Bruno Lomonte

List of Publications by Year
in descending order

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310 papers	14,883 citations	14655 66 h-index	31849 101 g-index
339 all docs	339 docs citations	339 times ranked	4795 citing authors

#	Article	IF	Citations
1	In vivo treatment with varespladib, a phospholipase A2 inhibitor, prevents the peripheral neurotoxicity and systemic disorders induced by Micrurus corallinus (coral snake) venom in rats. Toxicology Letters, 2022, 356, 54-63.	0.8	17
2	Proteomic and toxicological analysis of the venom of Micrurus yatesi and its neutralization by an antivenom. Toxicon: X, 2022, 13, 100097.	2.9	6
3	Solving the microheterogeneity of Bothrops asper myotoxin-II by high-resolution mass spectrometry: Insights into C-terminal region variability in Lys49-phospholipase A2 homologs. Toxicon, 2022, 210, 123-131.	1.6	11
4	In Vivo Neutralization of Myotoxin II, a Phospholipase A₂ Homologue from Bothrops asper Venom, Using Peptides Discovered via Phage Display Technology. ACS Omega, 2022, 7, 15561-15569.	3.5	3
5	Partial efficacy of a Brazilian coralsnake antivenom and varespladib in neutralizing distinct toxic effects induced by sublethal Micrurus dumerilii carinicauda envenoming in rats. Toxicon, 2022, 213, 99-104.	1.6	6
6	In vitro discovery of a human monoclonal antibody that neutralizes lethality of cobra snake venom. MAbs, 2022, 14, .	5.2	22
7	Characterization of Extracellular Vesicles Secreted by a Clinical Isolate of Naegleria fowleri and Identification of Immunogenic Components within Their Protein Cargo. Biology, 2022, 11, 983.	2.8	10
8	The earless monitor lizard Lanthanotus borneensis â€“ A venomous animal?. Toxicon, 2021, 189, 73-78.	1.6	3
9	Cardiac effect induced by Crotalus durissus cascavella venom: Morphofunctional evidence and mechanism of action. Toxicology Letters, 2021, 337, 121-133.	0.8	7
10	Antivenomics and in vivo preclinical efficacy of six Latin American antivenoms towards south-western Colombian Bothrops asper lineage venoms. PLoS Neglected Tropical Diseases, 2021, 15, e0009073.	3.0	17
11	What's in a mass?. Biochemical Society Transactions, 2021, 49, 1027-1037.	3.4	3
12	Snake Venom Phospholipase A2 Toxins. , 2021, , 389-412.		5
13	Mutual enlightenment: A toolbox of concepts and methods for integrating evolutionary and clinical toxinology via snake venomics and the contextual stance. Toxicon: X, 2021, 9-10, 100070.	2.9	21
14	The synthetic varespladib molecule is a multi-functional inhibitor for PLA2 and PLA2-like ophidic toxins. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129913.	2.4	20
15	Localization of Myotoxin I and Myotoxin II from the venom of Bothrops asper in a murine model. Toxicon, 2021, 197, 48-54.	1.6	7
16	Cytotoxicity of snake venom Lys49 PLA2-like myotoxin on rat cardiomyocytes ex vivo does not involve a direct action on the contractile apparatus. Scientific Reports, 2021, 11, 19452.	3.3	10
17	Venomics of the poorly studied hognosed pitvipers Porthidium arcosae and Porthidium volcanicum. Journal of Proteomics, 2021, 249, 104379.	2.4	2
18	Molecular Architecture of the Antiophidic Protein DM64 and its Binding Specificity to Myotoxin II From Bothrops asper Venom. Frontiers in Molecular Biosciences, 2021, 8, 787368.	3.5	2

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19	Potent virucidal activity against Flaviviridae of a group IIA phospholipase A2 isolated from the venom of Bothrops asper. Biologicals, 2020, 63, 48-52.	1.4	17
20	12-HETE is a regulator of PGE2 production via COX-2 expression induced by a snake venom group IIA phospholipase A2 in isolated peritoneal macrophages. Chemico-Biological Interactions, 2020, 317, 108903.	4.0	10
21	Discovery of cross-reactive and recyclable human monoclonal antibodies for new recombinant antivenoms. Toxicon, 2020, 177, S38.	1.6	0
22	Venom variation in Bothrops asper lineages from North-Western South America. Journal of Proteomics, 2020, 229, 103945.	2.4	19
