

Juan Calvete

List of Publications by Year in descending order

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433
papers

23,010
citations

6613

79
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17105

122
g-index

465
all docs

465
docs citations

465
times ranked

10915
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Intraspecific venom variation of Mexican West Coast Rattlesnakes (<i>Crotalus basiliscus</i>) and its implications for antivenom production. <i>Biochimie</i> , 2022, 192, 111-124. | 2.6 | 6 |
| 2 | Analytical strategies in venomics. <i>Microchemical Journal</i> , 2022, 175, 107187. | 4.5 | 19 |
| 3 | Interpopulational variation and ontogenetic shift in the venom composition of Lataste's viper (<i>Vipera</i>) Tj ETQq1 1 0,784314 rgBT /Over | 2.4 | 8 |
| 4 | The earless monitor lizard <i>Lanthanotus borneensis</i> – A venomous animal?. <i>Toxicon</i> , 2021, 189, 73-78. | 1.6 | 3 |
| 5 | Convergent evolution of pain-inducing defensive venom components in spitting cobras. <i>Science</i> , 2021, 371, 386-390. | 12.6 | 96 |
| 6 | Antivenomics and in vivo preclinical efficacy of six Latin American antivenoms towards south-western Colombian <i>Bothrops asper</i> lineage venoms. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009073. | 3.0 | 17 |
| 7 | Seminal Plasma: Relevant for Fertility?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4368. | 4.1 | 56 |
| 8 | What's in a mass?. <i>Biochemical Society Transactions</i> , 2021, 49, 1027-1037. | 3.4 | 3 |
| 9 | Comparative venomics and preclinical efficacy evaluation of a monospecific <i>Hemachatus</i> antivenom towards sub-Saharan Africa cobra venoms. <i>Journal of Proteomics</i> , 2021, 240, 104196. | 2.4 | 7 |
| 10 | Mutual enlightenment: A toolbox of concepts and methods for integrating evolutionary and clinical toxinology via snake venomics and the contextual stance. <i>Toxicon: X</i> , 2021, 9-10, 100070. | 2.9 | 21 |
| 11 | Venomics of the poorly studied hognosed pitvipers <i>Porthidium arcosae</i> and <i>Porthidium volcanicum</i> . <i>Journal of Proteomics</i> , 2021, 249, 104379. | 2.4 | 2 |
| 12 | Combined Molecular and Elemental Mass Spectrometry Approaches for Absolute Quantification of Proteomes: Application to the Venomics Characterization of the Two Species of Desert Black Cobras, <i>Walterinnesia aegyptia</i> and <i>Walterinnesia morgani</i> . <i>Journal of Proteome Research</i> , 2021, 20, 5064-5078. | 3.7 | 10 |
| 13 | Venom variation in <i>Bothrops asper</i> lineages from North-Western South America. <i>Journal of Proteomics</i> , 2020, 229, 103945. | 2.4 | 19 |
| 14 | Repurposing DMPS, a metal chelator, as a rapid field intervention for treating hemotoxic snakebite. <i>Toxicon</i> , 2020, 177, S21. | 1.6 | 0 |
| 15 | Danger in the Canopy. Comparative Proteomics and Bioactivities of the Venoms of the South American Palm Pit Viper <i>Bothrops bilineatus</i> Subspecies <i>bilineatus</i> and <i>smaragdinus</i> and Antivenomics of <i>B. b. bilineatus</i> (Rondônia) Venom against the Brazilian Pentabothropic Antivenom. <i>Journal of Proteome Research</i> , 2020, 19, 3518-3532. | 3.7 | 11 |
| 16 | The molecular basis of venom resistance in a rattlesnake-squirrel predator-prey system. <i>Toxicon</i> , 2020, 177, S46. | 1.6 | 1 |
| 17 | Preclinical validation of a repurposed metal chelator as an early-intervention therapeutic for hemotoxic snakebite. <i>Science Translational Medicine</i> , 2020, 12, . | 12.4 | 66 |
| 18 | Comparative characterization of Viperidae snake venoms from Perú reveals two compositional patterns of phospholipase A2 expression. <i>Toxicon: X</i> , 2020, 7, 100044. | 2.9 | 20 |

