

CITATION REPORT

List of articles citing

The toxicogenomic multiverse: convergent recruitment of proteins into animal venoms

DOI: 10.1146/annurev.genom.9.081307.164356
Annual Review of Genomics and Human Genetics,
2009, 10, 483-511.

Source: <https://exaly.com/paper-pdf/46578544/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
638	Biologically active compounds from coelenterates. 1982 , 54, 1981-1994		63
637	Toxins and venoms. 2009 , 19, R931-5		46
636	Tentacles of venom: toxic protein convergence in the Kingdom Animalia. 2009 , 68, 311-21		54
635	Causes and evolutionary significance of genetic convergence. 2010 , 26, 400-5		132
634	The venom composition of the parasitic wasp <i>Chelonus inanitus</i> resolved by combined expressed sequence tags analysis and proteomic approach. 2010 , 11, 693		80
633	Identical skin toxins by convergent molecular adaptation in frogs. 2010 , 20, 125-30		40
632	Convergent evolution: pick your poison carefully. 2010 , 20, R152-4		13
631	Drosotoxin, a selective inhibitor of tetrodotoxin-resistant sodium channels. 2010 , 80, 1296-302		18
630	Molecular diversity of toxic components from the scorpion <i>Heterometrus petersii</i> venom revealed by proteomic and transcriptome analysis. 2010 , 10, 2471-85		75
629	Functional and structural diversification of the Anguimorpha lizard venom system. 2010 , 9, 2369-90		58
628	Potassium channel modulation by a toxin domain in matrix metalloprotease 23. 2010 , 285, 9124-36		56
627	Structure and mechanism in salivary proteins from blood-feeding arthropods. 2010 , 56, 1120-9		44
626	Platelet aggregation inhibitors from hematophagous animals. 2010 , 56, 1130-44		90
625	Identification and characterization of venom proteins of two solitary wasps, <i>Eumenes pomiformis</i> and <i>Orancistrocerus drewseni</i> . 2010 , 56, 554-62		28
624	Lysophospholipids are evolutionary ancient venom components. 2010 , 56, 1525-7		1
623	Ekonotoxin KIIIA derivatives with divergent affinities versus efficacies in blocking voltage-gated sodium channels. 2010 , 49, 4804-12		27
622	An insight into the sialome of blood-feeding Nematocera. 2010 , 40, 767-84		127

621	Snake Venomics, Antivenomics, and Venom Phenotyping: The MEdge \square Trois of Proteomic Tools Aimed at Understanding the Biodiversity of Venoms. 2010 , 45-72	9
620	Mining on scorpion venom biodiversity. 2010 , 56, 1155-61	139
619	Novel venom gene discovery in the platypus. 2010 , 11, R95	45
618	Specialisation of the venom gland proteome in predatory cone snails reveals functional diversification of the conotoxin biosynthetic pathway. 2011 , 10, 3904-19	37
617	Venom Composition and Strategies in Spiders: Is Everything Possible?. 2011 , 40, 1-86	98
616	A novel natriuretic peptide from the cobra venom. 2011 , 57, 134-40	15
615	Cloning and sequence analysis of an Ophiophagus hannah cDNA encoding a precursor of two natriuretic peptide domains. 2011 , 57, 811-6	4
614	Intraspecific variation in the venom of the vermivorous cone snail <i>Conus vexillum</i> . 2011 , 154, 318-25	28
613	<i>Conus magus</i> vs. Irukandji syndrome: a computational approach of a possible new therapy. 2011 , 86, 195-202	3
612	A heteromeric Texas coral snake toxin targets acid-sensing ion channels to produce pain. 2011 , 479, 410-4	242
611	Chemometric analysis of Hymenoptera toxins and defensins: A model for predicting the biological activity of novel peptides from venoms and hemolymph. 2011 , 32, 1924-33	8
610	Venoms as a platform for human drugs: translating toxins into therapeutics. 2011 , 11, 1469-84	366
609	Proteomic tools against the neglected pathology of snake bite envenoming. 2011 , 8, 739-58	141
608	Isolation and Characterization of a Natriuretic Peptide from <i>Crotalus oreganus abyssus</i> (Grand Canyon Rattlesnake) and its Effects on Systemic Blood Pressure and Nitrite Levels. 2011 , 17, 165-173	9
607	Venomics: a new paradigm for natural products-based drug discovery. 2011 , 40, 15-28	152
606	Profiling the venom gland transcriptomes of Costa Rican snakes by 454 pyrosequencing. 2011 , 12, 259	84
605	Niedermolekulare Verbindungen aus Spinnen als chemische Sensoren. 2011 , 123, 11492-11508	2
604	Small molecules from spiders used as chemical probes. 2011 , 50, 11296-311	16

