Jose M Gutierrez

List of Publications by Year
in descending order

521	28,182	4942 84	14702 127
papers	citations	h-index	g-index

547	547	547	6741
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Snakebite envenoming. Nature Reviews Disease Primers, 2017, 3, 17063.	18.1	608
2	Snake venom metalloproteinases:Their role in the pathogenesis of local tissue damage. Biochimie, 2000, 82, 841-850.	1.3	469
3	Phospholipase A2 myotoxins from Bothrops snake venoms. Toxicon, 1995, 33, 1405-1424.	0.8	440
4	Confronting the Neglected Problem of Snake Bite Envenoming: The Need for a Global Partnership. PLoS Medicine, 2006, 3, e150.	3.9	398
5	Skeletal muscle degeneration induced by venom phospholipases A2: insights into the mechanisms of local and systemic myotoxicity. Toxicon, 2003, 42, 915-931.	0.8	381
6	Hemorrhage induced by snake venom metalloproteinases: biochemical and biophysical mechanisms involved in microvessel damage. Toxicon, 2005, 45, 997-1011.	0.8	368
7	Venoms, venomics, antivenomics. FEBS Letters, 2009, 583, 1736-1743.	1.3	309
8	The Global Snake Bite Initiative: an antidote for snake bite. Lancet, The, 2010, 375, 89-91.	6.3	306
9	Snakebite envenoming from a global perspective: Towards an integrated approach. Toxicon, 2010, 56, 1223-1235.	0.8	268
10	An alternative in vitro method for testing the potency of the polyvalent antivenom produced in Costa Rica. Toxicon, 1988, 26, 411-413.	0.8	255
11	Neutralization of proteolytic and hemorrhagic activities of Costa Rican snake venoms by a polyvalent antivenom. Toxicon, 1985, 23, 887-893.	0.8	247
12	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.	2.4	230
13	Caprylic acid fractionation of hyperimmune horse plasma: Description of a simple procedure for antivenom production. Toxicon, 1994, 32, 351-363.	0.8	223
14	Phospholipases A2: Unveiling the secrets of a functionally versatile group of snake venom toxins. Toxicon, 2013, 62, 27-39.	0.8	210
15	A new muscle damaging toxin, myotoxin II, from the venom of the snake Bothrops asper (terciopelo). Toxicon, 1989, 27, 725-733.	0.8	206
16	Snake Venomics of the Central American Rattlesnake <i>Crotalus simus</i> and the South American <i>Crotalus durissus</i> Complex Points to Neurotoxicity as an Adaptive Paedomorphic Trend along <i>Crotalus</i> Dispersal in South America. Journal of Proteome Research, 2010, 9, 528-544.	1.8	206
17	Snake Venomics of African Spitting Cobras: Toxin Composition and Assessment of Congeneric Cross-Reactivity of the Pan-African EchiTAb-Plus-ICP Antivenom by Antivenomics and Neutralization Approaches. Journal of Proteome Research, 2011, 10, 1266-1280.	1.8	191
18	Myotoxin II from Bothrops asper (terciopelo) venom is a lysine-49 phospholipase A2. Archives of Biochemistry and Biophysics, 1991, 284, 352-359.	1.4	189

