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	Phospholipase A2 myotoxins from Bothrops snake venoms. Toxicon, 1995, 33, 1405-1424.	1.6	440
2	Venoms, venomics, antivenomics. FEBS Letters, 2009, 583, 1736-1743.	2.8	309
3	An overview of lysine-49 phospholipase A2 myotoxins from crotalid snake venoms and their structural determinants of myotoxic action. Toxicon, 2003, 42, 885-901.	1.6	286
4	Cellular pathology induced by snake venom phospholipase A2 myotoxins and neurotoxins: common aspects of their mechanisms of action. Cellular and Molecular Life Sciences, 2008, 65, 2897-2912.	5.4	230
5	Host response toBothrops asper snake venom. Inflammation, 1993, 17, 93-105.	3.8	222
6	Phospholipases A2: Unveiling the secrets of a functionally versatile group of snake venom toxins. Toxicon, 2013, 62, 27-39.	1.6	210
7	A new muscle damaging toxin, myotoxin II, from the venom of the snake Bothrops asper (terciopelo). Toxicon, 1989, 27, 725-733.	1.6	206
8	Snake Venomics of the Central American Rattlesnake Crotalus simus and the South American Crotalus durissus Complex Points to Neurotoxicity as an Adaptive Paedomorphic Trend along Crotalus Dispersal in South America. Journal of Proteome Research, 2010, 9, 528-544.	3.7	206
9	Myotoxin II from Bothrops asper (terciopelo) venom is a lysine-49 phospholipase A2. Archives of Biochemistry and Biophysics, 1991, 284, 352-359.	3.0	189
10	Medicinal Plants with Inhibitory Properties Against Snake Venoms. Current Medicinal Chemistry, 2005, 12, 2625-2641.	2.4	181
11	Snake population venomics and antivenomics of Bothrops atrox: Paedomorphism along its transamazonian dispersal and implications of geographic venom variability on snakebite management. Journal of Proteomics, 2011, 74, 510-527.	2.4	181
12	Snake venomics and antivenomics: Proteomic tools in the design and control of antivenoms for the treatment of snakebite envenoming. Journal of Proteomics, 2009, 72, 165-182.	2.4	180
13	Pharmacokinetic-Pharmacodynamic Relationships of Immunoglobulin Therapy for Envenomation. Clinical Pharmacokinetics, 2003, 42, 721-741.	3.5	177
14	Bactericidal activity of Lys49 and Asp49 myotoxic phospholipases A2 from Bothrops asper snake venom . Synthetic Lys49 myotoxin II-(115-129)-peptide identifies its bactericidal region. FEBS Journal, 1998, 253, 452-461.	0.2	161
15	Neutralization of local tissue damage induced by Bothrops asper (terciopelo) snake venom. Toxicon, 1998, 36, 1529-1538.	1.6	161
16	Structural and Functional Characterization of BnSP-7, a Lys49 Myotoxic Phospholipase A2 Homologue from Bothrops neuwiedi pauloensis Venom. Archives of Biochemistry and Biophysics, 2000, 378, 201-209.	3.0	158
17	Snake venomics and antivenomics of Bothrops atrox venoms from Colombia and the Amazon regions of Brazil, PerÃº and Ecuador suggest the occurrence of geographic variation of venom phenotype by a trend towards paedomorphism. Journal of Proteomics, 2009, 73, 57-78.	2.4	155
18	Myotoxic phospholipases A2 in Bothrops snake venoms: Effect of chemical modifications on the enzymatic and pharmacological properties of bothropstoxins from Bothrops jararacussu. Biochimie, 2000, 82, 755-763.	2.6	151

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19	Snake venom Lys49 myotoxins: From phospholipases A2 to non-enzymatic membrane disruptors. Toxicon, 2012, 60, 520-530.	1.6	146
20	Isolation, characterization and molecular cloning of AnMIP, a new Î±-type phospholipase A2 myotoxin inhibitor from the plasma of the snake Atropoides nummifer (Viperidae: Crotalinae). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2007, 146, 60-68.	1.6	145
21	Comparative study of the cytolytic activity of myotoxic phospholipases A2 on mouse endothelial (tEnd) and skeletal muscle (C2C12) cells in vitro. Toxicon, 1999, 37, 145-158.	1.6	141
22	Snake Venomics and Antivenomics of the Arboreal Neotropical Pitvipers Bothriechis lateralis and Bothriechis schlegelii. Journal of Proteome Research, 2008, 7, 2445-2457.	3.7	137