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|----|--|-----|-----------|
| 19 | Venomomics and biochemical analysis of the black-tailed horned pitviper, <i>Mixcoatlus melanurus</i> , and characterization of Melanurutoxin, a novel crotoxin homolog. <i>Journal of Proteomics</i> , 2020, 225, 103865. | 2.4 | 7 |
| 20 | Isolation and characterization of cytotoxic and insulin-releasing components from the venom of the black-necked spitting cobra <i>Naja nigricollis</i> (Elapidae). <i>Toxicon: X</i> , 2020, 6, 100030. | 2.9 | 19 |
| 21 | The molecular basis of venom resistance in a rattlesnake–squirrel predator–prey system. <i>Molecular Ecology</i> , 2020, 29, 2871-2888. | 3.9 | 23 |
| 22 | Venomomics of the Duvernoy's gland secretion of the false coral snake <i>Rhinobothryum bovallii</i> (Andersson, 1916) and assessment of venom lethality towards synapsid and diapsid animal models. <i>Journal of Proteomics</i> , 2020, 225, 103882. | 2.4 | 12 |
| 23 | Comparative proteomic profiling and functional characterization of venom pooled from captive <i>Crotalus durissus terrificus</i> specimens and the Brazilian crotalic reference venom. <i>Toxicon</i> , 2020, 185, 26-35. | 1.6 | 9 |
| 24 | Dagestan blunt-nosed viper, <i>Macrovipera lebetina obtusa</i> (Dwigubsky, 1832), venom. Venomomics, antivenomics, and neutralization assays of the lethal and toxic venom activities by anti- <i>Macrovipera lebetina turanica</i> and anti- <i>Vipera berus berus</i> antivenoms. <i>Toxicon: X</i> , 2020, 6, 100035. | 2.9 | 13 |
| 25 | Venomomics and antivenomics of the poorly studied Brazil's lancehead, <i>Bothrops brazili</i> (Hoge, 1954), from the Brazilian State of Pará. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2020, 26, e20190103. | 1.4 | 14 |
| 26 | Ultra-long reads DNA sequencing with MinION nanopore device allowed to assemble full length BAC clones containing SVMP clusters. <i>Toxicon</i> , 2019, 168, S42. | 1.6 | 0 |
| 27 | Phylovenomics of <i>Daboia russelii</i> 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. <i>Journal of Proteomics</i> , 2019, 207, 103443. | 2.4 | 67 |
| 28 | Comparative venomomics of Brazilian coral snakes: <i>Micrurus frontalis</i> , <i>Micrurus spixii spixii</i> , and <i>Micrurus surinamensis</i> . <i>Toxicon</i> , 2019, 166, 39-45. | 1.6 | 22 |
| 29 | When one phenotype is not enough: divergent evolutionary trajectories govern venom variation in a widespread rattlesnake species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182735. | 2.6 | 64 |
| 30 | Journal of Proteomics turns 10: Happy anniversary! and beyond. <i>Journal of Proteomics</i> , 2019, 198, iii. | 2.4 | 0 |
| 31 | New insights into the phylogeographic distribution of the 3FTx/PLA2 venom dichotomy across genus <i>Micrurus</i> in South America. <i>Journal of Proteomics</i> , 2019, 200, 90-101. | 2.4 | 34 |
| 32 | <i>Vipera berus berus</i> Venom from Russia: Venomomics, Bioactivities and Preclinical Assessment of Microgen Antivenom. <i>Toxins</i> , 2019, 11, 90. | 3.4 | 27 |
| 33 | The Harderian gland transcriptomes of <i>Caraiba andreae</i> , <i>Cubophis cantherigerus</i> and <i>Tretanorhinus variabilis</i> , three colubroid snakes from Cuba. <i>Genomics</i> , 2019, 111, 1720-1727. | 2.9 | 10 |
| 34 | Third-generation antivenomics analysis of the preclinical efficacy of Bothrofav® antivenom towards <i>Bothrops lanceolatus</i> venom. <i>Toxicon: X</i> , 2019, 1, 100004. | 2.9 | 4 |
| 35 | Enhanced Universal Quantification of Biomolecules Using Element MS and Generic Standards: Application to Intact Protein and Phosphoprotein Determination. <i>Analytical Chemistry</i> , 2019, 91, 1105-1112. | 6.5 | 11 |
| 36 | Defining the pathogenic threat of envenoming by South African shield-nosed and coral snakes (genus <i>Tj</i> ETQq0 0 0 rgBT /Overlock 10 T 186-198. | 2.4 | 29 |

