Jose M Gutierrez

List of Publications by Year in Descending Order

517 papers	23,019 citations	77 h-index	115 g-index
547 ext. papers	25,534 ext. citations	3.5 avg, IF	6.95 L-index

#	Paper	IF	Citations
517	Proteomic and toxicological analysis of the venom of and its neutralization by an antivenom.. *Toxicon: X*, **2022**, 13, 100097	2.6	0
516	A transdisciplinary approach to snakebite envenoming.. *Toxicon: X*, **2022**, 13, 100088	2.6	1
515	Inhibition of enzymatic activities of Bothrops asper snake venom and docking analysis of compounds from plants used in Central America to treat snakebite envenoming. *Journal of Ethnopharmacology*, **2022**, 283, 114710	5	0
514	Traces of Bothrops snake venoms in necrotic muscle preclude myotube formation in vitro.. *Toxicon*, **2022**, 211, 36-43	2.8	
513	Neutralization of Myotoxin II, a Phospholipase A Homologue from Venom, Using Peptides Discovered via Phage Display Technology.. *ACS Omega*, **2022**, 7, 15561-15569	3.9	0
512	Assessing a 6-h endpoint observation time in the lethality neutralization assay used to evaluate the preclinical efficacy of snake antivenoms. *Toxicon: X*, **2021**, 12, 100087	2.6	0
511	Changes in basement membrane components in an experimental model of skeletal muscle degeneration and regeneration induced by snake venom and myotoxic phospholipase A. *Toxicon*, **2021**, 192, 46-56	2.8	3
510	Snakebite Envenomation as a Neglected Tropical Disease **2021**, 471-484		1
509	Snakebite Envenomation in Central America **2021**, 543-558		0
508	Development and characterization of two equine formulations towards SARS-CoV-2 proteins for the potential treatment of COVID-19. *Scientific Reports*, **2021**, 11, 9825	4.9	9
507	Comparative venomics and preclinical efficacy evaluation of a monospecific Hemachatus antivenom towards sub-Saharan Africa cobra venoms. *Journal of Proteomics*, **2021**, 240, 104196	3.9	3
506	A Biomimetic of Endogenous Tissue Inhibitors of Metalloproteinases: Inhibition Mechanism and Contribution of Composition, Polymer Size, and Shape to the Inhibitory Effect. *Nano Letters*, **2021**, 21, 5663-5670	11.5	1
505	The application of laboratory-based analytical tools and techniques for the quality assessment and improvement of commercial antivenoms used in the treatment of snakebite envenomation. *Drug Testing and Analysis*, **2021**, 13, 1471-1489	3.5	3
504	The Search for Natural and Synthetic Inhibitors That Would Complement Antivenoms as Therapeutics for Snakebite Envenoming. *Toxins*, **2021**, 13,	4.9	6
503	Appraisal of antivenom production in public laboratories in Latin America during the first semester of 2020: The impact of COVID-19. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009469	4.8	3
502	Basement membrane degradation and inflammation play a role in the pulmonary hemorrhage induced by a P-III snake venom metalloproteinase. *Toxicon*, **2021**, 197, 12-23	2.8	
501	Snakebite envenoming in different national contexts: Costa Rica, Sri Lanka, and Nigeria. *Toxicon: X*, **2021**, 9-10, 100066	2.6	4

500	Paediatric snakebite envenoming: recognition and management of cases. *Archives of Disease in Childhood*, **2021**, 106, 14-19	2.2	7
499	Convergent evolution of pain-inducing defensive venom components in spitting cobras. *Science*, **2021**, 371, 386-390	33.3	30
498	Expanding the neutralization scope of the Central American antivenom (PoliVal-ICP) to include the venom of Crotalus durissus pifanorum. *Journal of Proteomics*, **2021**, 246, 104315	3.9	1
497	Heterologous Hyperimmune Polyclonal Antibodies Against SARS-CoV-2: A Broad Coverage, Affordable, and Scalable Potential Immunotherapy for COVID-19. *Frontiers in Medicine*, **2021**, 8, 743325	4.9	5