#	Article	IF	Citations
19	Key events in microvascular damage induced by snake venom hemorrhagic metalloproteinases. Journal of Proteomics, 2011, 74, 1781-1794.	1.2	187
20	Neutrophils do not contribute to local tissue damage, but play a key role in skeletal muscle regeneration, in mice injected withBothrops aspersnake venom. Muscle and Nerve, 2003, 28, 449-459.	1.0	183
21	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.	1.2	181
22	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.	1.2	180
23	Pharmacokinetic-Pharmacodynamic Relationships of Immunoglobulin Therapy for Envenomation. Clinical Pharmacokinetics, 2003, 42, 721-741.	1.6	177
24	Comparative study on coagulant, defibrinating, fibrinolytic and fibrinogenolytic activities of Costa Rican crotaline snake venoms and their neutralization by a polyvalent antivenom. Toxicon, 1989, 27, 841-848.	0.8	175
25	Integrated â€œomicsâ€•profiling indicates that miRNAs are modulators of the ontogenetic venom composition shift in the Central American rattlesnake, Crotalus simus simus. BMC Genomics, 2013, 14, 234.	1.2	164
26	Neutralization of local tissue damage induced by Bothrops asper (terciopelo) snake venom. Toxicon, 1998, 36, 1529-1538.	0.8	161
27	Experimental pathology of local tissue damage induced by Bothrops asper snake venom. Toxicon, 2009, 54, 958-975.	0.8	160
28	Isolation and characterization of a metalloproteinase with weak hemorrhagic activity from the venom of the snake Bothrops asper (terciopelo). Toxicon, 1995, 33, 19-29.	0.8	158
29	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.	1.4	158
30	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.	1.2	155
31	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.	1.3	151
32	Isolation of a myotoxin from Bothrops asper venom: Partial characterization and action on skeletal muscle. Toxicon, 1984, 22, 115-128.	0.8	148
33	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.	0.8	141
34	Hemorrhage Caused by Snake Venom Metalloproteinases: A Journey of Discovery and Understanding. Toxins, 2016, 8, 93.	1.5	139
35	Snake Venomics and Antivenomics of the Arboreal Neotropical Pitvipers Bothriechis lateralis and Bothriechis schlegelii. Journal of Proteome Research, 2008, 7, 2445-2457.	1.8	137
36	The amino acid sequence of a myotoxic phospholipase from the venom of Bothrops asper. Archives of Biochemistry and Biophysics, 1990, 278, 319-325.	1.4	129

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37	Pathogenesis of myonecrosis induced by crude venom and a myotoxin of Bothrops asper. Experimental and Molecular Pathology, 1984, 40, 367-379.	0.9	125
38	Trends in Snakebite Envenomation Therapy: Scientific, Technological and Public Health Considerations. Current Pharmaceutical Design, 2007, 13, 2935-2950.	0.9	125
39	Antivenoms for the treatment of snakebite envenomings: The road ahead. Biologicals, 2011, 39, 129-142.	0.5	125
40	Pros and cons of different therapeutic antibody formats for recombinant antivenom development. Toxicon, 2018, 146, 151-175.	0.8	125
41	Experimental pathophysiology of systemic alterations induced by Bothrops asper snake venom. Toxicon, 2009, 54, 976-987.	0.8	124
42	Increments in serum cytokine and nitric oxide levels in mice injected with Bothrops asper and Bothrops jararaca snake venoms. Toxicon, 2000, 38, 1253-1266.	0.8	123
43	The Need for Full Integration of Snakebite Envenoming within a Global Strategy to Combat the Neglected Tropical Diseases: The Way Forward. PLoS Neglected Tropical Diseases, 2013, 7, e2162.	1.3	123
44	Pathogenic mechanisms underlying adverse reactions induced by intravenous administration of snake antivenoms. Toxicon, 2013, 76, 63-76.	0.8	121
45	A randomized blinded clinical trial of two antivenoms, prepared by caprylic acid or ammonium sulphate fractionation of IgG, in Bothrops and Porthidium snake bites in Colombia: correlation between safety and biochemical characteristics of antivenoms. Toxicon, 1999, 37, 895-908.	0.8	118
46	Local Tissue Damage Induced by BaP1, a Metalloproteinase Isolated from Bothrops asper (Terciopelo) Snake Venom. Experimental and Molecular Pathology, 1995, 63, 186-199.	0.9	117
47	Snake Venomics of the Lesser Antillean Pit Vipers <i>Bothrops caribbaeus</i> and <i>Bothrops lanceolatus</i>: Correlation with Toxicological Activities and Immunoreactivity of a Heterologous Antivenom. Journal of Proteome Research, 2008, 7, 4396-4408.	1.8	116
48	Calcium ion independent membrane leakage induced by phospholipase-like myotoxins. Biochemistry, 1992, 31, 12424-12430.	1.2	114
49	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.	1.2	114
50	Amino acid sequence and crystal structure of BaP1, a metalloproteinase from Bothrops asper snake venom that exerts multiple tissue-damaging activities. Protein Science, 2009, 12, 2273-2281.	3.1	110
51	Combined venomics, venom gland transcriptomics, bioactivities, and antivenomics of two Bothrops jararaca populations from geographic isolated regions within the Brazilian Atlantic rainforest. Journal of Proteomics, 2016, 135, 73-89.	1.2	110
52	Preclinical Evaluation of the Efficacy of Antivenoms for Snakebite Envenoming: State-of-the-Art and Challenges Ahead. Toxins, 2017, 9, 163.	1.5	109
53	Inhibition of Myotoxic Activity of Bothrops asper Myotoxin II by the Anti-trypanosomal Drug Suramin. Journal of Molecular Biology, 2005, 350, 416-426.	2.0	106
54	Venomic and Antivenomic Analyses of the Central American Coral Snake,<i>Micrurus nigrocinctus</i>(Elapidae). Journal of Proteome Research, 2011, 10, 1816-1827.	1.8	105

