47
33	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
34	Consistency of impact assessment protocols for non-native species. <i>NeoBiota</i> , 0, 44, 1-25.	1.0	45
35	Assessing the assessments: evaluation of four impact assessment protocols for invasive alien species. <i>Diversity and Distributions</i> , 2017, 23, 297-307.	4.1	44
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	A two year study of verified spider bites in Switzerland and a review of the European spider bite literature. <i>Toxicon</i> , 2013, 73, 104-110.	1.6	38
39	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
40	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
41	The Dual Prey-Inactivation Strategy of Spiders—In-Depth Venomic Analysis of <i>Cupiennius salei</i> . <i>Toxins</i> , 2019, 11, 167.	3.4	35
42	Environmental and economic impact of alien terrestrial arthropods in Europe. <i>NeoBiota</i> , 0, 22, 23-42.	1.0	35
43	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
44	The World Spider Trait database: a centralized global open repository for curated data on spider traits. <i>Database: the Journal of Biological Databases and Curation</i> , 2021, 2021, .	3.0	30
45	Hunting Without a Web: How Lycosoid Spiders Subdue their Prey. <i>Ethology</i> , 2015, 121, 1166-1177.	1.1	29
46	Alien aquatics in Europe: assessing the relative environmental and socio-economic impacts of invasive aquatic macroinvertebrates and other taxa. <i>Management of Biological Invasions</i> , 2015, 6, 341-350.	1.2	29
47	Cupiennin 1d*: the cytolytic activity depends on the hydrophobic N-terminus and is modulated by the polar C-terminus. <i>FEBS Letters</i> , 2002, 527, 193-198.	2.8	28
48	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
49	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> . <i>Archives of Insect Biochemistry and Physiology</i> , 2000, 44, 101-111.	1.5	25
50	Peptidomic and transcriptomic profiling of four distinct spider venoms. <i>PLoS ONE</i> , 2017, 12, e0172966.	2.5	25
51	Functional differentiation of spider hemocytes by light and transmission electron microscopy, and MALDI-MS-imaging. <i>Developmental and Comparative Immunology</i> , 2014, 43, 59-67.	2.3	23
52	Identification of a precursor processing protease from the spider <i>Cupiennius salei</i> essential for venom neurotoxin maturation. <i>Journal of Biological Chemistry</i> , 2018, 293, 2079-2090.	3.4	23
53	Isolation, N-glycosylations and Function of a Hyaluronidase-Like Enzyme from the Venom of the Spider <i>Cupiennius salei</i> . <i>PLoS ONE</i> , 2015, 10, e0143963.	2.5	23
54	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. <i>Toxicon</i> , 2014, 77, 73-77.	1.6	22

#	ARTICLE	IF	CITATIONS
55	Using structured eradication feasibility assessment to prioritize the management of new and emerging invasive alien species in Europe. <i>Global Change Biology</i> , 2020, 26, 6235-6250.	9.5	22
56	Spatial aspects of trait homogenization within the German flora. <i>Journal of Biogeography</i> , 2008, 35, 2289-2297.	3.0	21
57	Expression of defensins in non-infected araneomorph spiders. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 2643-2651.	5.4	20
58	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
59	Glossary of the Main Technical Terms Used in the Handbook. , 2009, , 375-379.		19
60	Towards establishment of a centralized spider traits database. <i>Journal of Arachnology</i> , 2020, 48, .	0.5	18
61	How informative are case studies of spider bites in the medical literature?. <i>Toxicon</i> , 2016, 114, 40-44.	1.6	17
62	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
63	<p class="HeadingRunIn">Combining morphology, DNA sequences, and morphometrics: revising closely related species in the orb-weaving spider genus Araniella (Araneae,) Tj ETQq1 1 0.7843 145rgBT /Overlock		16
64	Progress in erigonine spider phylogenyâ€”the Savignia-group is not monophyletic (Araneae: Linyphiidae). <i>Organisms Diversity and Evolution</i> , 2010, 10, 297-310.	1.6	15
65	The burrow system of the common vole (<i>M. arvalis</i>, Rodentia) in Switzerland. <i>Mammalia</i> , 2010, 74, 311-315.	0.7	15
66	Spiders (Araneae). Chapter 7.3. <i>BioRisk</i> , 0, 4, 131-147.	0.2	14
67	Impact of Non-native Animals and Plants on Human Health. , 2017, , 277-293.		14
68	Spider Venoms Potentially Lethal to Humans. , 2013, , 253-264.		13
69	Determinants of local ant (Hymenoptera: Formicidae) species richness and activity density across Europe. <i>Ecological Entomology</i> , 2009, 34, 748-754.	2.2	12
70	Neurotoxin Merging: A Strategy Deployed by the Venom of the Spider <i>Cupiennius salei</i> to Potentiate Toxicity on Insects. <i>Toxins</i> , 2020, 12, 250.	3.4	11
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	How to deal with destroyed type material? The case of Embrik Strand (Arachnida: Araneae). Arachnologische Mitteilungen, 2020, 59, 22.	0.3	9
74	Establishing systemic rust infections in <i>Cirsium arvense</i> in the field. Biocontrol Science and Technology, 2008, 18, 209-214.	1.3	7
75	The new Southeast Asian goblin spider genus Aposphragisma (Araneae, Oonopidae): diversity and phylogeny. Zootaxa, 2014, 3798, 1.	0.5	7
76	Does feeding on Bt-maize affect the slug <i>Arion vulgaris</i> (Mollusca: Arionidae)? Biocontrol Science and Technology, 2010, 20, 13-18.	1.3	5
77	Response to Strubbe et al. (2011): Impact scoring of invasive birds is justified. Biological Conservation, 2011, 144, 2747.	4.1	5
78	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
79	Diversity and origin of the spider fauna of the Indian Ocean islands. , 2019, 18, 172.		4
80	Linear Peptidesâ€”A Combinatorial Innovation in the Venom of Some Modern Spiders. Frontiers in Molecular Biosciences, 2021, 8, 705141.	3.5	2
81	Responseâ€”A Standardized Response to Biological Invasions. Science, 2009, 325, 146-147.	12.6	1