496	Cytotoxicity of snake venom Lys49 PLA2-like myotoxin on rat cardiomyocytes ex vivo does not involve a direct action on the contractile apparatus. *Scientific Reports*, **2021**, 11, 19452	4.9	1
495	Instituto Butantan and Instituto Clodomiro Picado: A long-standing partnership in science, technology, and public health. *Toxicon*, **2021**, 202, 75-81	2.8	1
494	Pan-American Lancehead Pit-Vipers: Coagulotoxic Venom Effects and Antivenom Neutralisation of and Geographical Variants. *Toxins*, **2021**, 13,	4.9	6
493	Varespladib (LY315920) inhibits neuromuscular blockade induced by Oxyuranus scutellatus venom in a nerve-muscle preparation. *Toxicon*, **2020**, 187, 101-104	2.8	9
492	Snakebite envenoming from an Ecohealth perspective. *Toxicon: X*, **2020**, 7, 100043	2.6	8
491	A Lipidomic Perspective of the Action of Group IIA Secreted Phospholipase A on Human Monocytes: Lipid Droplet Biogenesis and Activation of Cytosolic Phospholipase A *Biomolecules*, **2020**, 10,	5.9	6
490	Bothrops Snakebite Envenomings in the Amazon Region. *Current Tropical Medicine Reports*, **2020**, 7, 48-60	3	2
489	Varespladib (LY315920) and Methyl Varespladib (LY333013) Abrogate or Delay Lethality Induced by Presynaptically Acting Neurotoxic Snake Venoms. *Toxins*, **2020**, 12,	4.9	34
488	An interactive database for the investigation of high-density peptide microarray guided interaction patterns and antivenom cross-reactivity. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008366	4.8	4
487	A representative metalloprotease induces PGE synthesis in fibroblast-like synoviocytes via the NF-B/COX-2 pathway with amplification by IL-1and the EP4 receptor. *Scientific Reports*, **2020**, 10, 3269	4.9	10
486	Hemorrhagic and procoagulant P-III snake venom metalloproteinases differ in their binding to the microvasculature of mouse cremaster muscle. *Toxicon*, **2020**, 178, 1-3	2.8	2
485	Circumstances and Consequences of Snakebite Envenomings: A Qualitative Study in South-Eastern Costa Rica. *Toxins*, **2020**, 12,	4.9	8
484	Antibiotic therapy for snakebite envenoming. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, **2020**, 26, e20190098	2.2	8
483	Infectious Complications Following Snakebite by in Martinique: A Case Series. *American Journal of Tropical Medicine and Hygiene*, **2020**, 102, 232-240	3.2	12

482	Snakebite envenoming in French Guiana: Assessment of the preclinical efficacy against the venom of Bothrops atrox of two polyspecific antivenoms. *Toxicon*, **2020**, 173, 1-4	2.8	6
481	12-HETE is a regulator of PGE production via COX-2 expression induced by a snake venom group IIA phospholipase A in isolated peritoneal macrophages. *Chemico-Biological Interactions*, **2020**, 317, 108903	5	6
480	Polymorphonuclear neutrophil leukocytes in snakebite envenoming. *Toxicon*, **2020**, 187, 188-197	2.8	10
479	Paediatric snakebite envenoming: the world's most neglected 'Neglected Tropical Disease'. *Archives of Disease in Childhood*, **2020**, 105, 1135-1139	2.2	6
478	Enzyme immunoassays for detection and quantification of venoms of Sri Lankan snakes: Application in the clinical setting. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008668	4.8	6
477	A pan-specific antiserum produced by a novel immunization strategy shows a high spectrum of neutralization against neurotoxic snake venoms. *Scientific Reports*, **2020**, 10, 11261	4.9	21
476	Epidemiology of snakebites in Colombia (2008-2016). *Revista De Salud Publica*, **2020**, 22, 1-5	0.2	3
