Bruno Lomonte

List of Publications by Citations

301 papers	12,076 citations	60 h-index	91 g-index
339 ext. papers	13,390 ext. citations	3.2 avg, IF	6.36 L-index

#	Paper	IF	Citations
301	Phospholipase A2 myotoxins from Bothrops snake venoms. *Toxicon*, **1995**, 33, 1405-24	2.8	393
300	An overview of lysine-49 phospholipase A2 myotoxins from crotalid snake venoms and their structural determinants of myotoxic action. *Toxicon*, **2003**, 42, 885-901	2.8	254
299	Venoms, venomics, antivenomics. *FEBS Letters*, **2009**, 583, 1736-43	3.8	253
298	Host response to Bothrops asper snake venom. Analysis of edema formation, inflammatory cells, and cytokine release in a mouse model. *Inflammation*, **1993**, 17, 93-105	5.1	198
297	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, 528-44	5.6	188
296	A new muscle damaging toxin, myotoxin II, from the venom of the snake Bothrops asper (terciopelo). *Toxicon*, **1989**, 27, 725-33	2.8	184
295	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, 2897-912	10.3	178
294	Myotoxin II from Bothrops asper (Terciopelo) venom is a lysine-49 phospholipase A2. *Archives of Biochemistry and Biophysics*, **1991**, 284, 352-9	4.1	176
293	Phospholipases A2: unveiling the secrets of a functionally versatile group of snake venom toxins. *Toxicon*, **2013**, 62, 27-39	2.8	164
292	Snake venomics and antivenomics: Proteomic tools in the design and control of antivenoms for the treatment of snakebite envenoming. *Journal of Proteomics*, **2009**, 72, 165-82	3.9	161
291	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, 510-27	3.9	158
290	Medicinal plants with inhibitory properties against snake venoms. *Current Medicinal Chemistry*, **2005**, 12, 2625-41	4.3	156
289	Pharmacokinetic-pharmacodynamic relationships of immunoglobulin therapy for envenomation. *Clinical Pharmacokinetics*, **2003**, 42, 721-41	6.2	142
288	Structural and functional characterization of BnSP-7, a Lys49 myotoxic phospholipase A(2) homologue from Bothrops neuwiedi pauloensis venom. *Archives of Biochemistry and Biophysics*, **2000**, 378, 201-9	4.1	140
287	Myotoxic phospholipases A(2) in bothrops snake venoms: effect of chemical modifications on the enzymatic and pharmacological properties of bothropstoxins from Bothrops jararacussu. *Biochimie*, **2000**, 82, 755-63	4.6	138
286	Snake venomics and antivenomics of Bothrops atrox venoms from Colombia and the Amazon regions of Brazil, Per and Ecuador suggest the occurrence of geographic variation of venom phenotype by a trend towards paedomorphism. *Journal of Proteomics*, **2009**, 73, 57-78	3.9	137
285	Neutralization of local tissue damage induced by Bothrops asper (terciopelo) snake venom. *Toxicon* , **1998**, 36, 1529-38	2.8	137

284	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, 452-61		136
283	Isolation, characterization and molecular cloning of AnMIP, a new alpha-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, 60-8	2.3	135
282	Comparative study of the cytolytic activity of myotoxic phospholipases A2 on mouse endothelial (tEnd) and skeletal muscle (C2C12) cells in vitro. *Toxicon*, **1999**, 37, 145-58	2.8	126
281	Snake venomics and antivenomics of the arboreal neotropical pitvipers Bothriechis lateralis and Bothriechis schlegelii. *Journal of Proteome Research*, **2008**, 7, 2445-57	5.6	121
280	Snake venom Lys49 myotoxins: From phospholipases A(2) to non-enzymatic membrane disruptors. *Toxicon*, **2012**, 60, 520-30	2.8	117
279	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	2.8	111
278	Trends in snakebite envenomation therapy: scientific, technological and public health considerations. *Current Pharmaceutical Design*, **2007**, 13, 2935-50	3.3	105
277	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	3.9	104
276	Local tissue damage induced by BaP1, a metalloproteinase isolated from Bothrops asper (Terciopelo) snake venom. *Experimental and Molecular Pathology*, **1995**, 63, 186-99	4.4	103
275	Identification of the myotoxic site of the Lys49 phospholipase A(2) from Agkistrodon piscivorus piscivorus snake venom: synthetic C-terminal peptides from Lys49, but not from Asp49 myotoxins, exert membrane-damaging activities. *Toxicon*, **2001**, 39, 1587-94	2.8	102
274	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, 4396-408	5.6	96
273	Inhibition of myotoxic activity of Bothrops asper myotoxin II by the anti-trypanosomal drug suramin. *Journal of Molecular Biology*, **2005**, 350, 416-26	6.5	89
272	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, 455-60	3.8	88
271	Structural and functional characterization of myotoxin I, a Lys49 phospholipase A(2) homologue from Bothrops moojeni (Caissaca) snake venom. *Archives of Biochemistry and Biophysics*, **2000**, 373, 7-15	4.1	87
270	Venomic and antivenomic analyses of the Central American coral snake, Micrurus nigrocinctus (Elapidae). *Journal of Proteome Research*, **2011**, 10, 1816-27	5.6	86
269	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, 1509-18	6	85
268	Venomics of New World pit vipers: genus-wide comparisons of venom proteomes across Agkistrodon. *Journal of Proteomics*, **2014**, 96, 103-16	3.9	84
267	Profiling the venom gland transcriptomes of Costa Rican snakes by 454 pyrosequencing. *BMC Genomics*, **2011**, 12, 259	4.5	84