23	Immunological cross-recognition and neutralization studies of Micrurus mipartitus and Micrurus dumerilii venoms by two therapeutic equine antivenoms. Biologicals, 2020, 68, 40-45.	1.4	5
24	Danger in the Canopy. Comparative Proteomics and Bioactivities of the Venoms of the South American Palm Pit ViperBothrops bilineatusSubspeciesbilineatusandsmaragdinusand Antivenomics ofB. b. bilineatus(RondÃ´nia) Venom against the Brazilian Pentabothropic Antivenom. Journal of Proteome Research, 2020, 19, 3518-3532.	3.7	11
25	A Representative GIIA Phospholipase A2 Activates Preadipocytes to Produce Inflammatory Mediators Implicated in Obesity Development. Biomolecules, 2020, 10, 1593.	4.0	13
26	Lys49 myotoxins: Emerging insights into their modes of action. Toxicon, 2020, 177, S5.	1.6	2
27	Novel Snakebite Therapeutics Must Be Tested in Appropriate Rescue Models to Robustly Assess Their Preclinical Efficacy. Toxins, 2020, 12, 528.	3.4	24
28	Unity Makes Strength: Exploring Intraspecies and Interspecies Toxin Synergism between Phospholipases A2 and Cytotoxins. Frontiers in Pharmacology, 2020, 11, 611.	3.5	29
29	Development of Nanobodies Against Hemorrhagic and Myotoxic Components of Bothrops atrox Snake Venom. Frontiers in Immunology, 2020, 11, 655.	4.8	28
30	Functional, proteomic and transcriptomic characterization of the venom from Micrurus browni browni: Identification of the first lethal multimeric neurotoxin in coral snake venom. Journal of Proteomics, 2020, 225, 103863.	2.4	11
31	Comparative characterization of Viperidae snake venoms from PerÃº reveals two compositional patterns of phospholipase A2 expression. Toxicon: X, 2020, 7, 100044.	2.9	20
32	A Lipidomic Perspective of the Action of Group IIA Secreted Phospholipase A2 on Human Monocytes: Lipid Droplet Biogenesis and Activation of Cytosolic Phospholipase A2Î±. Biomolecules, 2020, 10, 891.	4.0	10
33	Editorial: Novel Immunotherapies Against Envenomings by Snakes and Other Venomous Animals. Frontiers in Immunology, 2020, 11, 1004.	4.8	7
34	Varespladib (LY315920) and Methyl Varespladib (LY333013) Abrogate or Delay Lethality Induced by Presynaptically Acting Neurotoxic Snake Venoms. Toxins, 2020, 12, 131.	3.4	64
35	Ontogenetic changes in the venom of Metlapilcoatlus nummifer, the mexican jumping viper. Toxicon, 2020, 184, 204-214.	1.6	10
36	Venomics of the Duvernoy's gland secretion of the false coral snake Rhinobothryum bovallii (Andersson, 1916) and assessment of venom lethality towards synapsid and diapsid animal models. Journal of Proteomics, 2020, 225, 103882.	2.4	12

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37	An interactive database for the investigation of high-density peptide microarray guided interaction patterns and antivenom cross-reactivity. PLoS Neglected Tropical Diseases, 2020, 14, e0008366.	3.0	10
38	Venom diversity in the Neotropical scorpion genus Tityus: Implications for antivenom design emerging from molecular and immunochemical analyses across endemic areas of scorpionism. Acta Tropica, 2020, 204, 105346.	2.0	18
39	Proteogenomic analysis of the Clostridium difficile exoproteome reveals a correlation between phylogenetic distribution and virulence potential. Anaerobe, 2020, 62, 102151.	2.1	5
40	Snake venomics, experimental toxic activities and clinical characteristics of human envenomation by Bothrocophias myersi (Serpentes: Viperidae) from Colombia. Journal of Proteomics, 2020, 220, 103758.	2.4	13
41	Venomics of the Central American Lyre Snake Trimorphodon quadruplex (Colubridae: Smith, 1941) from Costa Rica. Journal of Proteomics, 2020, 220, 103778.	2.4	11
42	Genetic and toxinological divergence among populations of Tityus trivittatus Kraepelin, 1898 (Scorpiones: Buthidae) inhabiting Paraguay and Argentina. PLoS Neglected Tropical Diseases, 2020, 14, e0008899.	3.0	4
43	Cloning, purification and characterization of nigrelysin, a novel actinoporin from the sea anemone Anthopleura nigrescens. Biochimie, 2019, 156, 206-223.	2.6	5