475	Analysis of wound exudates reveals differences in the patterns of tissue damage and inflammation induced by the venoms of Daboia russelii and Bothrops asper in mice. *Toxicon*, **2020**, 186, 94-104	2.8	3
474	Epidemiology of snakebites in El Salvador (2014-2019). *Toxicon*, **2020**, 186, 26-28	2.8	2
473	Long-term sequelae secondary to snakebite envenoming: a single centre retrospective study in a Costa Rican paediatric hospital. *BMJ Paediatrics Open*, **2020**, 4, e000735	2.4	3
472	Novel Snakebite Therapeutics Must Be Tested in Appropriate Rescue Models to Robustly Assess Their Preclinical Efficacy. *Toxins*, **2020**, 12,	4.9	7
471	An in vitro α-neurotoxin-nAChR binding assay correlates with lethality and in vivo neutralization of a large number of elapid neurotoxic snake venoms from four continents. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008581	4.8	2
470	Tests for Assessing the Neutralizing Ability of Snake Antivenoms: Toward the 3Rs Principles. *Frontiers in Immunology*, **2020**, 11, 617429	8.4	4
469	Perspectives and recommendations towards evidence-based health care for scorpion sting envenoming in the Brazilian Amazon: A comprehensive review. *Toxicon*, **2019**, 169, 68-80	2.8	9
468	Snakebite envenoming in children: A neglected tropical disease in a Costa Rican pediatric tertiary care center. *Acta Tropica*, **2019**, 200, 105176	3.2	8
467	A multi-sectorial approach for addressing the problem of snakebite envenoming in Honduras. *Toxicon*, **2019**, 159, 61-62	2.8	2
466	Deficient Skeletal Muscle Regeneration after Injury Induced by a Clostridium perfringens Strain Associated with Gas Gangrene. *Infection and Immunity*, **2019**, 87,	3.7	5
465	Proteomic Analysis of Human Blister Fluids Following Envenomation by Three Snake Species in India: Differential Markers for Venom Mechanisms of Action. *Toxins*, **2019**, 11,	4.9	8

464	Nephrotoxicity induced by the venom of Hypnale hypnale from Sri Lanka: Studies on isolated perfused rat kidney and renal tubular cell lines. *Toxicon*, **2019**, 165, 40-46	2.8	0
463	Protease Activity Profiling of Snake Venoms Using High-Throughput Peptide Screening. *Toxins*, **2019**, 11,	4.9	9
462	Coagulotoxic effects by brown snake (Pseudonaja) and taipan (Oxyuranus) venoms, and the efficacy of a new antivenom. *Toxicology in Vitro*, **2019**, 58, 97-109	3.6	23
461	Site mutation of residues in a loop surrounding the active site of a PI snake venom metalloproteinase abrogates its hemorrhagic activity. *Biochemical and Biophysical Research Communications*, **2019**, 512, 859-863	3.4	5
460	Venom from Russia: Venomics, Bioactivities and Preclinical Assessment of Microgen Antivenom. *Toxins*, **2019**, 11,	4.9	19
459	First look into the venom of Roatan Island© critically endangered coral snake Micrurus ruatanus: Proteomic characterization, toxicity, immunorecognition and neutralization by an antivenom. *Journal of Proteomics*, **2019**, 198, 177-185	3.9	8
458	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	3.9	47
457	Case Report: Hemothorax in Envenomation by the Viperid Snake. *American Journal of Tropical Medicine and Hygiene*, **2019**, 100, 714-716	3.2	5
456	Structural basis for phospholipase A-like toxin inhibition by the synthetic compound Varespladib (LY315920). *Scientific Reports*, **2019**, 9, 17203	4.9	30
455	Third-generation antivenomics analysis of the preclinical efficacy of Bothrofav antivenom towards venom. *Toxicon: X*, **2019**, 1, 100004	2.6	0
454	Neutralizing properties of LY315920 toward snake venom group I and II myotoxic phospholipases A. *Toxicon*, **2019**, 157, 1-7	2.8	26
