Juan Calvete

List of Publications by Year
in descending order

433	23,010	6613 79	17105 122
papers	citations	h-index	g-index

465	465	465	10915
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Snakebite envenoming. Nature Reviews Disease Primers, 2017, 3, 17063.	30.5	608
2	Arg-Gly-Asp constrained within cyclic pentapoptides Strong and selective inhibitors of cell adhesion to vitronectin and laminin fragment P1. FEBS Letters, 1991, 291, 50-54.	2.8	509
3	The king cobra genome reveals dynamic gene evolution and adaptation in the snake venom system. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20651-20656.	7.1	412
4	Snake venomics. Strategy and applications. Journal of Mass Spectrometry, 2007, 42, 1405-1414.	1.6	328
5	Crystal structure of the complex formed by the membrane type 1-matrix metalloproteinase with the tissue inhibitor of metalloproteinases-2, the soluble progelatinase A receptor. EMBO Journal, 1998, 17, 5238-5248.	7.8	324
6	Venoms, venomics, antivenomics. FEBS Letters, 2009, 583, 1736-1743.	2.8	309
7	Snake Venomics of the Lancehead Pitviper <i>Bothrops asper</i>: Geographic, Individual, and Ontogenetic Variations. Journal of Proteome Research, 2008, 7, 3556-3571.	3.7	302
8	Crystal structure of the first dissimilatory nitrate reductase at 1.9 Ã… solved by MAD methods. Structure, 1999, 7, 65-79.	3.3	288
9	Seminal Plasma Proteins: What Role Do They Play?. American Journal of Reproductive Immunology, 2011, 66, 11-22.	1.2	284
10	Medically important differences in snake venom composition are dictated by distinct postgenomic mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9205-9210.	7.1	253
11	Snake venom disintegrins: evolution of structure and function. Toxicon, 2005, 45, 1063-1074.	1.6	246
12	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.	3.7	206
13	Ending the drought: New strategies for improving the flow of affordable, effective antivenoms in Asia and Africa. Journal of Proteomics, 2011, 74, 1735-1767.	2.4	206
14	Assignment of disulphide bonds in human platelet GPIIIa. A disulphide pattern for the <i>Î²</i>-subunits of the integrin family. Biochemical Journal, 1991, 274, 63-71.	3.7	199
15	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.	3.7	191
16	Immobilization-stabilization of enzymes; variables that control the intensity of the trypsin (amine)-agarose (aldehyde) multipoint attachment. Enzyme and Microbial Technology, 1989, 11, 353-359.	3.2	188
17	Boar spermatozoa in the oviduct. Theriogenology, 2005, 63, 514-535.	2.1	184
18	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

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19	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
20	Snake venom disintegrins: novel dimeric disintegrins and structural diversification by disulphide bond engineering. Biochemical Journal, 2003, 372, 725-734.	3.7	177
21	Spermadhesins: A new protein family. Facts, hypotheses and perspectives. Andrologia, 1998, 30, 217-224.	2.1	168
22	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.	2.8	164
23	Snake venomics: From the inventory of toxins to biology. Toxicon, 2013, 75, 44-62.	1.6	160
24	Clues for Understanding the Structure and Function of a Prototypic Human Integrin: The Platelet Glycoprotein IIb/IIIa Complex. Thrombosis and Haemostasis, 1994, 72, 001-015.	3.4	157
25	Proteomic tools against the neglected pathology of snake bite envenoming. Expert Review of Proteomics, 2011, 8, 739-758.	3.0	156
26	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
27	Venomics: integrative venom proteomics and beyond. Biochemical Journal, 2017, 474, 611-634.	3.7	153
28	Snake venomics and antivenomics of Crotalus durissus subspecies from Brazil: Assessment of geographic variation and its implication on snakebite management. Journal of Proteomics, 2010, 73, 1758-1776.	2.4	149