44	Horse immunization with short-chain consensus Î±-neurotoxin generates antibodies against broad spectrum of elapid venomous species. Nature Communications, 2019, 10, 3642.	12.8	50
45	Modeling Protein-Protein Interactions: a structural insight of myotoxin-antimyotoxin complex based on cross-linking data, resolved by mass spectrometry. Toxicon, 2019, 168, S27.	1.6	0
46	Isolation of two basic phospholipases A2 from Bothrops diporus snake venom: Comparative characterization and synergism between Asp49 and Lys49 variants. Toxicon, 2019, 168, 113-121.	1.6	18
47	A Secreted Phospholipase A2 Induces Formation of Smooth Muscle Foam Cells Which Transdifferentiate to Macrophage-Like State. Molecules, 2019, 24, 3244.	3.8	18
48	Novel three-finger toxins from Micrurus dumerilii and Micrurus mipartitus coral snake venoms: Phylogenetic relationships and characterization of Clarkitoxin-I-Mdum. Toxicon, 2019, 170, 85-93.	1.6	9
49	Venom characterization of the bark scorpion Centruroides edwardsii (Gervais 1843): Composition, biochemical activities and in vivo toxicity for potential prey. Toxicon, 2019, 171, 7-19.	1.6	16
50	Enzymatic labelling of snake venom phospholipase A2 toxins. Toxicon, 2019, 170, 99-107.	1.6	13
51	Three-finger toxins from the venom of Micrurus tschudii tschudii (desert coral snake): Isolation and characterization of tschuditoxin-I. Toxicon, 2019, 167, 144-151.	1.6	2
52	Harnessing phage display technology for discovery of human IgGs targeting clinically relevant toxins from the venom of the Central American coral snake (Micrurus nigrocinctus). Toxicon, 2019, 158, S45.	1.6	0
53	Harnessing human monoclonal antibodies for neutralisation of dendrotoxins in a murine model. Toxicon, 2019, 159, S14.	1.6	0
54	Proteomic profiling, functional characterization, and immunoneutralization of the venom of Porthidium porrasi, a pitviper endemic to Costa Rica. Acta Tropica, 2019, 193, 113-123.	2.0	10

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55	New insights into the phylogeographic distribution of the 3FTx/PLA2 venom dichotomy across genus Micrurus in South America. Journal of Proteomics, 2019, 200, 90-101.	2.4	34
56	Structural analysis of a myotoxin-antimyotoxin complex by cross-linking, mass spectrometry, and bioinformatics. Toxicon, 2019, 158, S29-S30.	1.6	0
57	First look into the venom of Roatan Island's critically endangered coral snake Micrurus ruatanus: Proteomic characterization, toxicity, immunorecognition and neutralization by an antivenom. Journal of Proteomics, 2019, 198, 177-185.	2.4	15
58	Structural basis for phospholipase A2-like toxin inhibition by the synthetic compound Varespladib (LY315920). Scientific Reports, 2019, 9, 17203.	3.3	49
59	Neutralizing properties of LY315920 toward snake venom group I and II myotoxic phospholipases A2. Toxicon, 2019, 157, 1-7.	1.6	50
60	Biochemical characterization of the venom of Central American scorpion Didymocentrus krausi Francke, 1978 (Diplocentridae) and its toxic effects in vivo and in vitro. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 217, 54-67.	2.6	9
61	Venom characterization of the three species of Ophryacus and proteomic profiling of O. sphenophrys unveils Sphenotoxin, a novel Crotoxin-like heterodimeric Î²-neurotoxin. Journal of Proteomics, 2019, 192, 196-207.	2.4	10
62	Proteomic and toxinological characterization of the venom of the South African Ringhals cobra Hemachatus haemachatus. Journal of Proteomics, 2018, 181, 104-117.	2.4	22
63	Intravascular hemolysis induced by phospholipases A 2 from the venom of the Eastern coral snake, Micrurus fulvius : Functional profiles of hemolytic and non-hemolytic isoforms. Toxicology Letters, 2018, 286, 39-47.	0.8	19
64	Unresolved issues in the understanding of the pathogenesis of local tissue damage induced by snake venoms. Toxicon, 2018, 148, 123-131.	1.6	40
65	A myotoxic Lys49 phospholipase A2-homologue is the major component of the venom of Bothrops cotiara from Misiones, Argentina. Toxicon, 2018, 148, 143-148.	1.6	12