23	Trends in Snakebite Envenomation Therapy: Scientific, Technological and Public Health Considerations. Current Pharmaceutical Design, 2007, 13, 2935-2950.	1.9	125
24	Pros and cons of different therapeutic antibody formats for recombinant antivenom development. Toxicon, 2018, 146, 151-175.	1.6	125
25	The dynamics of local tissue damage induced by Bothrops asper snake venom and myotoxin II on the mouse cremaster muscle: An intravital and electron microscopic study. Toxicon, 1994, 32, 41-55.	1.6	124
26	Local Tissue Damage Induced by BaP1, a Metalloproteinase Isolated from Bothrops asper (Terciopelo) Snake Venom. Experimental and Molecular Pathology, 1995, 63, 186-199.	2.1	117
27	Snake Venomics of the Lesser Antillean Pit Vipers Bothrops caribbaeus and Bothrops lanceolatus: Correlation with Toxicological Activities and Immunoreactivity of a Heterologous Antivenom. Journal of Proteome Research, 2008, 7, 4396-4408.	3.7	116
28	Identification of the myotoxic site of the Lys49 phospholipase A2 from Agkistrodon piscivorus piscivorus snake venom: synthetic C-terminal peptides from Lys49, but not from Asp49 myotoxins, exert membrane-damaging activities. Toxicon, 2001, 39, 1587-1594.	1.6	114
29	Snake venomics of the South and Central American Bushmasters. Comparison of the toxin composition of Lachesis muta gathered from proteomic versus transcriptomic analysis. Journal of Proteomics, 2008, 71, 46-60.	2.4	114
30	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
31	Preclinical Evaluation of the Efficacy of Antivenoms for Snakebite Envenoming: State-of-the-Art and Challenges Ahead. Toxins, 2017, 9, 163.	3.4	109
32	Inhibition of Myotoxic Activity of Bothrops asper Myotoxin II by the Anti-trypanosomal Drug Suramin. Journal of Molecular Biology, 2005, 350, 416-426.	4.2	106
33	Venomic and Antivenomic Analyses of the Central American Coral Snake,Micrurus nigrocinctus(Elapidae). Journal of Proteome Research, 2011, 10, 1816-1827.	3.7	105
34	The effect of myotoxins isolated from Bothrops snake venoms on multilamellar liposomes: relationship to phospholipase A2, anticoagulant and myotoxic activities. Biochimica Et Biophysica Acta - Biomembranes, 1991, 1070, 455-460.	2.6	104
35	Antivenoms for Snakebite Envenomings. Inflammation and Allergy: Drug Targets, 2011, 10, 369-380.	1.8	104
36	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

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37	From Fangs to Pharmacology: The Future of Snakebite Envenoming Therapy. Current Pharmaceutical Design, 2016, 22, 5270-5293.	1.9	101
38	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
39	Profiling the venom gland transcriptomes of Costa Rican snakes by 454 pyrosequencing. BMC Genomics, 2011, 12, 259.	2.8	96
40	Structural and Functional Characterization of Myotoxin I, a Lys49 Phospholipase A2 Homologue from Bothrops moojeni (Caissaca) Snake Venom. Archives of Biochemistry and Biophysics, 2000, 373, 7-15.	3.0	95
41	Venomics of New World pit vipers: Genus-wide comparisons of venom proteomes across Agkistrodon. Journal of Proteomics, 2014, 96, 103-116.	2.4	94
42	Hyperalgesia induced by Asp49 and Lys49 phospholipases A2 from Bothrops asper snake venom: pharmacological mediation and molecular determinants. Toxicon, 2003, 41, 667-678.	1.6	93
43	Neutralization of the cytolytic and myotoxic activities of phospholipases A2 from Bothrops asper snake venom by glycosaminoglycans of the heparin/heparan sulfate family. Biochemical Pharmacology, 1994, 47, 1509-1518.	4.4	92
44	Venoms of Micrurus coral snakes: Evolutionary trends in compositional patterns emerging from proteomic analyses. Toxicon, 2016, 122, 7-25.	1.6	89
45	Systemic and local myotoxicity induced by snake venom group II phospholipases A2: Comparison between crotoxin, crotoxin B and a Lys49 PLA2 homologue. Toxicon, 2008, 51, 80-92.	1.6	88
46	The Phospholipase A2 Homologues of Snake Venoms: Biological Activities and Their Possible Adaptive Roles. Protein and Peptide Letters, 2009, 16, 860-876.	0.9	85
