

# Amanda Nouwens

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

877  
citations

535685

17  
h-index

563245

28  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Neurotoxic Activity in <i>Calliophis intestinalis</i> Venom. <i>Neurotoxicity Research</i> , 2022, 40, 173-178.	1.3	3
2	Electric Blue: Molecular Evolution of Three-Finger Toxins in the Long-Glanded Coral Snake Species <i>Calliophis bivirgatus</i> . <i>Toxins</i> , 2021, 13, 124.	1.5	9
3	Serum proteomes of Santa Gertrudis cattle before and after infestation with <i>Rhipicephalus australis</i> ticks. <i>Parasite Immunology</i> , 2021, 43, e12836.	0.7	3
4	The sweet side of venom: Glycosylated prothrombin activating metalloproteases from <i>Dispholidus typus</i> (boomslang) and <i>Thelotornis mossambicanus</i> (twig snake). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 227, 108625.	1.3	11
5	Assessing the Binding of Venoms from Aquatic Elapids to the Nicotinic Acetylcholine Receptor Orthosteric Site of Different Prey Models. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7377.	1.8	12
6	A symmetry or asymmetry: Functional and compositional comparison of venom from the left and right glands of the Indochinese spitting cobra ( <i>Naja siamensis</i> ). <i>Toxicon: X</i> , 2020, 7, 100050.	1.2	3
7	Effects of increased scrotal temperature on semen quality and seminal plasma proteins in Brahman bulls. <i>Molecular Reproduction and Development</i> , 2020, 87, 574-597.	1.0	12
8	The Toxicological Intersection between Allergen and Toxin: A Structural Comparison of the Cat Dander Allergenic Protein Fel d1 and the Slow Loris Brachial Gland Secretion Protein. <i>Toxins</i> , 2020, 12, 86.	1.5	9
9	A comparative proteomic analysis of <i>Desulfovibrio vulgaris</i> Hildenborough in response to the antimicrobial agent free nitrous acid. <i>Science of the Total Environment</i> , 2019, 672, 625-633.	3.9	13
10	Habu coagulotoxicity: Clinical implications of the functional diversification of Protobothrops snake venoms upon blood clotting factors. <i>Toxicology in Vitro</i> , 2019, 55, 62-74.	1.1	27
11	Mechanisms of Persistence of the Ammonia-Oxidizing Bacteria <i>Nitrosomonas</i> to the Biocide Free Nitrous Acid. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5386-5397.	4.6	52
12	Proteomic and functional variation within black snake venoms (Elapidae: Pseudechis). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 205, 53-61.	1.3	14
13	Structural insights into the mechanism of inhibition of AHAS by herbicides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1945-E1954.	3.3	44
14	Mass spectrometry analysis of plasma from amyotrophic lateral sclerosis and control subjects. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2018, 19, 362-376.	1.1	38
15	Rattling the border wall: Pathophysiological implications of functional and proteomic venom variation between Mexican and US subspecies of the desert rattlesnake <i>Crotalus scutulatus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 205, 62-69.	1.3	27
16	Effect of the anode potential on the physiology and proteome of <i>Shewanella oneidensis</i> MR-1. <i>Bioelectrochemistry</i> , 2018, 119, 172-179.	2.4	22
17	Commercial AHAS-inhibiting herbicides are promising drug leads for the treatment of human fungal pathogenic infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9649-E9658.	3.3	40
18	Antifungal benzo[b]thiophene 1,1-dioxide IMPDH inhibitors exhibit pan-assay interference (PAINS) profiles. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5408-5419.	1.4	15