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55	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.	1.4	104
56	Effects of aqueous extract of Casearia sylvestris (Flacourtiaceae) on actions of snake and bee venoms and on activity of phospholipases A2. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2000, 127, 21-30.	0.7	104
57	Inflammatory events induced by Lys-49 and Asp-49 phospholipases A2 isolated from Bothrops asper snake venom: role of catalytic activity. Toxicon, 2005, 45, 335-346.	0.8	104
58	Antivenoms for Snakebite Envenomings. Inflammation and Allergy: Drug Targets, 2011, 10, 369-380.	1.8	104
59	Inhibition of local hemorrhage and dermonecrosis induced by Bothrops asper snake venom: effectiveness of early in situ administration of the peptidomimetic metalloproteinase inhibitor batimastat and the chelating agent CaNa2EDTA.. American Journal of Tropical Medicine and Hygiene, 2000, 63, 313-319.	0.6	103
60	Increments in cytokines and matrix metalloproteinases in skeletal muscle after injection of tissue-damaging toxins from the venom of the snakeBothrops asper. Mediators of Inflammation, 2002, 11, 121-128.	1.4	102
61	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.	1.2	102
62	From Fangs to Pharmacology: The Future of Snakebite Envenoming Therapy. Current Pharmaceutical Design, 2016, 22, 5270-5293.	0.9	101
63	Ontogenetic variability of Bothrops atrox and Bothrops asper snake venoms from Colombia. Toxicon, 2003, 42, 405-411.	0.8	99
64	Effectiveness of batimastat, a synthetic inhibitor of matrix metalloproteinases, in neutralizing local tissue damage induced by BaP1, a hemorrhagic metalloproteinase from the venom of the snake Bothrops asper. Biochemical Pharmacology, 2000, 60, 269-274.	2.0	98
65	Dissociation of Enzymatic and Pharmacological Properties of Piratoxins-I and -III, Two Myotoxic Phospholipases A2 from Bothrops pirajai Snake Venom. Archives of Biochemistry and Biophysics, 2001, 387, 188-196.	1.4	98
66	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.	1.2	97
67	Clinical and laboratory alterations in horses during immunization with snake venoms for the production of polyvalent (Crotalinae) antivenom. Toxicon, 1997, 35, 81-90.	0.8	96
68	Novel insights into capillary vessel basement membrane damage by snake venom hemorrhagic metalloproteinases: A biochemical and immunohistochemical study. Archives of Biochemistry and Biophysics, 2006, 455, 144-153.	1.4	96
69	Profiling the venom gland transcriptomes of Costa Rican snakes by 454 pyrosequencing. BMC Genomics, 2011, 12, 259.	1.2	96
70	Second generation snake antivenomics: Comparing immunoaffinity and immunodepletion protocols. Toxicon, 2012, 60, 688-699.	0.8	96
71	Convergent evolution of pain-inducing defensive venom components in spitting cobras. Science, 2021, 371, 386-390.	6.0	96
72	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.	1.4	95