47	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
48	Broad cytolytic specificity of myotoxin II, a lysine-49 phospholipase A2 of Bothrops asper snake venom. Toxicon, 1994, 32, 1359-1369.	1.6	81
49	Isolation and partial characterization of a myotoxin from the venom of the snake Bothrops nummifer. Toxicon, 1986, 24, 885-894.	1.6	79
50	Snake Venomics of Central American Pitvipers: Clues for Rationalizing the Distinct Envenomation Profiles of Atropoides nummifer and Atropoides picadoi. Journal of Proteome Research, 2008, 7, 708-719.	3.7	77
51	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
52	Comparative study of synthetic peptides corresponding to region 115â€“129 in Lys49 myotoxic phospholipases A2 from snake venoms. Toxicon, 2003, 42, 307-312.	1.6	75
53	Biochemistry and toxicology of toxins purified from the venom of the snake Bothrops asper. Toxicon, 2009, 54, 949-957.	1.6	75
54	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

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55	Standardization of assays for testing the neutralizing ability of antivenoms. Toxicon, 1990, 28, 1127-1129.	1.6	73
56	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
57	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
58	In vivo neutralization of dendrotoxin-mediated neurotoxicity of black mamba venom by oligoclonal human IgG antibodies. Nature Communications, 2018, 9, 3928.	12.8	73
59	Comparison between IgG and F(abâ€²)2 polyvalent antivenoms: neutralization of systemic effects induced by Bothrops asper venom in mice, extravasation to muscle tissue, and potential for induction of adverse reactions. Toxicon, 2001, 39, 793-801.	1.6	72
60	Isolation of an acidic phospholipase A2 from the venom of the snake Bothrops asper of Costa Rica: Biochemical and toxicological characterizationâ˜†. Biochimie, 2010, 92, 273-283.	2.6	72
61	Proteomic and biological characterization of the venom of the redtail coral snake, Micrurus mipartitus (Elapidae), from Colombia and Costa Rica. Journal of Proteomics, 2011, 75, 655-667.	2.4	72
62	Myonecrosis induced in mice by a basic myotoxin isolated from the venom of the snake Bothrops nummifer (jumping viper) from Costa Rica. Toxicon, 1989, 27, 735-745.	1.6	71
63	Activation of cellular functions in macrophages by venom secretory Asp-49 and Lys-49 phospholipases A2. Toxicon, 2005, 46, 523-532.	1.6	71
64	Antimicrobial activity of myotoxic phospholipases A2 from crotalid snake venoms and synthetic peptide variants derived from their C-terminal region. Toxicon, 2005, 45, 807-815.	1.6	70
65	Toxicovenomics and antivenom profiling of the Eastern green mamba snake (Dendroaspis angusticeps) Tj ETQq1 1 0.784314 rgBT /Ov	2.4	70
66	Isolation and biochemical, functional and structural characterization of a novel l-amino acid oxidase from Lachesis muta snake venom. Toxicon, 2012, 60, 1263-1276.	1.6	69
67	Isolation of basic myotoxins from Bothrops Moojeni and Bothrops Atrox snake venoms. Toxicon, 1990, 28, 1137-1146.	1.6	68
68	Biochemical characterization and pharmacological properties of a phospholipase A2 myotoxin inhibitor from the plasma of the snake Bothrops asper. Biochemical Journal, 1997, 326, 853-859.	3.7	68
69	Inhibitory effects of Piper umbellatum and Piper peltatum extracts towards myotoxic phospholipases A2 from Bothrops snake venoms: Isolation of 4-nerolidylcatechol as active principle. Phytochemistry, 2005, 66, 1017-1025.	2.9	68
70	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
71	Snake venom phospholipase A2s (Asp49 and Lys49) induce mechanical allodynia upon peri-sciatic administration: involvement of spinal cord glia, proinflammatory cytokines and nitric oxide. Pain, 2004, 108, 180-191.	4.2	66
72	Calcium imaging of muscle cells treated with snake myotoxins reveals toxin synergism and presence of acceptors. Cellular and Molecular Life Sciences, 2009, 66, 1718-1728.	5.4	66