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|----|--|------|-----------|
| 37 | Snake venomomics at the crossroads between ecological and clinical toxinology. <i>Biochemist</i> , 2019, 41, 28-33. | 0.5 | 9 |
| 38 | The paraspecific neutralisation of snake venom induced coagulopathy by antivenoms. <i>Communications Biology</i> , 2018, 1, 34. | 4.4 | 89 |
| 39 | Transcriptomics-guided bottom-up and top-down venomomics of neonate and adult specimens of the arboreal rear-fanged Brown Treesnake, <i>Boiga irregularis</i> , from Guam. <i>Journal of Proteomics</i> , 2018, 174, 71-84. | 2.4 | 47 |
| 40 | Toxin-resolved antivenomics-guided assessment of the immunorecognition landscape of antivenoms. <i>Toxicon</i> , 2018, 148, 107-122. | 1.6 | 38 |
| 41 | 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. <i>Journal of Proteomics</i> , 2018, 172, 173-189. | 2.4 | 80 |
| 42 | A synthetic biology approach for consistent production of plant-made recombinant polyclonal antibodies against snake venom toxins. <i>Plant Biotechnology Journal</i> , 2018, 16, 727-736. | 8.3 | 30 |
| 43 | Examination of biochemical and biological activities of <i>Bothrops jararaca</i> (Serpentes: Viperidae); Tj ETQq1 1 0.784314 rgBT / Qverlock 10 | 1.6 | 7 |
| 44 | Venom gland transcriptomics and microRNA profiling of juvenile and adult yellow-bellied sea snake, <i>Hydrophis platurus</i> , from Playa del Coco (Guanacaste, Costa Rica). <i>Toxicon</i> , 2018, 153, 96-105. | 1.6 | 14 |
| 45 | Translational Venomomics: Third-Generation Antivenomics of Anti-Siamese Russell's Viper, <i>Daboia siamensis</i> , Antivenom Manufactured in Taiwan CDC's Vaccine Center. <i>Tropical Medicine and Infectious Disease</i> , 2018, 3, 66. | 2.3 | 20 |
| 46 | Snake venomomics "from low-resolution toxin-pattern recognition to toxin-resolved venom proteomes with absolute quantification. <i>Expert Review of Proteomics</i> , 2018, 15, 555-568. | 3.0 | 30 |
| 47 | Venom Complexity in a Pitviper Produced by Facultative Parthenogenesis. <i>Scientific Reports</i> , 2018, 8, 11539. | 3.3 | 14 |
| 48 | A novel pentameric phospholipase A2 myotoxin (PophPLA2) from the venom of the pit viper <i>Porthidium ophryomegas</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1-8. | 7.5 | 8 |
| 49 | What killed Karl Patterson Schmidt? Combined venom gland transcriptomic, venomomic and antivenomic analysis of the South African green tree snake (the boomslang), <i>Dispholidus typus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 814-823. | 2.4 | 56 |
| 50 | Venomomics: integrative venom proteomics and beyond. <i>Biochemical Journal</i> , 2017, 474, 611-634. | 3.7 | 153 |
| 51 | Protein-species quantitative venomomics: looking through a crystal ball. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2017, 23, 27. | 1.4 | 26 |
| 52 | Strategies in "snake venomomics" aiming at an integrative view of compositional, functional, and immunological characteristics of venoms. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2017, 23, 26. | 1.4 | 113 |
| 53 | Absolute venomomics: Absolute quantification of intact venom proteins through elemental mass spectrometry. <i>Journal of Proteomics</i> , 2017, 164, 33-42. | 2.4 | 42 |
| 54 | Snakebite envenoming. <i>Nature Reviews Disease Primers</i> , 2017, 3, 17063. | 30.5 | 608 |