29	Venom Proteomes of Closely RelatedSistrurusRattlesnakes with Divergent Diets. Journal of Proteome Research, 2006, 5, 2098-2112.	3.7	148
30	Exploring the Venom Proteome of the Western Diamondback Rattlesnake, <i>Crotalus atrox</i>, via Snake Venomics and Combinatorial Peptide Ligand Library Approaches. Journal of Proteome Research, 2009, 8, 3055-3067.	3.7	143
31	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
32	Venom variability and envenoming severity outcomes of the Crotalus scutulatus scutulatus (Mojave) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.4	133
33	Evolution of Snake Venom Disintegrins by Positive Darwinian Selection. Molecular Biology and Evolution, 2008, 25, 2391-2407.	8.9	131
34	Effective activation of the proenzyme form of the urokinase-type plasminogen activator (pro-uPA) by the cysteine protease cathepsin L. FEBS Letters, 1992, 297, 112-118.	2.8	128
35	Snake venomics and venom gland transcriptomic analysis of Brazilian coral snakes, Micrurus altirostris and M. corallinus. Journal of Proteomics, 2011, 74, 1795-1809.	2.4	126
36	The crystal structures of two spermadhesins reveal the CUB domain fold. Nature Structural Biology, 1997, 4, 783-788.	9.7	124

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37	Structural Requirements of Echistatin for the Recognition of Î±vÎ²3 and Î±5Î²1Integrins. Journal of Biological Chemistry, 1999, 274, 37809-37814.	3.4	124
38	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.	3.0	123
39	Combined snake venomics and venom gland transcriptomic analysis of the ocellated carpet viper, Echis ocellatus. Journal of Proteomics, 2009, 71, 609-623.	2.4	122
40	Obtustatin: a potent selective inhibitor of alpha1beta1 integrin in vitro and angiogenesis in vivo. Cancer Research, 2003, 63, 2020-3.	0.9	122
41	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.	3.7	116
42	Snake venomics: Comparative analysis of the venom proteomes of the Tunisian snakesCerastes cerastes, Cerastes vipera andMacrovipera lebetina. Proteomics, 2005, 5, 4223-4235.	2.2	115
43	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
44	Snake venomics: Characterization of protein families inSistrurus barbouri venom by cysteine mapping,N-terminal sequencing, and tandem mass spectrometry analysis. Proteomics, 2004, 4, 327-338.	2.2	113
45	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
46	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.	2.4	110
47	Preclinical Evaluation of the Efficacy of Antivenoms for Snakebite Envenoming: State-of-the-Art and Challenges Ahead. Toxins, 2017, 9, 163.	3.4	109
48	Snake Venomics ofBitisSpecies Reveals Large Intragenus Venom Toxin Composition Variation:Â Application to Taxonomy of Congeneric Taxa. Journal of Proteome Research, 2007, 6, 2732-2745.	3.7	108
49	Influence of Porcine Spermadhesins on the Susceptibility of Boar Spermatozoa to High Dilution1. Biology of Reproduction, 2003, 69, 640-646.	2.7	106
50	Venomic and Antivenomic Analyses of the Central American Coral Snake,<i>Micrurus nigrocinctus</i>(Elapidae). Journal of Proteome Research, 2011, 10, 1816-1827.	3.7	105
51	Proteomic analysis of ontogenetic and diet-related changes in venom composition of juvenile and adult Dusky Pigmy rattlesnakes (Sistrurus miliarius barbouri). Journal of Proteomics, 2011, 74, 2169-2179.	2.4	105
52	Isolation and characterization of heparin- and phosphorylcholine-binding proteins of boar and stallion seminal plasma. Primary structure of porcine pB1. FEBS Letters, 1997, 407, 201-206.	2.8	101
53	Snake Venomics of Bitis gabonica gabonica. Protein Family Composition, Subunit Organization of Venom Toxins, and Characterization of Dimeric Disintegrins Bitisgabonin-1 and Bitisgabonin-2. Journal of Proteome Research, 2007, 6, 326-336.	3.7	100