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73	Bothrops snake myotoxins induce a large efflux of ATP and potassium with spreading of cell damage and pain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14140-14145.	7.1	66
74	Assessing the preclinical efficacy of antivenoms: From the lethality neutralization assay to antivenomics. Toxicon, 2013, 69, 168-179.	1.6	66
75	Phospholipases A2 from viperidae snake venoms: how do they induce skeletal muscle damage?. Acta Chimica Slovenica, 2011, 58, 647-59.	0.6	66
76	Varespladib (LY315920) and Methyl Varespladib (LY333013) Abrogate or Delay Lethality Induced by Presynaptically Acting Neurotoxic Snake Venoms. Toxins, 2020, 12, 131.	3.4	64
77	Neurotoxicity and Other Pharmacological Activities of the Snake Venom Phospholipase A2 OS2:â€‰ The N-Terminal Region Is More Important Than Enzymatic Activity. Biochemistry, 2006, 45, 5800-5816.	2.5	63
78	Neutralization of four Peruvian Bothrops sp. snake venoms by polyvalent antivenoms produced in PerÃº and Costa Rica: preclinical assessment. Acta Tropica, 2005, 93, 85-95.	2.0	61
79	Delayed Oral LY333013 Rescues Mice from Highly Neurotoxic, Lethal Doses of Papuan Taipan (Oxyuranus) Tj ETQq1 1 0.784314 rgBT /C	3.4	61
80	Snake venomics of monocled cobra (Naja kaouthia) and investigation of human IgG response against venom toxins. Toxicon, 2015, 99, 23-35.	1.6	60
81	Two phospholipase A2 inhibitors from the plasma of Cerrophidion (Bothrops) godmani which selectively inhibit two different group-II phospholipase A2 myotoxins from its own venom: isolation, molecular cloning and biological properties. Biochemical Journal, 2000, 346, 631-639.	3.7	59
82	Antitumor effects of cationic synthetic peptides derived from Lys49 phospholipase A2 homologues of snake venoms. Cell Biology International, 2007, 31, 263-268.	3.0	59
83	Snake Venomics of Crotalus tigris: The Minimalist Toxin Arsenal of the Deadliest Neartic Rattlesnake Venom. Evolutionary Clues for Generating a Pan-Specific Antivenom against Crotalid Type II Venoms. Journal of Proteome Research, 2012, 11, 1382-1390.	3.7	59
84	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
85	Neutralization of Bothrops asper venom by antibodies, natural products and synthetic drugs: Contributions to understanding snakebite envenomings and their treatment. Toxicon, 2009, 54, 1012-1028.	1.6	58
86	Innovative Immunization Strategies for Antivenom Development. Toxins, 2018, 10, 452.	3.4	58
87	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
88	Comparative study on the ability of IgG and Fab sheep antivenoms to neutralize local hemorrhage, edema and myonecrosis induced by Bothrops asper (terciopelo) snake venom. Toxicon, 2000, 38, 233-244.	1.6	57
89	Systemic cytokine response in children bitten by snakes in Costa Rica. Pediatric Emergency Care, 2001, 17, 425-429.	0.9	56
90	Snake Venomics of Bothriechis nigroviridis Reveals Extreme Variability among Palm Pitviper Venoms: Different Evolutionary Solutions for the Same Trophic Purpose. Journal of Proteome Research, 2010, 9, 4234-4241.	3.7	55

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91	Isolation and characterization of basic myotoxic phospholipases A2 from Bothrops godmani (Godman's pit viper) snake venom. Archives of Biochemistry and Biophysics, 1992, 298, 135-142.	3.0	54
92	Bactericidal and Antiendotoxic Properties of Short Cationic Peptides Derived from a Snake Venom Lys49 Phospholipase A 2. Antimicrobial Agents and Chemotherapy, 2005, 49, 1340-1345.	3.2	54
93	Pharmacological activities of a toxic phospholipase a isolated from the venom of the snake Bothrops Asper. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1986, 84, 159-164.	0.2	53
94	Immunochemical Characterization and Role in Toxic Activities of Region 115â€“129 of Myotoxin II, a Lys49 Phospholipase A2fromBothrops asperSnake Venom. Archives of Biochemistry and Biophysics, 1998, 358, 343-350.	3.0	53