266	Antivenoms for snakebite envenomings. *Inflammation and Allergy: Drug Targets*, **2011**, 10, 369-80		84
265	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, 323-39	3.9	80
264	Strategies in Bnake venomicsPaiming at an integrative view of compositional, functional, and immunological characteristics of venoms. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, **2017**, 23, 26	2.2	79
263	Hyperalgesia induced by Asp49 and Lys49 phospholipases A2 from Bothrops asper snake venom: pharmacological mediation and molecular determinants. *Toxicon*, **2003**, 41, 667-78	2.8	77
262	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	2.8	75
261	Broad cytolytic specificity of myotoxin II, a lysine-49 phospholipase A2 of Bothrops asper snake venom. *Toxicon*, **1994**, 32, 1359-69	2.8	75
260	Pros and cons of different therapeutic antibody formats for recombinant antivenom development. *Toxicon*, **2018**, 146, 151-175	2.8	74
259	Isolation and partial characterization of a myotoxin from the venom of the snake Bothrops nummifer. *Toxicon*, **1986**, 24, 885-94	2.8	74
258	From Fangs to Pharmacology: The Future of Snakebite Envenoming Therapy. *Current Pharmaceutical Design*, **2016**, 22, 5270-5293	3.3	74
257	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, 126-42	3.9	73
256	The phospholipase A2 homologues of snake venoms: biological activities and their possible adaptive roles. *Protein and Peptide Letters*, **2009**, 16, 860-76	1.9	71
255	Preclinical Evaluation of the Efficacy of Antivenoms for Snakebite Envenoming: State-of-the-Art and Challenges Ahead. *Toxins*, **2017**, 9,	4.9	70
254	Comparative study of synthetic peptides corresponding to region 115-129 in Lys49 myotoxic phospholipases A2 from snake venoms. *Toxicon*, **2003**, 42, 307-12	2.8	70
253	Standardization of assays for testing the neutralizing ability of antivenoms. *Toxicon*, **1990**, 28, 1127-9; author reply 1129-32	2.8	70
252	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, 735-45	2.8	67
251	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, 708-19	5.6	66
250	Exploring the venom of the forest cobra snake: Toxicovenomics and antivenom profiling of Naja melanoleuca. *Journal of Proteomics*, **2017**, 150, 98-108	3.9	65
249	Isolation of an acidic phospholipase A2 from the venom of the snake Bothrops asper of Costa Rica: biochemical and toxicological characterization. *Biochimie*, **2010**, 92, 273-83	4.6	63