66	Pros and cons of different therapeutic antibody formats for recombinant antivenom development. Toxicon, 2018, 146, 151-175.	1.6	125
67	Aggregation behavior of sodium 3-(octyloxy)-4-nitrobenzoate in aqueous solution. New Journal of Chemistry, 2018, 42, 19407-19414.	2.8	0
68	Innovative Immunization Strategies for Antivenom Development. Toxins, 2018, 10, 452.	3.4	58
69	Delayed Oral LY333013 Rescues Mice from Highly Neurotoxic, Lethal Doses of Papuan Taipan (Oxyuranus) Tj ETQq1 1 0.784314 rgBT /O	3.4	61
70	In vivo neutralization of dendrotoxin-mediated neurotoxicity of black mamba venom by oligoclonal human IgG antibodies. Nature Communications, 2018, 9, 3928.	12.8	73
71	A Snake Venom-Secreted Phospholipase A₂Induces Foam Cell Formation Depending on the Activation of Factors Involved in Lipid Homeostasis. Mediators of Inflammation, 2018, 2018, 1-13.	3.0	6
72	Cell surface nucleolin interacts with and internalizes Bothrops asper Lys49 phospholipase A2 and mediates its toxic activity. Scientific Reports, 2018, 8, 10619.	3.3	36

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73	Depletion of Complement Enhances the Clearance of Brucella abortus in Mice. Infection and Immunity, 2018, 86, .	2.2	2
74	Biological and Proteolytic Variation in the Venom of Crotalus scutulatus scutulatus from Mexico. Toxins, 2018, 10, 35.	3.4	32
75	A novel pentameric phospholipase A2 myotoxin (PophPLA2) from the venom of the pit viper Porthidium ophryomegas. International Journal of Biological Macromolecules, 2018, 118, 1-8.	7.5	8
76	MipLAAO, a new L-amino acid oxidase from the redtail coral snake Micrurus mipartitus. PeerJ, 2018, 6, e4924.	2.0	16
77	Screening for target toxins of the antiophidic protein DM64 through a gel-based interactomics approach. Journal of Proteomics, 2017, 151, 204-213.	2.4	7
78	Geographical variability of the venoms of four populations of Bothrops asper from Panama: Toxicological analysis and neutralization by a polyvalent antivenom. Toxicon, 2017, 132, 55-61.	1.6	19
79	Protein-species quantitative venomics: looking through a crystal ball. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2017, 23, 27.	1.4	26
80	Strategies in â€˜snake venomicsâ€™ aiming at an integrative view of compositional, functional, and immunological characteristics of venoms. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2017, 23, 26.	1.4	113
81	Articular inflammation induced by an enzymatically-inactive Lys49 phospholipase A2: activation of endogenous phospholipases contributes to the pronociceptive effect. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2017, 23, 18.	1.4	8
82	Primary structures and partial toxicological characterization of two phospholipases A2 from Micrurus mipartitus and Micrurus dumerilii coral snake venoms. Biochimie, 2017, 137, 88-98.	2.6	18
83	Pitfalls to avoid when using phage display for snake toxins. Toxicon, 2017, 126, 79-89.	1.6	14
84	Crystal structure of a phospholipase A2 from Bothrops asper venom: Insights into a new putative â€œmyotoxic clusterâ€. Biochimie, 2017, 133, 95-102.	2.6	18
85	High-density peptide microarray exploration of the antibody response in a rabbit immunized with a neurotoxic venom fraction. Toxicon, 2017, 138, 151-158.	1.6	12
86	Comparison of biochemical and cytotoxic activities of extracts obtained from dorsal spines and caudal fin of adult and juvenile non-native Caribbean lionfish (Pterois volitans/miles). Toxicon, 2017, 137, 158-167.	1.6	6
87	Proteomic analysis of venom variability and ontogeny across the arboreal palm-pitvipers (genus) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	44
88	Physicochemical characterization of jicaro seeds (Crescentia alata H.B.K.): A novel protein and oleaginous seed. Journal of Food Composition and Analysis, 2017, 56, 84-92.	3.9	10
89	Exploring the venom of the forest cobra snake: Toxicovenomics and antivenom profiling of Naja melanoleuca. Journal of Proteomics, 2017, 150, 98-108.	2.4	85
90	Preclinical Evaluation of the Efficacy of Antivenoms for Snakebite Envenoming: State-of-the-Art and Challenges Ahead. Toxins, 2017, 9, 163.	3.4	109