453	Defining the pathogenic threat of envenoming by South African shield-nosed and coral snakes (genus Aspidelaps), and revealing the likely efficacy of available antivenom. *Journal of Proteomics*, **2019**, 198, 186-198	3.9	16
452	Signaling pathways involved in zymosan phagocytosis induced by two secreted phospholipases A isolated from Bothrops asper snake venom in macrophages. *International Journal of Biological Macromolecules*, **2018**, 113, 575-582	7.9	5
451	Preclinical assessment of the neutralizing efficacy of snake antivenoms in Latin America and the Caribbean: A review. *Toxicon*, **2018**, 146, 138-150	2.8	15
450	The paraspecific neutralisation of snake venom induced coagulopathy by antivenoms. *Communications Biology*, **2018**, 1, 34	6.7	59
449	Severe snakebite envenomation in French Guiana: When antivenom is not available. *Toxicon*, **2018**, 146, 87-90	2.8	9
448	Proteomic and toxinological characterization of the venom of the South African Ringhals cobra Hemachatus haemachatus. *Journal of Proteomics*, **2018**, 181, 104-117	3.9	10
447	Preclinical evaluation of the neutralizing ability of a monospecific antivenom for the treatment of envenomings by Bothrops lanceolatus in Martinique. *Toxicon*, **2018**, 148, 50-55	2.8	10

446	Intravascular hemolysis induced by phospholipases A from the venom of the Eastern coral snake, Micrurus fulvius: Functional profiles of hemolytic and non-hemolytic isoforms. *Toxicology Letters*, **2018**, 286, 39-47	4.4	13
445	Unresolved issues in the understanding of the pathogenesis of local tissue damage induced by snake venoms. *Toxicon*, **2018**, 148, 123-131	2.8	25
444	Pros and cons of different therapeutic antibody formats for recombinant antivenom development. *Toxicon*, **2018**, 146, 151-175	2.8	74
443	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	3.9	52
442	A synthetic biology approach for consistent production of plant-made recombinant polyclonal antibodies against snake venom toxins. *Plant Biotechnology Journal*, **2018**, 16, 727-736	11.6	24
441	Current technology for the industrial manufacture of snake antivenoms. *Toxicon*, **2018**, 151, 63-73	2.8	31
440	Light emitting diode (LED) therapy reduces local pathological changes induced by Bothrops asper snake venom. *Toxicon*, **2018**, 152, 95-102	2.8	7
439	Why is Skeletal Muscle Regeneration Impaired after Myonecrosis Induced by Viperid Snake Venoms?. *Toxins*, **2018**, 10,	4.9	25
438	A Snake Venom-Secreted Phospholipase A Induces Foam Cell Formation Depending on the Activation of Factors Involved in Lipid Homeostasis. *Mediators of Inflammation*, **2018**, 2018, 2547918	4.3	3
437	Snakebite envenomation in the Caribbean: The role of medical and scientific cooperation. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006441	4.8	2
436	Snakebite Envenoming in Latin America and the Caribbean. *Toxinology*, **2018**, 51-72	0	2
435	A novel pentameric phospholipase A myotoxin (PophPLA) from the venom of the pit viper Porthidium ophryomegas. *International Journal of Biological Macromolecules*, **2018**, 118, 1-8	7.9	7
434	Global Availability of Antivenoms: The Relevance of Public Manufacturing Laboratories. *Toxins*, **2018**, 11,	4.9	29
433	Innovative Immunization Strategies for Antivenom Development. *Toxins*, **2018**, 10,	4.9	33
432	Delayed LY333013 (Oral) and LY315920 (Intravenous) Reverse Severe Neurotoxicity and Rescue Juvenile Pigs from Lethal Doses of (Eastern Coral Snake) Venom. *Toxins*, **2018**, 10,	4.9	39
431	Delayed Oral LY333013 Rescues Mice from Highly Neurotoxic, Lethal Doses of Papuan Taipan (Oxyuranus scutellatus) Venom. *Toxins*, **2018**, 10,	4.9	33