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|----|--|-----|-----------|
| 55 | 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. <i>Journal of Proteome Research</i> , 2017, 16, 3370-3390. | 3.7 | 82 |
| 56 | Proteomic analysis of venom variability and ontogeny across the arboreal palm-pitvipers (genus <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7</i>) | 2.4 | 44 |
| 57 | Selection for higher fertility reflects in the seminal fluid proteome of modern domestic chicken. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2017, 21, 27-40. | 1.0 | 14 |
| 58 | Proteomics and antivenomics of Papuan black snake (<i>Pseudechis papuanus</i>) venom with analysis of its toxicological profile and the preclinical efficacy of Australian antivenoms. <i>Journal of Proteomics</i> , 2017, 150, 201-215. | 2.4 | 22 |
| 59 | Drought Tolerance in <i>Pinus halepensis</i> Seed Sources As Identified by Distinctive Physiological and Molecular Markers. <i>Frontiers in Plant Science</i> , 2017, 8, 1202. | 3.6 | 38 |
| 60 | Third Generation Antivenomics: Pushing the Limits of the In Vitro Preclinical Assessment of Antivenoms. <i>Toxins</i> , 2017, 9, 158. | 3.4 | 45 |
| 61 | Preclinical Evaluation of the Efficacy of Antivenoms for Snakebite Envenoming: State-of-the-Art and Challenges Ahead. <i>Toxins</i> , 2017, 9, 163. | 3.4 | 109 |
| 62 | Venom On-a-Chip: A Fast and Efficient Method for Comparative Venomics. <i>Toxins</i> , 2017, 9, 179. | 3.4 | 17 |
| 63 | Cross-reactivity, antivenomics, and neutralization of toxic activities of <i>Lachesis</i> venoms by polyspecific and monospecific antivenoms. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005793. | 3.0 | 25 |
| 64 | Is Hybridization a Source of Adaptive Venom Variation in Rattlesnakes? A Test, Using a <i>Crotalus scutulatus</i> – <i>viridis</i> Hybrid Zone in Southwestern New Mexico. <i>Toxins</i> , 2016, 8, 188. | 3.4 | 29 |
| 65 | Insights into the Evolution of a Snake Venom Multi-Gene Family from the Genomic Organization of <i>Echis ocellatus</i> SVMP Genes. <i>Toxins</i> , 2016, 8, 216. | 3.4 | 16 |
| 66 | Snake Venomics and Antivenomics of <i>Bothrops diporus</i> , a Medically Important Pitviper in Northeastern Argentina. <i>Toxins</i> , 2016, 8, 9. | 3.4 | 22 |
| 67 | Novel Catalytically-Inactive PII Metalloproteinases from a Viperid Snake Venom with Substitutions in the Canonical Zinc-Binding Motif. <i>Toxins</i> , 2016, 8, 292. | 3.4 | 8 |
| 68 | Venomic Analysis of the Poorly Studied Desert Coral Snake, <i>Micrurus tschudii</i> <i>tschudii</i> , Supports the 3FTx/PLA2 Dichotomy across <i>Micrurus</i> Venoms. <i>Toxins</i> , 2016, 8, 178. | 3.4 | 44 |
| 69 | Preclinical evaluation of three polyspecific antivenoms against the venom of <i>Echis ocellatus</i> : Neutralization of toxic activities and antivenomics. <i>Toxicon</i> , 2016, 119, 280-288. | 1.6 | 28 |
| 70 | Elemental Mass Spectrometry for Absolute Intact Protein Quantification without Protein-Specific Standards: Application to Snake Venomics. <i>Analytical Chemistry</i> , 2016, 88, 9699-9706. | 6.5 | 47 |
| 71 | Venoms of <i>Micrurus</i> coral snakes: Evolutionary trends in compositional patterns emerging from proteomic analyses. <i>Toxicon</i> , 2016, 122, 7-25. | 1.6 | 89 |
| 72 | The challenge of integrating proximate and ultimate causes to reconstruct the natural histories of venoms: the evolutionary link. <i>Expert Review of Proteomics</i> , 2016, 13, 1059-1061. | 3.0 | 2 |