54	<i>Staphylococcus aureus</i> Pathogenicity Island DNA Is Packaged in Particles Composed of Phage Proteins. Journal of Bacteriology, 2008, 190, 2434-2440.	2.2	100

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55	Isolation and biochemical characterization of heparin-binding proteins from boar seminal plasma: A dual role for spermadhesins in fertilization. Molecular Reproduction and Development, 1993, 35, 37-43.	2.0	99
56	Next-generation snake venomics: protein-locus resolution through venom proteome decomplexation. Expert Review of Proteomics, 2014, 11, 315-329.	3.0	99
57	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
58	Quantitation of boar spermadhesins in accessory sex gland fluids and on the surface of epididymal, ejaculated and capacitated spermatozoa. Biochimica Et Biophysica Acta - General Subjects, 1994, 1200, 48-54.	2.4	96
59	On the Structure and Function of Platelet Integrin ÂIIbÂ3, the Fibrinogen Receptor. Experimental Biology and Medicine, 1995, 208, 346-360.	2.4	96
60	EC3, a Novel Heterodimeric Disintegrin from Echis carinatus Venom, Inhibits Î±4 and Î±5 Integrins in an RGD-independent Manner. Journal of Biological Chemistry, 1999, 274, 12468-12473.	3.4	96
61	Profiling the venom gland transcriptomes of Costa Rican snakes by 454 pyrosequencing. BMC Genomics, 2011, 12, 259.	2.8	96
62	Second generation snake antivenomics: Comparing immunoaffinity and immunodepletion protocols. Toxicon, 2012, 60, 688-699.	1.6	96
63	Convergent evolution of pain-inducing defensive venom components in spitting cobras. Science, 2021, 371, 386-390.	12.6	96
64	Amino acid sequence of HSP-1, a major protein of stallion seminal plasma: effect of glycosylation on its heparin- and gelatin-binding capabilities. Biochemical Journal, 1995, 310, 615-622.	3.7	94
65	Cryosurvival and In Vitro Fertilizing Capacity Postthaw Is Improved When Boar Spermatozoa Are Frozen in the Presence of Seminal Plasma From Good Freezer Boars. Journal of Andrology, 2007, 28, 689-697.	2.0	94
66	Venomics of New World pit vipers: Genus-wide comparisons of venom proteomes across Agkistrodon. Journal of Proteomics, 2014, 96, 103-116.	2.4	94
67	Snake venomics of the Armenian mountain vipers Macrovipera lebetina obtusa and Vipera raddei. Journal of Proteomics, 2008, 71, 198-209.	2.4	91
68	The continuing saga of snake venom disintegrins. Toxicon, 2013, 62, 40-49.	1.6	90
69	Venom Proteomics of Indonesian King Cobra, <i>Ophiophagus hannah</i>: Integrating Top-Down and Bottom-Up Approaches. Journal of Proteome Research, 2015, 14, 2539-2556.	3.7	90
70	Venoms of Micrurus coral snakes: Evolutionary trends in compositional patterns emerging from proteomic analyses. Toxicon, 2016, 122, 7-25.	1.6	89
71	The paraspecific neutralisation of snake venom induced coagulopathy by antivenoms. Communications Biology, 2018, 1, 34.	4.4	89
72	Hydrodynamic liver gene transfer mechanism involves transient sinusoidal blood stasis and massive hepatocyte endocytic vesicles. Gene Therapy, 2005, 12, 927-935.	4.5	88

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73	Identification of the disulfide bond pattern in albolabrin, an RGD-containing peptide from the venon of trimeresurus albolabris: Significance for the express of platelet aggregation inhibitory activity. Biochemistry, 1991, 30, 5225-5229.	2.5	86
74	Biophysical characterization of the interaction of bovine seminal plasma protein PDC-109 with phospholipid vesicles. European Biophysics Journal, 1998, 27, 33-41.	2.2	85
75	Molecular Cloning and Characterization of P47, a Novel Boar Sperm-Associated Zona Pellucida-Binding Protein Homologous to a Family of Mammalian Secretory Proteins1. Biology of Reproduction, 1998, 58, 1057-1064.	2.7	85
76	Boar Spermadhesin AWN-1. Oligosaccharide and Zona Pellucida Binding Characteristics. FEBS Journal, 1995, 230, 329-336.	0.2	85