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73	Venomics of New World pit vipers: Genus-wide comparisons of venom proteomes across Agkistrodon. Journal of Proteomics, 2014, 96, 103-116.	1.2	94
74	Hyperalgesia induced by Asp49 and Lys49 phospholipases A2 from Bothrops asper snake venom: pharmacological mediation and molecular determinants. Toxicon, 2003, 41, 667-678.	0.8	93
75	Blister formation and skin damage induced by BaP1, a haemorrhagic metalloproteinase from the venom of the snake Bothrops asper. International Journal of Experimental Pathology, 1998, 79, 245-54.	0.6	92
76	Pan-African polyspecific antivenom produced by caprylic acid purification of horse IgG: an alternative to the antivenom crisis in Africa. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2005, 99, 468-475.	0.7	90
77	Immune Response Towards Snake Venoms. Inflammation and Allergy: Drug Targets, 2011, 10, 381-398.	1.8	90
78	Pharmacological study of edema induced by venom of the snake Bothrops asper (terciopelo) in mice. Toxicon, 1995, 33, 31-39.	0.8	89
79	Venoms of Micrurus coral snakes: Evolutionary trends in compositional patterns emerging from proteomic analyses. Toxicon, 2016, 122, 7-25.	0.8	89
80	The paraspecific neutralisation of snake venom induced coagulopathy by antivenoms. Communications Biology, 2018, 1, 34.	2.0	89
81	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.	0.8	88
82	Improving antivenom availability and accessibility: Science, technology, and beyond. Toxicon, 2012, 60, 676-687.	0.8	88
83	Geographic and ontogenic variability in the venom of the neotropical rattlesnake Crotalus durissus: pathophysiological and therapeutic implications. Revista De Biologia Tropical, 2002, 50, 337-46.	0.1	87
84	Chemical modification of histidine and lysine residues of myotoxic phospholipases A2 isolated from Bothrops asper and Bothrops godmani snake venoms: Effects on enzymatic and pharmacological properties. Toxicon, 1997, 35, 241-252.	0.8	86
85	The Phospholipase A2 Homologues of Snake Venoms: Biological Activities and Their Possible Adaptive Roles. Protein and Peptide Letters, 2009, 16, 860-876.	0.4	85
86	Exploring the venom of the forest cobra snake: Toxicovenomics and antivenom profiling of Naja melanoleuca. Journal of Proteomics, 2017, 150, 98-108.	1.2	85
87	Steps to overcome the Northâ€"South divide in research relevant to climate change policy and practice. Nature Climate Change, 2017, 7, 21-27.	8.1	84
88	Preclinical assessment of the neutralizing capacity of antivenoms produced in six Latin American countries against medically-relevant Bothrops snake venoms. Toxicon, 2010, 56, 980-989.	0.8	83
89	Skeletal Muscle Necrosis and Regeneration after Injection of BaH1, A Hemorrhagic Metalloproteinase Isolated from the Venom of the Snake Bothrops asper (Terciopelo). Experimental and Molecular Pathology, 1995, 62, 28-41.	0.9	82
90	Structure of a calcium-independent phospholipase-like myotoxic protein fromBothrops aspervenom. Acta Crystallographica Section D: Biological Crystallography, 1995, 51, 311-317.	2.5	81