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91	Cross-recognition of a pit viper (Crotalinae) polyspecific antivenom explored through high-density peptide microarray epitope mapping. PLoS Neglected Tropical Diseases, 2017, 11, e0005768.	3.0	17
92	Exploration of immunoglobulin transcriptomes from mice immunized with three-finger toxins and phospholipases A₂from the Central American coral snake,Micrurus nigrocinctus. PeerJ, 2017, 5, e2924.	2.0	32
93	Venom of the Coral Snake Micrurus clarki: Proteomic Profile, Toxicity, Immunological Cross-Neutralization, and Characterization of a Three-Finger Toxin. Toxins, 2016, 8, 138.	3.4	34
94	Novel Catalytically-Inactive PII Metalloproteinases from a Viperid Snake Venom with Substitutions in the Canonical Zinc-Binding Motif. Toxins, 2016, 8, 292.	3.4	8
95	Venomic Analysis of the Poorly Studied Desert Coral Snake, Micrurus tschudii tschudii, Supports the 3FTx/PLA2 Dichotomy across Micrurus Venoms. Toxins, 2016, 8, 178.	3.4	44
96	Divergent functional profiles of acidic and basic phospholipases A2 in the venom of the snake Porthidium lansbergii lansbergii. Toxicon, 2016, 119, 289-298.	1.6	24
97	N-terminal domain of Bothrops asper Myotoxin II Enhances the Activity of Endothelin Converting Enzyme-1 and Neprilysin. Scientific Reports, 2016, 6, 22413.	3.3	8
98	Venoms of Micrurus coral snakes: Evolutionary trends in compositional patterns emerging from proteomic analyses. Toxicon, 2016, 122, 7-25.	1.6	89
99	High-throughput immuno-profiling of mamba (Dendroaspis) venom toxin epitopes using high-density peptide microarrays. Scientific Reports, 2016, 6, 36629.	3.3	33
100	Lemnitoxin, the major component of Micrurus lemniscatus coral snake venom, is a myotoxic and pro-inflammatory phospholipase A2. Toxicology Letters, 2016, 257, 60-71.	0.8	30
101	Characterization of a novel snake venom component: Kazal-type inhibitor-like protein from the arboreal pitviper Bothriechis schlegelii. Biochimie, 2016, 125, 83-90.	2.6	13
102	N-Formyl-Perosamine Surface Homopolysaccharides Hinder the Recognition of Brucella abortus by Mouse Neutrophils. Infection and Immunity, 2016, 84, 1712-1721.	2.2	8
103	Integrative characterization of the venom of the coral snake Micrurus dumerilii (Elapidae) from Colombia: Proteome, toxicity, and cross-neutralization by antivenom. Journal of Proteomics, 2016, 136, 262-273.	2.4	45
104	Toxicovenomics and antivenom profiling of the Eastern green mamba snake (Dendroaspis angusticeps) Tj ETQq0 0 0 rgBT /Overlock 10	2.4	70
105	From Fangs to Pharmacology: The Future of Snakebite Envenoming Therapy. Current Pharmaceutical Design, 2016, 22, 5270-5293.	1.9	101
106	A constant area monolayer method to assess optimal lipid packing for lipolysis tested with several secreted phospholipase A2. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2216-2224.	2.6	5
107	Proteomic and functional analyses of the venom of Porthidium lansbergii lansbergii (Lansberg's) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	34
108	First crotoxin-like phospholipase A2 complex from a New World non-rattlesnake species: Nigroviriditoxin, from the arboreal Neotropical snake Bothriechis nigroviridis. Toxicon, 2015, 93, 144-154.	1.6	23

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109	Unveiling the nature of black mamba (Dendroaspis polylepis) venom through venomics and antivenom immunoprofiling: Identification of key toxin targets for antivenom development. Journal of Proteomics, 2015, 119, 126-142.	2.4	102
110	Danger in the reef: Proteome, toxicity, and neutralization of the venom of the olive sea snake, Aipysurus laevis. Toxicon, 2015, 107, 187-196.	1.6	38
111	Snake venomics of monocled cobra (Naja kaouthia) and investigation of human IgG response against venom toxins. Toxicon, 2015, 99, 23-35.	1.6	60
112	Phospholipase A2 enhances the endothelial cell detachment effect of a snake venom metalloproteinase in the absence of catalysis. Chemico-Biological Interactions, 2015, 240, 30-36.	4.0	31