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|----|---|-----|-----------|
| 73 | Top-down venomomics of the East African green mamba, <i>Dendroaspis angusticeps</i> , and the black mamba, <i>Dendroaspis polylepis</i> , highlight the complexity of their toxin arsenals. <i>Journal of Proteomics</i> , 2016, 146, 148-164. | 2.4 | 60 |
| 74 | Identification of the major proteins present in the seminal plasma of European eel, and how hormonal treatment affects their evolution. Correlation with sperm quality. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 201, 37-45. | 1.8 | 5 |
| 75 | Distribution of RPTLN Genes Across Reptilia: Hypothesized Role for RPTLN in the Evolution of SVMPS. <i>Integrative and Comparative Biology</i> , 2016, 56, 989-1003. | 2.0 | 8 |
| 76 | Characterization of a novel snake venom component: Kazal-type inhibitor-like protein from the arboreal pitviper <i>Bothriechis schlegelii</i> . <i>Biochimie</i> , 2016, 125, 83-90. | 2.6 | 13 |
| 77 | Ecological proteomics: is the field ripe for integrating proteomics into evolutionary ecology research?. <i>Journal of Proteomics</i> , 2016, 135, 1-3. | 2.4 | 19 |
| 78 | Combined venomomics, venom gland transcriptomics, bioactivities, and antivenomics of two <i>Bothrops jararaca</i> populations from geographic isolated regions within the Brazilian Atlantic rainforest. <i>Journal of Proteomics</i> , 2016, 135, 73-89. | 2.4 | 110 |
| 79 | A Call for Incorporating Social Research in the Global Struggle against Snakebite. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003960. | 3.0 | 34 |
| 80 | Computational proteomics: Integrating mass spectral data into a biological context. <i>Journal of Proteomics</i> , 2015, 129, 1-2. | 2.4 | 0 |
| 81 | First crotoxin-like phospholipase A2 complex from a New World non-rattlesnake species: Nigroviriditoxin, from the arboreal Neotropical snake <i>Bothriechis nigroviridis</i> . <i>Toxicon</i> , 2015, 93, 144-154. | 1.6 | 23 |
| 82 | Tissue Localization and Extracellular Matrix Degradation by PI, PII and PIII Snake Venom Metalloproteinases: Clues on the Mechanisms of Venom-Induced Hemorrhage. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003731. | 3.0 | 79 |
| 83 | Venom Proteomics of Indonesian King Cobra, <i>Ophiophagus hannah</i> : Integrating Top-Down and Bottom-Up Approaches. <i>Journal of Proteome Research</i> , 2015, 14, 2539-2556. | 3.7 | 90 |
| 84 | Anti-angiogenic activities of snake venom CRISP isolated from <i>Echis carinatus sochureki</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1169-1179. | 2.4 | 23 |
| 85 | Comparative venomomics of the Prairie Rattlesnake (<i>Crotalus viridis viridis</i>) from Colorado: Identification of a novel pattern of ontogenetic changes in venom composition and assessment of the immunoreactivity of the commercial antivenom CroFab®. <i>Journal of Proteomics</i> , 2015, 121, 28-43. | 2.4 | 70 |
| 86 | Evaluation of the preclinical efficacy of four antivenoms, distributed in sub-Saharan Africa, to neutralize the venom of the carpet viper, <i>Echis ocellatus</i> , from Mali, Cameroon, and Nigeria. <i>Toxicon</i> , 2015, 106, 97-107. | 1.6 | 31 |
| 87 | Constructing comprehensive venom proteome reference maps for integrative venomomics. <i>Expert Review of Proteomics</i> , 2015, 12, 557-573. | 3.0 | 61 |
| 88 | The proteome quest to understand biology and disease (HUPO 2014). <i>Journal of Proteomics</i> , 2015, 127, 223-224. | 2.4 | 0 |
| 89 | Snake venomomics of <i>Micrurus alleni</i> and <i>Micrurus mosquitensis</i> from the Caribbean region of Costa Rica reveals two divergent compositional patterns in New World elapids. <i>Toxicon</i> , 2015, 107, 217-233. | 1.6 | 59 |
| 90 | A bright future for integrative venomomics. <i>Toxicon</i> , 2015, 107, 159-162. | 1.6 | 41 |