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91	The medical threat of mamba envenoming in sub-Saharan Africa revealed by genus-wide analysis of venom composition, toxicity and antivenomics profiling of available antivenoms. Journal of Proteomics, 2018, 172, 173-189.	1.2	80
92	Isolation and partial characterization of a myotoxin from the venom of the snake Bothrops nummifer. Toxicon, 1986, 24, 885-894.	0.8	79
93	Tissue Localization and Extracellular Matrix Degradation by PI, PII and PIII Snake Venom Metalloproteinases: Clues on the Mechanisms of Venom-Induced Hemorrhage. PLoS Neglected Tropical Diseases, 2015, 9, e0003731.	1.3	79
94	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.	1.8	77
95	Skeletal muscle degeneration and regeneration after injection of bothropstoxin-II, a phospholipase A2 isolated from the venom of the snake Bothrops jararacussu. Experimental and Molecular Pathology, 1991, 55, 217-229.	0.9	76
96	Snake venomics and antivenomics of Bothrops colombiensis, a medically important pitviper of the Bothrops atrox-asper complex endemic to Venezuela: Contributing to its taxonomy and snakebite management. Journal of Proteomics, 2009, 72, 227-240.	1.2	76
97	A Comprehensive View of the Structural and Functional Alterations of Extracellular Matrix by Snake Venom Metalloproteinases (SVMPs): Novel Perspectives on the Pathophysiology of Envenoming. Toxins, 2016, 8, 304.	1.5	76
98	Synergism between Basic Asp49 and Lys49 Phospholipase A2 Myotoxins of Viperid Snake Venom In Vitro and In Vivo. PLoS ONE, 2014, 9, e109846.	1.1	76
99	Neutralization of crotaline snake venoms from Central and South America by antivenoms produced in Brazil and Costa Rica. Toxicon, 2000, 38, 1429-1441.	0.8	75
100	Characterization of â€˜basparin A,â€™ a prothrombin-activating metalloproteinase, from the venom of the snake Bothrops asper that inhibits platelet aggregation and induces defibrination and thrombosis. Archives of Biochemistry and Biophysics, 2003, 418, 13-24.	1.4	75
101	Selecting key toxins for focused development of elapid snake antivenoms and inhibitors guided by a Toxicity Score. Toxicon, 2015, 104, 43-45.	0.8	75
102	Changes in myofibrillar components after skeletal muscle necrosis induced by a myotoxin isolated from the venom of the snake Bothrops asper. Experimental and Molecular Pathology, 1990, 52, 25-36.	0.9	74
103	Inflammatory effects of BaP1 a metalloproteinase isolated from Bothrops asper snake venom: Leukocyte recruitment and release of cytokines. Toxicon, 2006, 47, 549-559.	0.8	74
104	Efficacy and safety of two whole IgG polyvalent antivenoms, refined by caprylic acid fractionation with or without Î²-propiolactone, in the treatment of Bothrops asper bites in Colombia. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2006, 100, 1173-1182.	0.7	74
105	Snakebites are associated with poverty, weather fluctuations, and El NiÃ±o. Science Advances, 2015, 1, e1500249.	4.7	74
106	Standardization of assays for testing the neutralizing ability of antivenoms. Toxicon, 1990, 28, 1127-1129.	0.8	73
107	Isolation and characterization of synergistic hemorrhagins from the venom of the snake Bothrops asper. Toxicon, 1993, 31, 1137-1150.	0.8	73
108	Purification and characterization of BaH4, a hemorrhagic metalloproteinase from the venom of the snake Bothrops asper. Toxicon, 2000, 38, 63-77.	0.8	73

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109	Effects of chemical modifications of crotoxin B, the phospholipase A2 subunit of crotoxin from Crotalus durissus terrificus snake venom, on its enzymatic and pharmacological activities. International Journal of Biochemistry and Cell Biology, 2001, 33, 877-888.	1.2	73
110	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.	1.2	73
111	In vivo neutralization of dendrotoxin-mediated neurotoxicity of black mamba venom by oligoclonal human IgG antibodies. Nature Communications, 2018, 9, 3928.	5.8	73
112	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.	0.8	72
113	Bothrops asper and Bothrops jararaca snake venoms trigger microbicidal functions of peritoneal leukocytes in vivo. Toxicon, 2001, 39, 1505-1513.	0.8	72
114	Wound Exudate as a Proteomic Window to Reveal Different Mechanisms of Tissue Damage by Snake Venom Toxins. Journal of Proteome Research, 2009, 8, 5120-5131.	1.8	72
115	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.	1.3	72
116	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.	1.2	72
117	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.	0.8	71
118	A randomized double-blind clinical trial of two antivenoms in patients bitten by Bothrops atrox in Colombia. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1996, 90, 696-700.	0.7	71
119	Effect of the metalloproteinase inhibitor batimastat in the systemic toxicity induced by Bothrops asper snake venom: understanding the role of metalloproteinases in envenomation. Toxicon, 2004, 43, 417-424.	0.8	71
120	Activation of cellular functions in macrophages by venom secretory Asp-49 and Lys-49 phospholipases A2. Toxicon, 2005, 46, 523-532.	0.8	71
121	Role of Collagens and Perlecan in Microvascular Stability: Exploring the Mechanism of Capillary Vessel Damage by Snake Venom Metalloproteinases. PLoS ONE, 2011, 6, e28017.	1.1	71
122	Bothrops aspersnake venom and its metalloproteinase BaPâ€"1 activate the complement system. Role in leucocyte recruitment. Mediators of Inflammation, 2000, 9, 213-221.	1.4	70
123	Snake venomics and antivenomics of Protobothrops mucrosquamatus and Viridovipera stejnegeri from Taiwan: Keys to understand the variable immune response in horses. Journal of Proteomics, 2012, 75, 5628-5645.	1.2	70
124	Toxicovenomics and antivenom profiling of the Eastern green mamba snake (Dendroaspis angusticeps) Tj ETQq0 0 0 rgBT /Overlock 10	1.2	70
125	Pathological changes induced by BaH1, a hemorrhagic proteinase isolated from Bothrops asper (Terciopelo) snake venom, on mouse capillary blood vessels. Toxicon, 1994, 32, 977-987.	0.8	69
126	Inflammation induced by Bothrops asper venom: release of proinflammatory cytokines and eicosanoids, and role of adhesion molecules in leukocyte infiltration. Toxicon, 2005, 46, 806-813.	0.8	69