113	Snake venomics of Micrurus alleni and Micrurus mosquitensis from the Caribbean region of Costa Rica reveals two divergent compositional patterns in New World elapids. Toxicon, 2015, 107, 217-233.	1.6	59
114	A bright future for integrative venomics. Toxicon, 2015, 107, 159-162.	1.6	41
115	Selecting key toxins for focused development of elapid snake antivenoms and inhibitors guided by a Toxicity Score. Toxicon, 2015, 104, 43-45.	1.6	75
116	Phospholipases a2 from Viperidae snakes: Differences in membranotropic activity between enzymatically active toxin and its inactive isoforms. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 463-468.	2.6	24
117	An Asp49 Phospholipase A₂from Snake Venom Induces Cyclooxygenase-2 Expression and Prostaglandin E₂Production via Activation of NF-Î°B, p38MAPK, and PKC in Macrophages. Mediators of Inflammation, 2014, 2014, 1-10.	3.0	20
118	Isolation and characterization of four medium-size disintegrins from the venoms of Central American viperid snakes of the genera Atropoides, Bothrops, Cerrophidion and Crotalus. Biochimie, 2014, 107, 376-384.	2.6	17
119	Omics Meets Biology: Application to the Design and Preclinical Assessment of Antivenoms. Toxins, 2014, 6, 3388-3405.	3.4	52
120	Two color morphs of the pelagic yellow-bellied sea snake, Pelamis platura, from different locations of Costa Rica: Snake venomics, toxicity, and neutralization by antivenom. Journal of Proteomics, 2014, 103, 137-152.	2.4	39
121	Understanding structural and functional aspects of PII snake venom metalloproteinases: Characterization of BlatH1, a hemorrhagic dimeric enzyme from the venom of Bothriechis lateralis. Biochimie, 2014, 101, 145-155.	2.6	21
122	Venomous snakes of Costa Rica: Biological and medical implications of their venom proteomic profiles analyzed through the strategy of snake venomics. Journal of Proteomics, 2014, 105, 323-339.	2.4	97
123	Immunological profile of antivenoms: Preclinical analysis of the efficacy of a polyspecific antivenom through antivenomics and neutralization assays. Journal of Proteomics, 2014, 105, 340-350.	2.4	73
124	Proteomic and functional profiling of the venom of Bothrops ayerbei from Cauca, Colombia, reveals striking interspecific variation with Bothrops asper venom. Journal of Proteomics, 2014, 96, 159-172.	2.4	32
125	Venomics of New World pit vipers: Genus-wide comparisons of venom proteomes across Agkistrodon. Journal of Proteomics, 2014, 96, 103-116.	2.4	94
126	Comparative analysis of membranotropic properties of various phospholipases A2 from venom of snakes of the family viperidae. Doklady Biochemistry and Biophysics, 2014, 457, 125-127.	0.9	1

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127	Proteomic and toxicological profiling of the venom of Bothrocophias campbelli, a pitviper species from Ecuador and Colombia. Toxicon, 2014, 90, 15-25.	1.6	22
128	Intravascular hemolysis induced by the venom of the Eastern coral snake, Micrurus fulvius, in a mouse model: Identification of directly hemolytic phospholipases A2. Toxicon, 2014, 90, 26-35.	1.6	36
129	A structure-based proposal for a comprehensive myotoxic mechanism of phospholipase A2-like proteins from viperid snake venoms. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 2265-2276.	2.3	73
130	Critical Role of TLR2 and MyD88 for Functional Response of Macrophages to a Group IIA-Secreted Phospholipase A2 from Snake Venom. PLoS ONE, 2014, 9, e93741.	2.5	32
131	Synergism between Basic Asp49 and Lys49 Phospholipase A2 Myotoxins of Viperid Snake Venom In Vitro and In Vivo. PLoS ONE, 2014, 9, e109846.	2.5	76
132	Snake venomics ofBothrops punctatus, a semiarboreal pitviper species from Antioquia, Colombia. PeerJ, 2014, 2, e246.	2.0	14
133	Role of enzymatic activity in muscle damage and cytotoxicity induced byBothrops asperAsp49 phospholipase A₂myotoxins: are there additional effector mechanisms involved?. PeerJ, 2014, 2, e569.	2.0	45