95	Inhibitory effect of fucoidan on the activities of crotaline snake venom myotoxic phospholipases A2. Biochemical Pharmacology, 2003, 66, 1993-2000.	4.4	52
96	Synthetic Peptides Derived from the C-Terminal Region of Lys49 Phospholipase A2 Homologues from Viperidae Snake Venoms: Biomimetic Activities and Potential Applications. Current Pharmaceutical Design, 2010, 16, 3224-3230.	1.9	52
97	Omics Meets Biology: Application to the Design and Preclinical Assessment of Antivenoms. Toxins, 2014, 6, 3388-3405.	3.4	52
98	Skeletal muscle necrosis and regeneration after injection of Thalassophryne nattereri (niquim) fish venom in mice. International Journal of Experimental Pathology, 2001, 82, 55-64.	1.3	51
99	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
100	Neutralizing properties of LY315920 toward snake venom group I and II myotoxic phospholipases A2. Toxicon, 2019, 157, 1-7.	1.6	50
101	Activity of hemorrhagic metalloproteinase BaH-1 and myotoxin II from Bothrops asper snake venom on capillary endothelial cells in vitro. Toxicon, 1994, 32, 505-510.	1.6	49
102	Acute physiopathological effects of honeybee (Apis mellifera) envenoming by subcutaneous route in a mouse model. Toxicon, 2010, 56, 1007-1017.	1.6	49
103	Structural basis for phospholipase A2-like toxin inhibition by the synthetic compound Varespladib (LY315920). Scientific Reports, 2019, 9, 17203.	3.3	49
104	Biological and biochemical activities of Vipera berus (European viper) venom. Toxicon, 1993, 31, 743-753.	1.6	48
105	Snake venomics of the pit vipers Porthidium nasutum, Porthidium ophryomegas, and Cerrophidion godmani from Costa Rica: Toxicological and taxonomical insights. Journal of Proteomics, 2012, 75, 1675-1689.	2.4	48
106	Ontogenetic changes in the venom of the snake Lachesis muta stenophrys (bushmaster) from Costa Rica. Toxicon, 1990, 28, 419-426.	1.6	47
107	Identification of residues critical for toxicity in Clostridium perfringens phospholipaseâ€ƒC, the key toxin in gas gangrene. FEBS Journal, 2000, 267, 5191-5197.	0.2	47
108	A Lys49 phospholipase A2 homologue from Bothrops asper snake venom induces proliferation, apoptosis and necrosis in a lymphoblastoid cell line. Toxicon, 2005, 45, 651-660.	1.6	47

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109	Cytotoxicity induced in myotubes by a Lys49 phospholipase A2 homologue from the venom of the snake Bothrops asper: Evidence of rapid plasma membrane damage and a dual role for extracellular calcium. Toxicology in Vitro, 2007, 21, 1382-1389.	2.4	47
110	Factors associated with adverse reactions induced by caprylic acid-fractionated whole IgG preparations: comparison between horse, sheep and camel IgGs. Toxicon, 2005, 46, 775-781.	1.6	46
111	Production and partial characterization of monoclonal antibodies to Bothrops asper (terciopelo) myotoxin. Toxicon, 1988, 26, 675-689.	1.6	45
112	Tyrâ†'Trp-substituted peptide 115-129 of a Lys49 phospholipase A2 expresses enhanced membrane-damaging activities and reproduces its in vivo myotoxic effect. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1461, 19-26.	2.6	45
113	Functional analysis of DM64, an antimyotoxic protein with immunoglobulin-like structure from Didelphis marsupialis serum. FEBS Journal, 2002, 269, 6052-6062.	0.2	45
114	Structural and functional characterization of myotoxin I, a Lys49 phospholipase A2 homologue from the venom of the snake Bothrops atrox. Toxicon, 2004, 44, 91-101.	1.6	45
115	Effects of Bothrops asper Snake Venom on Lymphatic Vessels: Insights into a Hidden Aspect of Envenomation. PLoS Neglected Tropical Diseases, 2008, 2, e318.	3.0	45
116	An acidic phospholipase A2 with antibacterial activity from Porthidium nasutum snake venom. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2012, 161, 341-347.	1.6	45
117	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
118	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