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19	Three-Finger Toxin Diversification in the Venoms of Cat-Eye Snakes (Colubridae: Boiga). <i>Journal of Molecular Evolution</i> , 2018, 86, 531-545.	0.8	14
20	Comparison of Protein Gut Samples from <i>Rhipicephalus</i> spp. Using a Crude and an Innovative Preparation Method for Proteome Analysis. <i>Veterinary Sciences</i> , 2018, 5, 30.	0.6	5
21	Altered Protein Expression of Primary Sea Turtle Cells Exposed to Contaminants Indicates the Potential for In Vitro Proteomics as a High Throughput Tool to Support Biomarker Discovery in Threatened Wildlife. <i>FASEB Journal</i> , 2018, 32, 802.7.	0.2	0
22	Comprehensive understanding of acetohydroxyacid synthase inhibition by different herbicide families. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1091-E1100.	3.3	102
23	The Evolution of Fangs, Venom, and Mimicry Systems in Blenny Fishes. <i>Current Biology</i> , 2017, 27, 1184-1191.	1.8	36
24	Venom Profiling of a Population of the Theraphosid Spider <i>Phlogius crassipes</i> Reveals Continuous Ontogenetic Changes from Juveniles through Adulthood. <i>Toxins</i> , 2017, 9, 116.	1.5	20
25	Coagulating Colubrids: Evolutionary, Pathophysiological and Biodiscovery Implications of Venom Variations between Boomslang ( <i>Dispholidus typus</i> ) and Twig Snake ( <i>Thelotornis mossambicanus</i> ). <i>Toxins</i> , 2017, 9, 171.	1.5	33
26	Nuclear Pore-Like Structures in a Compartmentalized Bacterium. <i>PLoS ONE</i> , 2017, 12, e0169432.	1.1	24
27	Rapid Radiations and the Race to Redundancy: An Investigation of the Evolution of Australian Elapid Snake Venoms. <i>Toxins</i> , 2016, 8, 309.	1.5	62
28	Canopy Venom: Proteomic Comparison among New World Arboreal Pit-Viper Venoms. <i>Toxins</i> , 2016, 8, 210.	1.5	7
29	The Snake with the Scorpion's Sting: Novel Three-Finger Toxin Sodium Channel Activators from the Venom of the Long-Glanded Blue Coral Snake ( <i>Calliophis bivirgatus</i> ). <i>Toxins</i> , 2016, 8, 303.	1.5	53
30	Commercial Herbicides Can Trigger the Oxidative Inactivation of Acetohydroxyacid Synthase. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4247-4251.	7.2	18
31	Commercial Herbicides Can Trigger the Oxidative Inactivation of Acetohydroxyacid Synthase. <i>Angewandte Chemie</i> , 2016, 128, 4319-4323.	1.6	2
32	Characterization and structural analysis of a potent anticoagulant phospholipase A2 from <i>Pseudechis australis</i> snake venom. <i>Toxicon</i> , 2016, 111, 37-49.	0.8	10
33	Firing the Sting: Chemically Induced Discharge of Cnidaria Reveals Novel Proteins and Peptides from Box Jellyfish ( <i>Chironex fleckeri</i> ) Venom. <i>Toxins</i> , 2015, 7, 936-950.	1.5	47
34	Extreme venom variation in Middle Eastern vipers: A proteomics comparison of <i>Eristicophis macmahonii</i> , <i>Pseudocerastes fieldi</i> and <i>Pseudocerastes persicus</i> . <i>Journal of Proteomics</i> , 2015, 116, 106-113.	1.2	21
35	Fossilized Venom: The Unusually Conserved Venom Profiles of <i>Heloderma</i> Species (Beaded Lizards and) <a href="#">Tj ETQq1 1,0,784314,rgBT/O</a>	1.5	18
36	Vintage venoms: Proteomic and pharmacological stability of snake venoms stored for up to eight decades. <i>Journal of Proteomics</i> , 2014, 105, 285-294.	1.2	12

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37	A ray of venom: Combined proteomic and transcriptomic investigation of fish venom composition using barb tissue from the blue-spotted stingray ( <i>Neotrygon kuhlii</i> ). <i>Journal of Proteomics</i> , 2014, 109, 188-198.	1.2	29
38	Quantitative multiple reaction monitoring analysis of synaptic proteins from human brain. <i>Journal of Neuroscience Methods</i> , 2014, 227, 189-210.	1.3	10