430	Improving the control of snakebite envenomation in Latin America and the Caribbean: a discussion on pending issues. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2018**, 112, 523-526	2	6
429	Analgesic effect of morphine and tramadol in standard toxicity assays in mice injected with venom of the snake Bothrops asper. *Toxicon*, **2018**, 154, 35-41	2.8	12

428	In vivo neutralization of dendrotoxin-mediated neurotoxicity of black mamba venom by oligoclonal human IgG antibodies. *Nature Communications*, **2018**, 9, 3928	17.4	44
427	Engineered nanoparticles bind elapid snake venom toxins and inhibit venom-induced dermonecrosis. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006736	4.8	21
426	Systemic vascular leakage induced in mice by Russell© viper venom from Pakistan. *Scientific Reports* , **2018**, 8, 16088	4.9	7
425	Metalloproteinases in disease: identification of biomarkers of tissue damage through proteomics. *Expert Review of Proteomics*, **2018**, 15, 967-982	4.2	10
424	Oral Microbiota of the Snake in Martinique. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	9
423	Comparison of the adjuvant activity of emulsions with different physicochemical properties on the antibody response towards the venom of West African carpet viper (Echis ocellatus). *Toxicon*, **2017**, 127, 106-111	2.8	4
422	Discovery of small molecule inhibitors for the snake venom metalloprotease BaP1 using in silico and in vitro tests. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 2018-2022	2.9	5
421	Proteomic, toxicological and immunogenic characterization of Mexican west-coast rattlesnake (Crotalus basiliscus) venom and its immunological relatedness with the venom of Central American rattlesnake (Crotalus simus). *Journal of Proteomics*, **2017**, 158, 62-72	3.9	25
420	Geographical variability of the venoms of four populations of Bothrops asper from Panama: Toxicological analysis and neutralization by a polyvalent antivenom. *Toxicon*, **2017**, 132, 55-61	2.8	14
419	Peptidomimetic hydroxamate metalloproteinase inhibitors abrogate local and systemic toxicity induced by Echis ocellatus (saw-scaled) snake venom. *Toxicon*, **2017**, 132, 40-49	2.8	41
418	Freeze-dried EchiTAb+ICP antivenom formulated with sucrose is more resistant to thermal stress than the liquid formulation stabilized with sorbitol. *Toxicon*, **2017**, 133, 123-126	2.8	6
417	Effect of premedication with subcutaneous adrenaline on the pharmacokinetics and immunogenicity of equine whole IgG antivenom in a rabbit model. *Biomedicine and Pharmacotherapy*, **2017**, 90, 740-743	7.5	2
416	Articular inflammation induced by an enzymatically-inactive Lys49 phospholipase A: activation of endogenous phospholipases contributes to the pronociceptive effect. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, **2017**, 23, 18	2.2	6
415	Steps to overcome the North-South divide in research relevant to climate change policy and practice. *Nature Climate Change*, **2017**, 7, 21-27	21.4	46
414	Physicochemical characterization of commercial freeze-dried snake antivenoms. *Toxicon*, **2017**, 126, 32-37	2.8	13
413	An improved technique for the assessment of venom-induced haemorrhage in a murine model. *Toxicon*, **2017**, 139, 87-93	2.8	7
412	Cross-reactivity, antivenomics, and neutralization of toxic activities of Lachesis venoms by polyspecific and monospecific antivenoms. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005793	4.8	19
411	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	4.4	57

410	Snakebite envenoming. *Nature Reviews Disease Primers*, **2017**, 3, 17063	51.1	362