134	Amino acid sequence and biological characterization of BlatPLA2, a non-toxic acidic phospholipase A2 from the venom of the arboreal snake Bothriechis lateralis from Costa Rica. Toxicon, 2013, 73, 71-80.	1.6	19
135	A catalytically-inactive snake venom Lys49 phospholipase A2 homolog induces expression of cyclooxygenase-2 and production of prostaglandins through selected signaling pathways in macrophages. European Journal of Pharmacology, 2013, 708, 68-79.	3.5	17
136	Preclinical assessment of a polyspecific antivenom against the venoms of Cerrophidion sasai, Porthidium nasutum and Porthidium ophryomegas: Insights from combined antivenomics and neutralization assays. Toxicon, 2013, 64, 60-69.	1.6	20
137	Homogenates of skeletal muscle injected with snake venom inhibit myogenic differentiation in cell culture. Muscle and Nerve, 2013, 47, 202-212.	2.2	10
138	Why myotoxin-containing snake venoms possess powerful nucleotidases?. Biochemical and Biophysical Research Communications, 2013, 430, 1289-1293.	2.1	33
139	Proteomic analysis of Bothrops pirajai snake venom and characterization of BpirMP, a new P-I metalloproteinase. Journal of Proteomics, 2013, 80, 250-267.	2.4	43
140	Phospholipases A2: Unveiling the secrets of a functionally versatile group of snake venom toxins. Toxicon, 2013, 62, 27-39.	1.6	210
141	Comparison of venom composition and biological activities of the subspecies Crotalus lepidus lepidus, Crotalus lepidus klauberi and Crotalus lepidus morulus from Mexico. Toxicon, 2013, 71, 84-95.	1.6	13
142	Assessing the preclinical efficacy of antivenoms: From the lethality neutralization assay to antivenomics. Toxicon, 2013, 69, 168-179.	1.6	66
143	Intraspecies variation in the venom of the rattlesnake Crotalus simus from Mexico: Different expression of crotoxin results in highly variable toxicity in the venoms of three subspecies. Journal of Proteomics, 2013, 87, 103-121.	2.4	67
144	A Lys49 Phospholipase<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:msub><mml:mtext>A</mml:mtext><mml:mtext>2</mml:mtext></mml:msub></mml:mrow></mml:math>, Isolated fromBothrops asperSnake Venom, Induces Lipid Droplet Formation in Macrophages Which Depends on Distinct Signaling Pathways and the C-Terminal Region. BioMed Research International, 2013, 2013, 1-14.	1.9	19

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290	Effect of storage temperature on the stability of the liquid polyvalent antivenom produced in Costa Rica. Toxicon, 1990, 28, 101-105.	1.6	25
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292	Dissociation of enzymatic and toxic activities by the use of antibodies. Toxicon, 1990, 28, 1245-1246.	1.6	1
293	Standardization of assays for testing the neutralizing ability of antivenoms. Toxicon, 1990, 28, 1127-1129.	1.6	73
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295	Isolation of basic myotoxins from Bothrops Moojeni and Bothrops Atrox snake venoms. Toxicon, 1990, 28, 1137-1146.	1.6	68
296	Histopathological and biochemical alterations induced by intramuscular injection of Bothrops asper (terciopelo) venom in mice. Toxicon, 1989, 27, 1085-1093.	1.6	23
297	A new muscle damaging toxin, myotoxin II, from the venom of the snake Bothrops asper (terciopelo). Toxicon, 1989, 27, 725-733.	1.6	206
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305	Comparative study of the edema-forming activity of costa rican snake venoms and its neutralization by a polyvalent antivenom. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1986, 85, 171-175.	0.2	33
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#	Article	IF	Citations
307	Isolation from a polyvalent antivenom of antibodies to a myotoxin in Bothrops asper snake venom. Toxicon, 1985, 23, 807-813.	1.6	17
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309	Local effects induced by coral snake venoms: Evidence of myonecrosis after experimental inoculations of venoms from five species. Toxicon, 1983, 21, 777-783.	1.6	57
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