119	Hemostatic effects induced by Thalassophryne nattereri fish venom: a model of endothelium-mediated blood flow impairment. Toxicon, 2002, 40, 1141-1147.	1.6	44
120	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
121	Proteomic analysis of venom variability and ontogeny across the arboreal palm-pitvipers (genus) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	44
122	Immunoglobulin G and F(abâ€²)2 polyvalent antivenoms do not differ in their ability to neutralize hemorrhage, edema and myonecrosis induced by Bothrops asper (terciopelo) snake venom. Toxicon, 1997, 35, 1627-1637.	1.6	43
123	Comparative study of the cytolytic activity of snake venoms from African spitting cobras (Naja spp.,) Tj ETQq1 1 0.784314 rgBT /Over	1.6	43
124	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
125	Differential susceptibility of C2C12 myoblasts and myotubes to group II phospholipase A2 myotoxins from crotalid snake venoms. Cell Biochemistry and Function, 2005, 23, 307-313.	2.9	42
126	Muscle phospholipid hydrolysis by <scp>B</scp>othropsÂasper <scp>A</scp>sp49 and <scp>L</scp>ys49 phospholipaseÂ<scp>A</scp>₂ myotoxins â€“ distinct mechanisms of action. FEBS Journal, 2013, 280, 3878-3886.	4.7	42

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127	Structural and functional properties of BaTX, a new Lys49 phospholipase A2 homologue isolated from the venom of the snake Bothrops alternatus. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 585-593.	2.4	41
128	Mipartoxin-I, a novel three-finger toxin, is the major neurotoxic component in the venom of the redtail coral snake Micrurus mipartitus (Elapidae). Toxicon, 2012, 60, 851-863.	1.6	41
129	A bright future for integrative venomics. Toxicon, 2015, 107, 159-162.	1.6	41
130	Neutralization of myotoxic phospholipases A2 from the venom of the snake Bothrops asper by monoclonal antibodies. Toxicon, 1992, 30, 239-245.	1.6	40
131	Catalytically inactive phospholipase A2 homologue binds to vascular endothelial growth factor receptor-2 via a C-terminal loop region. Biochemical Journal, 2008, 411, 515-522.	3.7	40
132	Unresolved issues in the understanding of the pathogenesis of local tissue damage induced by snake venoms. Toxicon, 2018, 148, 123-131.	1.6	40
133	Neutralization of myonecrosis, hemorrhage, and edema induced by Bothrops asper snake venom by homologous and heterologous pre-existing antibodies in mice. Toxicon, 1996, 34, 567-577.	1.6	39
134	Tissue pathology induced by snake venoms: How to understand a complex pattern of alterations from a systems biology perspective?. Toxicon, 2010, 55, 166-170.	1.6	39
135	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
136	Purification and characterization of myotoxin IV, a phospholipase A2 variant, fromBothrops asper snake venom. Natural Toxins, 1995, 3, 26-31.	1.0	38
137	Inhibition of the myotoxic activity of Bothrops asper myotoxin II in mice by immunization with its synthetic 13-mer peptide 115â€“129. Toxicon, 1999, 37, 683-687.	1.6	38
138	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
139	Cleavage of the NH2-Terminal Octapeptide of Bothrops asper Myotoxic Lysine-49 Phospholipase A2 Reduces Its Membrane-Destabilizing Effect. Archives of Biochemistry and Biophysics, 1994, 312, 336-339.	3.0	37
140	Myotoxic and cytolytic activities of dimeric Lys49 phospholipase A2 homologues are reduced, but not abolished, by a pH-induced dissociation. Toxicon, 2005, 46, 291-296.	1.6	37
141	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
142	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
143	Isolation and Characterization of a Myotoxic Phospholipase A2from the Venom of the Arboreal SnakeBothriechis(Bothrops)schlegeliifrom Costa Rica. Archives of Biochemistry and Biophysics, 1997, 339, 260-266.	3.0	35
144	Cytotoxicity of Lachesis muta muta snake (bushmaster) venom and its purified basic phospholipase A2 (LmTX-I) in cultured cells. Toxicon, 2007, 49, 678-692.	1.6	35

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