77	Sperm Coating Mechanism from the 1.8 Ã… Crystal Structure of PDC-109-Phosphorylcholine Complex. Structure, 2002, 10, 505-514.	3.3	84
78	Importance of the structure of the RGD-containing loop in the disintegrins echistatin and eristostatin for recognition of Î±IIbÎ²3 and Î±vÎ²3 integrins. FEBS Letters, 1996, 391, 139-143.	2.8	83
79	Integrated Venomics and Venom Gland Transcriptome Analysis of Juvenile and Adult Mexican Rattlesnakes <i>Crotalus simus</i>, <i>C. tzabcan</i>, and <i>C. culminatus</i> Revealed miRNA-modulated Ontogenetic Shifts. Journal of Proteome Research, 2017, 16, 3370-3390.	3.7	82
80	Crystal Structure of a Prostate Kallikrein Isolated from Stallion Seminal Plasma: A Homologue of Human PSA. Journal of Molecular Biology, 2002, 322, 325-337.	4.2	81
81	Mitochondrial and Nuclear Localization of a Novel Pea Thioredoxin: Identification of Its Mitochondrial Target Proteins Â. Plant Physiology, 2009, 150, 646-657.	4.8	81
82	Snake Population Venomics: Proteomics-Based Analyses of Individual Variation Reveals Significant Gene Regulation Effects on Venom Protein Expression in Sistrurus Rattlesnakes. Journal of Molecular Evolution, 2009, 68, 113-125.	1.8	81
83	The 2.4 Ã… resolution crystal structure of boar seminal plasma PSP-I/PSP-II: a zona pellucida-binding glycoprotein heterodimer of the spermadhesin family built by a CUB domain architecture. Journal of Molecular Biology, 1997, 274, 635-649.	4.2	80
84	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.	2.4	80
85	The complete primary structure of the spermadhesin AWN, a zona pellucida-binding protein isolated from boar spermatozoa. FEBS Letters, 1992, 300, 213-218.	2.8	79
86	The crystal structure of Canavalia brasiliensis lectin suggests a correlation between its quaternary conformation and its distinct biological properties from Concanavalin A. FEBS Letters, 1997, 405, 114-118.	2.8	79
87	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.	3.0	79
88	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
89	ATP Sulfurylases from Sulfate-Reducing Bacteria of the GenusDesulfovibrio.A Novel Metalloprotein Containing Cobalt and Zincâ€. Biochemistry, 1998, 37, 16225-16232.	2.5	76
90	Structural and Functional Characterization of EMF10, a Heterodimeric Disintegrin fromEristocophis macmahoniVenom That Selectively Inhibits Î±5Î²1 Integrinâ€,â€¡. Biochemistry, 1999, 38, 13302-13309.	2.5	76

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91	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.	2.4	76
92	Snake venomics across genus Lachesis. Ontogenetic changes in the venom composition of Lachesis stenophrys and comparative proteomics of the venoms of adult Lachesis melanocephala and Lachesis acrochorda. Journal of Proteomics, 2012, 77, 280-297.	2.4	76
93	Complete localization of the intrachain disulphide bonds and the <i>N</i>-glycosylation points in the Î±-subunit of human platelet glycoprotein IIb. Biochemical Journal, 1989, 261, 561-568.	3.7	74
94	Snake venomics of the Brazilian pitvipers Bothrops cotiara and Bothrops fonsecai. Identification of taxonomy markers. Journal of Proteomics, 2008, 71, 473-485.	2.4	73
95	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
96	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
97	Conformational Features and Thermal Stability of Bovine Seminal Plasma Protein PDC-109 Oligomers and Phosphorylcholine-Bound Complexes. FEBS Journal, 1997, 250, 735-744.	0.2	71
98	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.	2.4	70
99	Comparative venomics of the Prairie Rattlesnake (Crotalus viridis viridis) from Colorado: Identification of a novel pattern of ontogenetic changes in venom composition and assessment of the immunoreactivity of the commercial antivenom CroFabÂ®. Journal of Proteomics, 2015, 121, 28-43.	2.4	70