248	Biochemical characterization and pharmacological properties of a phospholipase A2 myotoxin inhibitor from the plasma of the snake Bothrops asper. *Biochemical Journal*, **1997**, 326 (Pt 3), 853-9	3.8	63
247	Antimicrobial activity of myotoxic phospholipases A2 from crotalid snake venoms and synthetic peptide variants derived from their C-terminal region. *Toxicon*, **2005**, 45, 807-15	2.8	63
246	Phospholipases A2 from viperidae snake venoms: how do they induce skeletal muscle damage?. *Acta Chimica Slovenica*, **2011**, 58, 647-59	1.9	63
245	Venoms of Micrurus coral snakes: Evolutionary trends in compositional patterns emerging from proteomic analyses. *Toxicon*, **2016**, 122, 7-25	2.8	62
244	Biochemistry and toxicology of toxins purified from the venom of the snake Bothrops asper. *Toxicon*, **2009**, 54, 949-57	2.8	61
243	Activation of cellular functions in macrophages by venom secretory Asp-49 and Lys-49 phospholipases A(2). *Toxicon*, **2005**, 46, 523-32	2.8	60
242	Comparison between IgG and F(ab')(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	2.8	60
241	Isolation of basic myotoxins from Bothrops moojeni and Bothrops atrox snake venoms. *Toxicon*, **1990**, 28, 1137-46	2.8	59
240	Selecting key toxins for focused development of elapid snake antivenoms and inhibitors guided by a Toxicity Score. *Toxicon*, **2015**, 104, 43-5	2.8	58
239	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, 655-67	3.9	58
238	Immunological profile of antivenoms: preclinical analysis of the efficacy of a polyspecific antivenom through antivenomics and neutralization assays. *Journal of Proteomics*, **2014**, 105, 340-50	3.9	57
237	Isolation and biochemical, functional and structural characterization of a novel L-amino acid oxidase from Lachesis muta snake venom. *Toxicon*, **2012**, 60, 1263-76	2.8	57
236	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, 180-91	8	56
235	Toxicovenomics and antivenom profiling of the Eastern green mamba snake (Dendroaspis angusticeps). *Journal of Proteomics*, **2016**, 136, 248-61	3.9	55
234	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, 2265-76	4	55
233	Assessing the preclinical efficacy of antivenoms: from the lethality neutralization assay to antivenomics. *Toxicon*, **2013**, 69, 168-79	2.8	54
232	Neutralization of four Peruvian Bothrops sp. snake venoms by polyvalent antivenoms produced in Per and Costa Rica: preclinical assessment. *Acta Tropica*, **2005**, 93, 85-95	3.2	54
231	Neurotoxicity and other pharmacological activities of the snake venom phospholipase A2 OS2: the N-terminal region is more important than enzymatic activity. *Biochemistry*, **2006**, 45, 5800-16	3.2	54

230	Synergism between basic Asp49 and Lys49 phospholipase A2 myotoxins of viperid snake venom in vitro and in vivo. *PLoS ONE*, **2014**, 9, e109846	3.7	54
229	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, 103-21	3.9	53
228	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, 14140-5	11.5	53
227	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, 4234-41	5.6	53
226	Calcium imaging of muscle cells treated with snake myotoxins reveals toxin synergism and presence of acceptors. *Cellular and Molecular Life Sciences*, **2009**, 66, 1718-28	10.3	52
225	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, 1017-25	4	52
224	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	3.8	52
223	Local effects induced by coral snake venoms: evidence of myonecrosis after experimental inoculations of venoms from five species. *Toxicon*, **1983**, 21, 777-83	2.8	51
222	Neutralization of Bothrops asper venom by antibodies, natural products and synthetic drugs: contributions to understanding snakebite envenomings and their treatment. *Toxicon*, **2009**, 54, 1012-28	2.8	50
221	Snake venomics of Crotalus tigris: the minimalist toxin arsenal of the deadliest Nearctic rattlesnake venom. Evolutionary Clues for generating a pan-specific antivenom against crotalid type II venoms [corrected]. *Journal of Proteome Research*, **2012**, 11, 1382-90	5.6	49
220	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, 217-33	2.8	48
219	Bactericidal and antiendotoxic properties of short cationic peptides derived from a snake venom Lys49 phospholipase A2. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 1340-5	5.9	48
218	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, 233-44	2.8	48
217	Immunochemical characterization and role in toxic activities of region 115-129 of myotoxin II, a Lys49 phospholipase A2 from Bothrops asper snake venom. *Archives of Biochemistry and Biophysics*, **1998**, 358, 343-50	4.1	48
216	Isolation and characterization of basic myotoxic phospholipases A2 from Bothrops godmani (Godman's pit viper) snake venom. *Archives of Biochemistry and Biophysics*, **1992**, 298, 135-42	4.1	48
215	Snake venomics of monocled cobra (Naja kaouthia) and investigation of human IgG response against venom toxins. *Toxicon*, **2015**, 99, 23-35	2.8	47
214	Activity of hemorrhagic metalloproteinase BaH-1 and myotoxin II from Bothrops asper snake venom on capillary endothelial cells in vitro. *Toxicon*, **1994**, 32, 505-10	2.8	45
213	Omics meets biology: application to the design and preclinical assessment of antivenoms. *Toxins*, **2014**, 6, 3388-405	4.9	44