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|-----|---|-----|-----------|
| 91 | Quaternary structure of <i>Dioclea grandiflora</i> lectin assessed by equilibrium sedimentation and crystallographic analysis of recombinant mutants. <i>FEBS Letters</i> , 2015, 589, 2290-2296. | 2.8 | 9 |
| 92 | Arid environments: Opportunities for studying co-evolutionary patterns of scorpion venoms in predator-prey systems. <i>Journal of Arid Environments</i> , 2015, 112, 165-169. | 2.4 | 4 |
| 93 | NMR structure of bitistatin missing piece in the evolutionary pathway of snake venom disintegrins. <i>FEBS Journal</i> , 2015, 282, 341-360. | 4.7 | 18 |
| 94 | Venomomics and antivenomics of <i>Bothrops erythromelas</i> from five geographic populations within the Caatinga ecoregion of northeastern Brazil. <i>Journal of Proteomics</i> , 2015, 114, 93-114. | 2.4 | 50 |
| 95 | Combined venom gland cDNA sequencing and venomomics of the New Guinea small-eyed snake, <i>Micropechis ikaheka</i> . <i>Journal of Proteomics</i> , 2014, 110, 209-229. | 2.4 | 19 |
| 96 | Next-generation snake venomomics: protein-locus resolution through venom proteome decomplexation. <i>Expert Review of Proteomics</i> , 2014, 11, 315-329. | 3.0 | 99 |
| 97 | A multicomponent strategy to improve the availability of antivenom for treating snakebite envenoming. <i>Bulletin of the World Health Organization</i> , 2014, 92, 526-532. | 3.3 | 60 |
| 98 | Isolation and characterization of four medium-size disintegrins from the venoms of Central American viperid snakes of the genera <i>Atropoides</i> , <i>Bothrops</i> , <i>Cerrophidion</i> and <i>Crotalus</i> . <i>Biochimie</i> , 2014, 107, 376-384. | 2.6 | 17 |
| 99 | Omics Meets Biology: Application to the Design and Preclinical Assessment of Antivenoms. <i>Toxins</i> , 2014, 6, 3388-3405. | 3.4 | 52 |
| 100 | Two color morphs of the pelagic yellow-bellied sea snake, <i>Pelamis platura</i> , from different locations of Costa Rica: Snake venomomics, toxicity, and neutralization by antivenom. <i>Journal of Proteomics</i> , 2014, 103, 137-152. | 2.4 | 39 |
| 101 | Understanding structural and functional aspects of PII snake venom metalloproteinases: Characterization of B1atH1, a hemorrhagic dimeric enzyme from the venom of <i>Bothriechis lateralis</i> . <i>Biochimie</i> , 2014, 101, 145-155. | 2.6 | 21 |
| 102 | Putting value in biomarker research and reporting. <i>Journal of Proteomics</i> , 2014, 96, A1-A3. | 2.4 | 19 |
| 103 | Venomous snakes of Costa Rica: Biological and medical implications of their venom proteomic profiles analyzed through the strategy of snake venomomics. <i>Journal of Proteomics</i> , 2014, 105, 323-339. | 2.4 | 97 |
| 104 | Immunological profile of antivenoms: Preclinical analysis of the efficacy of a polyspecific antivenom through antivenomics and neutralization assays. <i>Journal of Proteomics</i> , 2014, 105, 340-350. | 2.4 | 73 |
| 105 | Venomomics of New World pit vipers: Genus-wide comparisons of venom proteomes across <i>Agkistrodon</i> . <i>Journal of Proteomics</i> , 2014, 96, 103-116. | 2.4 | 94 |
| 106 | Medically important differences in snake venom composition are dictated by distinct postgenomic mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9205-9210. | 7.1 | 253 |
| 107 | Preclinical efficacy of Australian antivenoms against the venom of the small-eyed snake, <i>Micropechis ikaheka</i> , from Papua New Guinea: An antivenomics and neutralization study. <i>Journal of Proteomics</i> , 2014, 110, 198-208. | 2.4 | 13 |
| 108 | The magic of words. <i>Journal of Proteomics</i> , 2014, 107, 1-4. | 2.4 | 4 |