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127	Isolation and biochemical, functional and structural characterization of a novel l-amino acid oxidase from Lachesis muta snake venom. Toxicon, 2012, 60, 1263-1276.	0.8	69
128	Differential procoagulant effects of saw-scaled viper (Serpentes: Viperidae: Echis) snake venoms on human plasma and the narrow taxonomic ranges of antivenom efficacies. Toxicology Letters, 2017, 280, 159-170.	0.4	69
129	Isolation of basic myotoxins from Bothrops Moojeni and Bothrops Atrox snake venoms. Toxicon, 1990, 28, 1137-1146.	0.8	68
130	Biochemical characterization and pharmacological properties of a phospholipase A2 myotoxin inhibitor from the plasma of the snake <i>Bothrops asper</i>. Biochemical Journal, 1997, 326, 853-859.	1.7	68
131	Comparative study of the efficacy and safety of two polyvalent, caprylic acid fractionated [IgG and F(abâ€²)2] antivenoms, in Bothrops asper bites inÂColombia. Toxicon, 2012, 59, 344-355.	0.8	68
132	Assessment of the viral safety of antivenoms fractionated from equine plasma. Biologicals, 2004, 32, 115-128.	0.5	67
133	Stability, distribution and use of antivenoms for snakebite envenomation in Latin America: Report of a workshop. Toxicon, 2009, 53, 625-630.	0.8	67
134	Preclinical assessment of the efficacy of a new antivenom (EchiTAb-Plus-ICPÂ®) for the treatment of viper envenoming in sub-Saharan Africa. Toxicon, 2010, 55, 369-374.	0.8	67
135	Comparative proteomic analysis of the venom of the taipan snake, Oxyuranus scutellatus, from Papua New Guinea and Australia: Role of neurotoxic and procoagulant effects in venom toxicity. Journal of Proteomics, 2012, 75, 2128-2140.	1.2	67
136	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.	1.2	67
137	Phylovenomics of Daboia russelii across the Indian subcontinent. Bioactivities and comparative in vivo neutralization and in vitro third-generation antivenomics of antivenoms against venoms from India, Bangladesh and Sri Lanka. Journal of Proteomics, 2019, 207, 103443.	1.2	67
138	Pharmacological modulation of edema induced by Lys-49 and Asp-49 myotoxic phospholipases A2 isolated from the venom of the snake Bothrops asper (terciopelo). Toxicon, 1998, 36, 1861-1869.	0.8	66
139	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.	2.0	66
140	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.	2.4	66
141	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.	3.3	66
142	Assessing the preclinical efficacy of antivenoms: From the lethality neutralization assay to antivenomics. Toxicon, 2013, 69, 168-179.	0.8	66
143	Phospholipases A2 from viperidae snake venoms: how do they induce skeletal muscle damage?. Acta Chimica Slovenica, 2011, 58, 647-59.	0.2	66
144	Thrombocytopenia and platelet hypoaggregation induced by Bothrops asper snake venom. Thrombosis and Haemostasis, 2005, 94, 123-131.	1.8	65

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145	Skin Pathology Induced by Snake Venom Metalloproteinase: Acute Damage, Revascularization, and Re-epithelization in a Mouse Ear Model. Journal of Investigative Dermatology, 2008, 128, 2421-2428.	0.3	65
146	Impact of Regional Variation in <i>Bothrops asper</i> Snake Venom on the Design of Antivenoms: Integrating Antivenomics and Neutralization Approaches. Journal of Proteome Research, 2010, 9, 564-577.	1.8	65
147	Characterization of the local tissue damage induced by LHF-II, a metalloproteinase with weak hemorrhagic activity isolated from Lachesis muta muta snake venom. Toxicon, 1999, 37, 1297-1312.	0.8	64
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