212	Factors associated with adverse reactions induced by caprylic acid-fractionated whole IgG preparations: comparison between horse, sheep and camel IgGs. *Toxicon*, **2005**, 46, 775-81	2.8	44
211	Inhibitory effect of fucoidan on the activities of crotaline snake venom myotoxic phospholipases A(2). *Biochemical Pharmacology*, **2003**, 66, 1993-2000	6	44
210	In vivo neutralization of dendrotoxin-mediated neurotoxicity of black mamba venom by oligoclonal human IgG antibodies. *Nature Communications*, **2018**, 9, 3928	17.4	44
209	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, 3224-30	3.3	43
208	Skeletal muscle necrosis and regeneration after injection of Thalassophryne nattereri (niquim) fish venom in mice. *International Journal of Experimental Pathology*, **2001**, 82, 55-64	2.8	43
207	Proteomic analysis of Bothrops pirajai snake venom and characterization of BpirMP, a new P-I metalloproteinase. *Journal of Proteomics*, **2013**, 80, 250-67	3.9	41
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205	Identification of residues critical for toxicity in Clostridium perfringens phospholipase C, the key toxin in gas gangrene. *FEBS Journal*, **2000**, 267, 5191-7		41
204	Systemic cytokine response in children bitten by snakes in Costa Rica. *Pediatric Emergency Care*, **2001**, 17, 425-9	1.4	41
203	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, 1675-89	3.9	40
202	Antitumor effects of cationic synthetic peptides derived from Lys49 phospholipase A2 homologues of snake venoms. *Cell Biology International*, **2007**, 31, 263-8	4.5	40
201	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, 1382-9	3.6	40
200	Biological and biochemical activities of Vipera berus (European viper) venom. *Toxicon*, **1993**, 31, 743-53	2.8	40
199	Production and partial characterization of monoclonal antibodies to Bothrops asper (terciopelo) myotoxin. *Toxicon*, **1988**, 26, 675-89	2.8	40
198	Acute physiopathological effects of honeybee (Apis mellifera) envenoming by subcutaneous route in a mouse model. *Toxicon*, **2010**, 56, 1007-17	2.8	39
197	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, 159-64		39
196	Effects of Bothrops asper snake venom on lymphatic vessels: insights into a hidden aspect of envenomation. *PLoS Neglected Tropical Diseases*, **2008**, 2, e318	4.8	38
195	Neutralization of myotoxic phospholipases A2 from the venom of the snake Bothrops asper by monoclonal antibodies. *Toxicon*, **1992**, 30, 239-45	2.8	38

194	Ontogenetic changes in the venom of the snake Lachesis muta stenophrys (bushmaster) from Costa Rica. *Toxicon*, **1990**, 28, 419-26	2.8	38
193	Proteomic analysis of venom variability and ontogeny across the arboreal palm-pitvipers (genus Bothriechis). *Journal of Proteomics*, **2017**, 152, 1-12	3.9	37
192	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	2.8	37
191	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, 137-52	3.9	36
190	Immunoglobulin G and F(ab?)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, 1627-37	2.8	36
189	Functional analysis of DM64, an antimyotoxic protein with immunoglobulin-like structure from Didelphis marsupialis serum. *FEBS Journal*, **2002**, 269, 6052-62		36
188	Hemostatic effects induced by Thalassophryne nattereri fish venom: a model of endothelium-mediated blood flow impairment. *Toxicon*, **2002**, 40, 1141-147	2.8	36
187	An acidic phospholipase A□with antibacterial activity from Porthidium nasutum snake venom. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2012**, 161, 341-7	2.3	35
186	Inhibition of the myotoxic activity of Bothrops asper myotoxin II in mice by immunization with its synthetic 13-mer peptide 115-129. *Toxicon*, **1999**, 37, 683-7	2.8	35
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184	Varespladib (LY315920) and Methyl Varespladib (LY333013) Abrogate or Delay Lethality Induced by Presynaptically Acting Neurotoxic Snake Venoms. *Toxins*, **2020**, 12,	4.9	34
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182	Tissue pathology induced by snake venoms: how to understand a complex pattern of alterations from a systems biology perspective?. *Toxicon*, **2010**, 55, 166-70	2.8	34
181	Myotoxic and cytolytic activities of dimeric Lys49 phospholipase A2 homologues are reduced, but not abolished, by a pH-induced dissociation. *Toxicon*, **2005**, 46, 291-6	2.8	34
180	Neutralization of myonecrosis, hemorrhage, and edema induced by Bothrops asper snake venom by homologous and heterologous pre-existing antibodies in mice. *Toxicon*, **1996**, 34, 567-77	2.8	34
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178	Venomic Analysis of the Poorly Studied Desert Coral Snake, Micrurus tschudii tschudii, Supports the 3FTx/PLA□Dichotomy across Micrurus Venoms. *Toxins*, **2016**, 8,	4.9	34
177	Cytotoxicity of Lachesis muta muta snake (bushmaster) venom and its purified basic phospholipase A2 (LmTX-I) in cultured cells. *Toxicon*, **2007**, 49, 678-92	2.8	33