100	The Presence of the WGD Motif in CC8 Heterodimeric Disintegrin Increases Its Inhibitory Effect on Î±IIbÎ²3, Î±vÎ²3, and Î±5Î²1 Integrinsâ€. Biochemistry, 2002, 41, 2014-2021.	2.5	69
101	Inhibitory Effects of MLDG-containing Heterodimeric Disintegrins Reveal Distinct Structural Requirements for Interaction of the Integrin Î±9Î²1 with VCAM-1, Tenascin-C, and Osteopontin. Journal of Biological Chemistry, 2000, 275, 31930-31937.	3.4	67
102	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.	1.6	67
103	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.	2.4	67
104	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.	2.4	67
105	Assessing the preclinical efficacy of antivenoms: From the lethality neutralization assay to antivenomics. Toxicon, 2013, 69, 168-179.	1.6	66
106	Preclinical validation of a repurposed metal chelator as an early-intervention therapeutic for hemotoxic snakebite. Science Translational Medicine, 2020, 12, .	12.4	66
107	The primary structure of BSP-30K, a major lipid-, gelatin-, and heparin-binding glycoprotein of bovine seminal plasma. FEBS Letters, 1996, 399, 147-152.	2.8	65
108	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.	3.7	65

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109	Platelet Integrin GPIIb/IIIa: Structure-Function Correlations. An Update and Lessons from Other Integrins2. Proceedings of the Society for Experimental Biology and Medicine, 1999, 222, 29-38.	1.8	65
110	Boar spermadhesin PSP-II: Location of posttranslational modifications, heterodimer formation with PSP-I glycoforms and effect of dimerization on the ligand-binding capabilities of the subunits. FEBS Letters, 1995, 365, 179-182.	2.8	64
111	Phylogeny-Based Comparative Analysis of Venom Proteome Variation in a Clade of Rattlesnakes (Sistrurus sp.). PLoS ONE, 2013, 8, e67220.	2.5	64
112	When one phenotype is not enough: divergent evolutionary trajectories govern venom variation in a widespread rattlesnake species. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182735.	2.6	64
113	Exposure to the seminal plasma of different portions of the boar ejaculate modulates the survival of spermatozoa cryopreserved in MiniFlatPacks. Theriogenology, 2009, 71, 662-675.	2.1	63
114	Combined snake venomics and venom gland transcriptomic analysis of Bothropoides pauloensis. Journal of Proteomics, 2012, 75, 2707-2720.	2.4	63
115	Further studies on the topography of the N-terminal region of human platelet glycoprotein IIIa. Localization of monoclonal antibody epitopes and the putative fibrinogen-binding sites. Biochemical Journal, 1991, 274, 457-463.	3.7	61
116	Localization and structural characterization of an oligosaccharide O-linked to bovine PDC-109 Quantitation of the glycoprotein in seminal plasma and on the surface of ejaculated and capacitated spermatozoa. FEBS Letters, 1994, 350, 203-206.	2.8	61
117	Antivenomics and venom phenotyping: A marriage of convenience to address the performance and range of clinical use of antivenoms. Toxicon, 2010, 56, 1284-1291.	1.6	61
118	Constructing comprehensive venom proteome reference maps for integrative venomics. Expert Review of Proteomics, 2015, 12, 557-573.	3.0	61
119	Purification and characterization of a lectin from seeds of Vatairea macrocarpa duke. Phytochemistry, 1998, 49, 675-680.	2.9	60
120	Molecular characterization and crystallization of Diocleinae lectins. BBA - Proteins and Proteomics, 1999, 1430, 367-375.	2.1	60
121	A multicomponent strategy to improve the availability of antivenom for treating snakebite envenoming. Bulletin of the World Health Organization, 2014, 92, 526-532.	3.3	60