409	Cross-reactivity and cross-immunomodulation between venoms of the snakes Bothrops asper, Crotalus simus and Lachesis stenophrys, and its effect in the production of polyspecific antivenom for Central America. *Toxicon*, **2017**, 138, 43-48	2.8	8
408	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
407	Proteomics and antivenomics of Papuan black snake (Pseudechis papuanus) venom with analysis of its toxicological profile and the preclinical efficacy of Australian antivenoms. *Journal of Proteomics*, **2017**, 150, 201-215	3.9	17
406	Venoms **2017**, 99-128		2
405	Preclinical Evaluation of the Efficacy of Antivenoms for Snakebite Envenoming: State-of-the-Art and Challenges Ahead. *Toxins*, **2017**, 9,	4.9	70
404	Clinical Toxicology of Snakebite in Central America **2017**, 645-665		5
403	Cross-recognition of a pit viper (Crotalinae) polyspecific antivenom explored through high-density peptide microarray epitope mapping. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005768	4.8	14
402	Preclinical efficacy against toxic activities of medically relevant Bothrops sp. (Serpentes: Viperidae) snake venoms by a polyspecific antivenom produced in Mexico. *Revista De Biologia Tropical*, **2017**, 65, 345-50	1.3	2
401	Exploration of immunoglobulin transcriptomes from mice immunized with three-finger toxins and phospholipases A from the Central American coral snake,. *PeerJ*, **2017**, 5, e2924	3.1	25
400	South and Central American Snakes **2017**, 2527-2548		2
399	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	3.9	86
398	Venoms of Micrurus coral snakes: Evolutionary trends in compositional patterns emerging from proteomic analyses. *Toxicon*, **2016**, 122, 7-25	2.8	62
397	Biochemical and biological characterization of Bothriechis schlegelii snake venoms from Colombia and Costa Rica. *Experimental Biology and Medicine*, **2016**, 241, 2075-2085	3.7	10
396	High-throughput immuno-profiling of mamba (Dendroaspis) venom toxin epitopes using high-density peptide microarrays. *Scientific Reports*, **2016**, 6, 36629	4.9	26
395	Inequality: span the global divide. *Nature*, **2016**, 539, 31	50.4	
394	Lemnitoxin, the major component of Micrurus lemniscatus coral snake venom, is a myotoxic and pro-inflammatory phospholipase A2. *Toxicology Letters*, **2016**, 257, 60-71	4.4	23
393	Characterization of a novel snake venom component: Kazal-type inhibitor-like protein from the arboreal pitviper Bothriechis schlegelii. *Biochimie*, **2016**, 125, 83-90	4.6	11

392	Industrial Production and Quality Control of Snake Antivenoms **2016**, 425-450		3
391	Toxicovenomics and antivenom profiling of the Eastern green mamba snake (Dendroaspis angusticeps). *Journal of Proteomics*, **2016**, 136, 248-61	3.9	55
390	Neutralization of the neuromuscular inhibition of venom and taipoxin from the taipan (Oxyuranus scutellatus) by F(ab')2 and whole IgG antivenoms. *Toxicology Letters*, **2016**, 241, 175-83	4.4	16
389	Understanding and confronting snakebite envenoming: The harvest of cooperation. *Toxicon*, **2016**, 109, 51-62	2.8	21
388	Muscle Tissue Damage Induced by the Venom of Bothrops asper: Identification of Early and Late Pathological Events through Proteomic Analysis. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0004599	4.8	29
387	Effects of PI and PIII Snake Venom Haemorrhagic Metalloproteinases on the Microvasculature: A Confocal Microscopy Study on the Mouse Cremaster Muscle. *PLoS ONE*, **2016**, 11, e0168643	3.7	9
386	THE NEED FOR AN INTEGRATED APPROACH IN CONFRONTING SNAKEBITE ENVENOMING IN LATIN AMERICA: THE RELEVANCE OF ENDOGENOUS SCIENTIFIC AND TECHNOLOGICAL RESEARCH. *Vitae*, **2016**, 23, 103-105	0.3	2