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|-----|--|-----|-----------|
| 109 | Inhibitory effects of recombinant RTS-jerdostatin on integrin $\alpha_1\beta_1$ function during adhesion, migration and proliferation of rat aortic smooth muscle cells and angiogenesis. <i>Toxicon</i> , 2014, 79, 45-54. | 1.6 | 10 |
| 110 | Characterization and cDNA sequence of <i>Bothriechis schlegelii</i> l-amino acid oxidase with antibacterial activity. <i>International Journal of Biological Macromolecules</i> , 2014, 69, 200-207. | 7.5 | 14 |
| 111 | Challenges and prospects of proteomics of non-model organisms. <i>Journal of Proteomics</i> , 2014, 105, 1-4. | 2.4 | 8 |
| 112 | The Expanding Universe of Mass Analyzer Configurations for Biological Analysis. <i>Methods in Molecular Biology</i> , 2014, 1072, 61-81. | 0.9 | 10 |
| 113 | Peptides with in vitro anti-tumor activity from the venom of the Eastern green mamba, <i>Dendroaspis angusticeps</i> (Elapidae). <i>Journal of Venom Research</i> , 2014, 5, 16-21. | 0.6 | 6 |
| 114 | Protein profile of <i>Lupinus texensis</i> phloem sap exudates: Searching for Fe and Zn containing proteins. <i>Proteomics</i> , 2013, 13, 2283-2296. | 2.2 | 24 |
| 115 | Snake venomomics of <i>Lachesis muta rhombeata</i> and genus-wide antivenomics assessment of the paraspecific immunoreactivity of two antivenoms evidence the high compositional and immunological conservation across <i>Lachesis</i> . <i>Journal of Proteomics</i> , 2013, 89, 112-123. | 2.4 | 56 |
| 116 | Integrated proteomics profiling indicates that miRNAs are modulators of the ontogenetic venom composition shift in the Central American rattlesnake, <i>Crotalus simus simus</i> . <i>BMC Genomics</i> , 2013, 14, 234. | 2.8 | 164 |
| 117 | PIVL, a new serine protease inhibitor from <i>Macrovipera lebetina transmediterranea</i> venom, impairs motility of human glioblastoma cells. <i>Matrix Biology</i> , 2013, 32, 52-62. | 3.6 | 51 |
| 118 | Amino acid sequence and biological characterization of BlatPLA2, a non-toxic acidic phospholipase A2 from the venom of the arboreal snake <i>Bothriechis lateralis</i> from Costa Rica. <i>Toxicon</i> , 2013, 73, 71-80. | 1.6 | 19 |
| 119 | The king cobra genome reveals dynamic gene evolution and adaptation in the snake venom system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20651-20656. | 7.1 | 412 |
| 120 | Preclinical assessment of a polyspecific antivenom against the venoms of <i>Cerrophidion sasai</i> , <i>Porthidium nasutum</i> and <i>Porthidium ophryomegas</i> : Insights from combined antivenomics and neutralization assays. <i>Toxicon</i> , 2013, 64, 60-69. | 1.6 | 20 |
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