176	Differential susceptibility of C2C12 myoblasts and myotubes to group II phospholipase A2 myotoxins from crotalid snake venoms. *Cell Biochemistry and Function*, **2005**, 23, 307-13	4.2	33
175	Purification and characterization of myotoxin IV, a phospholipase A2 variant, from Bothrops asper snake venom. *Natural Toxins*, **1995**, 3, 26-31		33
174	Innovative Immunization Strategies for Antivenom Development. *Toxins*, **2018**, 10,	4.9	33
173	Delayed Oral LY333013 Rescues Mice from Highly Neurotoxic, Lethal Doses of Papuan Taipan (Oxyuranus scutellatus) Venom. *Toxins*, **2018**, 10,	4.9	33
172	Danger in the reef: Proteome, toxicity, and neutralization of the venom of the olive sea snake, Aipysurus laevis. *Toxicon*, **2015**, 107, 187-96	2.8	32
171	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, 585-93	4	32
170	Structural characterization and phylogenetic relationships of myotoxin II from Atropoides (Bothrops) nummifer snake venom, a Lys49 phospholipase A(2) homologue. *International Journal of Biochemistry and Cell Biology*, **2002**, 34, 1268-78	5.6	32
169	Role of enzymatic activity in muscle damage and cytotoxicity induced by Bothrops asper Asp49 phospholipase A2 myotoxins: are there additional effector mechanisms involved?. *PeerJ*, **2014**, 2, e569	3.1	32
168	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, 262-73	3.9	31
167	Isolation and characterization of a myotoxic phospholipase A2 from the venom of the arboreal snake Bothriechis (Bothrops) schlegelii from Costa Rica. *Archives of Biochemistry and Biophysics*, **1997**, 339, 260-6	4.1	31
166	Isolation of a galactose-binding lectin from the venom of the snake Bothrops godmani (Godmann's pit viper). *Toxicon*, **1990**, 28, 75-81	2.8	31
165	Horse immunization with short-chain consensus neurotoxin generates antibodies against broad spectrum of elapid venomous species. *Nature Communications*, **2019**, 10, 3642	17.4	30
164	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	2.8	30
163	Isolation and characterization of myotoxin II from Atropoides (Bothrops) nummifer snake venom, a new Lys49 phospholipase A2 homologue. *International Journal of Biochemistry and Cell Biology*, **2000**, 32, 63-71	5.6	30
162	Structural basis for phospholipase A-like toxin inhibition by the synthetic compound Varespladib (LY315920). *Scientific Reports*, **2019**, 9, 17203	4.9	30
161	Snake venomics and toxicological profiling of the arboreal pitviper Bothriechis supraciliaris from Costa Rica. *Toxicon*, **2012**, 59, 592-9	2.8	29
160	Muscle phospholipid hydrolysis by Bothrops asper Asp49 and Lys49 phospholipase A myotoxins--distinct mechanisms of action. *FEBS Journal*, **2013**, 280, 3878-86	5.7	29
159	Ability of fucoidan to prevent muscle necrosis induced by snake venom myotoxins: comparison of high- and low-molecular weight fractions. *Toxicon*, **2008**, 51, 373-80	2.8	29

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157	An MTT-based method for the in vivo quantification of myotoxic activity of snake venoms and its neutralization by antibodies. *Journal of Immunological Methods*, **1993**, 161, 231-7	2.5	28
156	Electrophoretic and immunochemical studies of Micrurus snake venoms. *Toxicon*, **1994**, 32, 713-23	2.8	28
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4	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	2.8	0
3	Distinct effects of radicicol on myotoxic activity of crotoxin and Bothrops asper phospholipase A2 myotoxins in vivo and in vitro. *FASEB Journal*, **2011**, 25, 1050.2	0.9	
2	Snake Venom Phospholipase A2 Toxins **2021**, 389-412		
1	Aggregation behavior of sodium 3-(octyloxy)-4-nitrobenzoate in aqueous solution. *New Journal of Chemistry*, **2018**, 42, 19407-19414	3.6	