122	Top-down venomics of the East African green mamba, Dendroaspis angusticeps , and the black mamba, Dendroaspis polylepis , highlight the complexity of their toxin arsenals. Journal of Proteomics, 2016, 146, 148-164.	2.4	60
123	Characterization of two glycosylated boar spermadhesins. FEBS Journal, 1993, 218, 719-725.	0.2	59
124	Interaction of Non-Aggregated Boar AWN-1 and AQN-3 with Phospholipid Matrices. A Model for Coating of Spermadhesins to the Sperm Surface. Biological Chemistry Hoppe-Seyler, 1995, 376, 237-242.	1.4	59
125	A Procedure for the Large-Scale Isolation of Major Bovine Seminal Plasma Proteins. Protein Expression and Purification, 1996, 8, 48-56.	1.3	59
126	Proteomic Identification of Actin-Derived Oligopeptides in Dry-Cured Ham. Journal of Agricultural and Food Chemistry, 2007, 55, 3613-3619.	5.2	59

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127	Snake Venomics of <i>Crotalus tigris</i>: 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
128	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
129	The disulfide bridge pattern of snake venom disintegrins, flavoridin and echistatin. FEBS Letters, 1992, 309, 316-320.	2.8	58
130	Disulphide-bond pattern and molecular modelling of the dimeric disintegrin EMF-10, a potent and selective integrin Î±5Î²1 antagonist from Eristocophis macmahoni venom. Biochemical Journal, 2000, 345, 573-581.	3.7	58
131	Structure-Function Correlations of Snake Venom Disintegrins&#. Current Pharmaceutical Design, 2005, 11, 829-835.	1.9	58
132	Immunoelectronmicroscopic imaging of spermadhesin AWN epitopes on boar spermatozoa bound in vivo to the zona pellucida. Reproduction, Fertility and Development, 1998, 10, 491.	0.4	57
133	Snake venomics of two poorly known Hydrophiinae: Comparative proteomics of the venoms of terrestrial Toxicocalamus longissimus and marine Hydrophis cyanocinctus. Journal of Proteomics, 2012, 75, 4091-4101.	2.4	57
134	Structural determinants of the selectivity of KTS-disintegrins for the Î±1Î²1 integrin. FEBS Letters, 2004, 577, 478-482.	2.8	56
135	Snake venomics of Lachesis muta rhombeata and genus-wide antivenomics assessment of the paraspecific immunoreactivity of two antivenoms evidence the high compositional and immunological conservation across Lachesis. Journal of Proteomics, 2013, 89, 112-123.	2.4	56
136	What killed Karl Patterson Schmidt? Combined venom gland transcriptomic, venomic and antivenomic analysis of the South African green tree snake (the boomslang), Dispholidus typus. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 814-823.	2.4	56
137	Seminal Plasma: Relevant for Fertility?. International Journal of Molecular Sciences, 2021, 22, 4368.	4.1	56
138	Molecular Cloning of Disintegrin-like Transcript BA-5A from a Bitis arietans Venom Gland cDNA Library: A Putative Intermediate in the Evolution of the Long-Chain Disintegrin Bitistatin. Journal of Molecular Evolution, 2006, 63, 142-152.	1.8	55
139	Effect of VP12 and viperistatin on inhibition of collagen receptors: dependent melanoma metastasis. Cancer Biology and Therapy, 2009, 8, 1507-1516.	3.4	55
140	Spermadhesin PSP-I/PSP-II heterodimer induces migration of polymorphonuclear neutrophils into the uterine cavity of the sow. Journal of Reproductive Immunology, 2010, 84, 57-65.	1.9	55
141	Snake Venomics of <i>Bothriechis nigroviridis</i> 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
142	Isolation and biochemical characterization of a zona pellucida-binding glycoprotein of boar spermatozoa. FEBS Letters, 1991, 280, 183-186.	2.8	54
143	Proteolytic dissection of the isolated platelet fibrinogen receptor, integrin GPIIb/IIIa. Localization of GPIIb and GPIIIa sequences putatively involved in the subunit interface and in intrasubunit and intrachain contacts. Biochemical Journal, 1992, 282, 523-532.	3.7	54
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