385	From Fangs to Pharmacology: The Future of Snakebite Envenoming Therapy. *Current Pharmaceutical Design*, **2016**, 22, 5270-5293	3.3	74
384	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,	4.9	46
383	Hemorrhage Caused by Snake Venom Metalloproteinases: A Journey of Discovery and Understanding. *Toxins*, **2016**, 8, 93	4.9	95
382	Venom of the Coral Snake Micrurus clarki: Proteomic Profile, Toxicity, Immunological Cross-Neutralization, and Characterization of a Three-Finger Toxin. *Toxins*, **2016**, 8,	4.9	26
381	Novel Catalytically-Inactive PII Metalloproteinases from a Viperid Snake Venom with Substitutions in the Canonical Zinc-Binding Motif. *Toxins*, **2016**, 8,	4.9	5
380	Viperid Envenomation Wound Exudate Contributes to Increased Vascular Permeability via a DAMPs/TLR-4 Mediated Pathway. *Toxins*, **2016**, 8,	4.9	29
379	Pathogenesis of dermonecrosis induced by venom of the spitting cobra, Naja nigricollis: An experimental study in mice. *Toxicon*, **2016**, 119, 171-9	2.8	36
378	Development of a chicken-derived antivenom against the taipan snake (Oxyuranus scutellatus) venom and comparison with an equine antivenom. *Toxicon*, **2016**, 120, 1-8	2.8	15
377	Preclinical evaluation of three polyspecific antivenoms against the venom of Echis ocellatus: Neutralization of toxic activities and antivenomics. *Toxicon*, **2016**, 119, 280-8	2.8	24
376	Development of a new polyspecific antivenom for snakebite envenoming in Sri Lanka: Analysis of its preclinical efficacy as compared to a currently available antivenom. *Toxicon*, **2016**, 122, 152-159	2.8	25
375	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

374	Extracts of Renealmia alpinia (Rottb.) MAAS Protect against Lethality and Systemic Hemorrhage Induced by Bothrops asper Venom: Insights from a Model with Extract Administration before Venom Injection. *Toxins*, **2015**, 7, 1532-43	4.9	6
373	Lachesis stenophrys venom reduces the equine antibody response towards Bothrops asper venom used as co-immunogen in the production of polyspecific snake antivenom. *Toxicon*, **2015**, 103, 99-105	2.8	12
372	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
371	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	4.8	64
370	Snake venomics of monocled cobra (Naja kaouthia) and investigation of human IgG response against venom toxins. *Toxicon*, **2015**, 99, 23-35	2.8	47
369	Snakebites are associated with poverty, weather fluctuations, and El Niño. *Science Advances*, **2015**, 1, e1500249	14.3	51
368	Evaluation of the preclinical efficacy of four antivenoms, distributed in sub-Saharan Africa, to neutralize the venom of the carpet viper, Echis ocellatus, from Mali, Cameroon, and Nigeria. *Toxicon* , **2015**, 106, 97-107	2.8	21
367	Phospholipase A(2) enhances the endothelial cell detachment effect of a snake venom metalloproteinase in the absence of catalysis. *Chemico-Biological Interactions*, **2015**, 240, 30-6	5	25
366	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
365	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
364	Effect of geographical variation of Echis ocellatus, Naja nigricollis and Bitis arietans venoms on their neutralization by homologous and heterologous antivenoms. *Toxicon*, **2015**, 108, 80-3	2.8	7
363	Purification of equine whole IgG snake antivenom by using an aqueous two phase system as a primary purification step. *Biologicals*, **2015**, 43, 37-46	1.8	7
362	Venomics and antivenomics of Bothrops erythromelas from five geographic populations within the Caatinga ecoregion of northeastern Brazil. *Journal of Proteomics*, **2015**, 114, 93-114	3.9	37
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