603	Ending the drought: new strategies for improving the flow of affordable, effective antivenoms in Asia and Africa. 2011 , 74, 1735-67		161
602	Embryonic toxin expression in the cone snail <i>Conus victoriae</i> : primed to kill or divergent function?. 2011 , 286, 22546-57		26
601	SdPI, the first functionally characterized Kunitz-type trypsin inhibitor from scorpion venom. 2011 , 6, e27548		46
600	Unique scorpion toxin with a putative ancestral fold provides insight into evolution of the inhibitor cystine knot motif. 2011 , 108, 10478-83		82
599	A limited role for gene duplications in the evolution of platypus venom. <i>Molecular Biology and Evolution</i> , 2012 , 29, 167-77	8.3	30
598	Disintegrins from hematophagous sources. <i>Toxins</i> , 2012 , 4, 296-322	4.9	30
597	Proteomics and deep sequencing comparison of seasonally active venom glands in the platypus reveals novel venom peptides and distinct expression profiles. 2012 , 11, 1354-64		35
596	An Insight into the Sialomes of Bloodsucking Heteroptera. 2012 , 2012, 1-16		12
595	Optimizing cholinergic tone through lynx modulators of nicotinic receptors: implications for plasticity and nicotine addiction. 2012 , 27, 187-99		39
594	Conservation of group XII phospholipase A2 from bacteria to human. 2012 , 7, 340-50		4
593	A new multigene superfamily of Kunitz-type protease inhibitors from sea anemone <i>Heteractis crispa</i> . 2012 , 34, 88-97		27
592	Characterization of BmKbpp, a multifunctional peptide from the Chinese scorpion <i>Mesobuthus martensii</i> Karsch: gaining insight into a new mechanism for the functional diversification of scorpion venom peptides. 2012 , 33, 44-51		46
591	Replies to Fry et al. (Toxicon 2012, 60/4, 434-448). Part B. Properties and biological roles of squamate oral products: The "venomous lifestyle" and preadaptation. 2012 , 60, 964-6		17
590	Chemical punch packed in venoms makes centipedes excellent predators. 2012 , 11, 640-50		89
589	Resurrexit, sicut dixit, alleluia. Snake venomics from a 26-year old polyacrylamide focusing gel. 2012 , 75, 1074-8		6
588	Snake venomics of two poorly known Hydrophiinae: Comparative proteomics of the venoms of terrestrial <i>Toxicocalamus longissimus</i> and marine <i>Hydrophis cyanocinctus</i> . 2012 , 75, 4091-101		51
587	Venom evolution through gene duplications. 2012 , 496, 1-7		73
586	The mammary gland-specific marsupial ELP and eutherian CTI share a common ancestral gene. 2012 , 12, 80		11

585	Juruin: an antifungal peptide from the venom of the Amazonian Pink Toe spider, <i>Avicularia juruensis</i> , which contains the inhibitory cystine knot motif. 2012 , 3, 324	23
584	Looking over toxin-K(+) channel interactions. Clues from the structural and functional characterization of K^{Tx} toxin Tc32, a Kv1.3 channel blocker. 2012 , 51, 1885-94	11
583	Pharmacologically Active Compounds from Ticks and Other Arthropods and Their Potential Use in Anticancer Therapy. 2012 , 163-182	2
582	Vascular effects and electrolyte homeostasis of the natriuretic peptide isolated from <i>Crotalus oreganus abyssus</i> (North American Grand Canyon rattlesnake) venom. 2012 , 36, 206-12	14
581	Spider-venom peptides as bioinsecticides. <i>Toxins</i> , 2012 , 4, 191-227	4-9 137
580	Enhancement in motor learning through genetic manipulation of the <i>Lynx1</i> gene. 2012 , 7, e43302	28
579	An insight into the sialotranscriptome of the cat flea, <i>Ctenocephalides felis</i> . 2012 , 7, e44612	20
578	What Hydra can teach us about chemical ecology -how a simple, soft organism survives in a hostile aqueous environment. 2012 , 56, 605-11	9
577	Triplatin, a platelet aggregation inhibitor from the salivary gland of the triatomine vector of Chagas disease, binds to TXA(2) but does not interact with glycoprotein PVI. 2012 , 107, 111-23	19
576	Hg1, novel peptide inhibitor specific for Kv1.3 channels from first scorpion Kunitz-type potassium channel toxin family. 2012 , 287, 13813-21	99
575	Allergic host defences. 2012 , 484, 465-72	270
574	Conus venom peptide pharmacology. 2012 , 64, 259-98	314
573	New tricks of an old pattern: structural versatility of scorpion toxins with common cysteine spacing. 2012 , 287, 12321-30	42
572	Proteome of Hydra nematocyst. 2012 , 287, 9672-9681	73
571	Extreme diversity of scorpion venom peptides and proteins revealed by transcriptomic analysis: implication for proteome evolution of scorpion venom arsenal. 2012 , 75, 1563-76	87
570	High-resolution picture of a venom gland transcriptome: case study with the marine snail <i>Conus consors</i> . 2012 , 59, 34-46	73
569	Venomous mammals: a review. 2012 , 59, 680-95	45
568	The structural and functional diversification of the <i>Toxicofera</i> reptile venom system. 2012 , 60, 434-48	111

567	Novel transcripts in the maxillary venom glands of advanced snakes. 2012 , 59, 696-708		48
566	Receptor-targeting mechanisms of pain-causing toxins: How ow?. 2012 , 60, 254-64		51
565	Origin and convergent evolution of exendin genes. 2012 , 175, 27-33		15
564	Response to Jackson et al. (2012). 2013 , 64, 116-27		4
563	Response to "Replies to Fry et al. (Toxicon 2012, 60/4, 434-448). Part B. Analyses of squamate reptile oral glands and their products: A call for caution in formal assignment of terminology designating biological function". 2013 , 64, 113-5		2
562	Transcriptome analysis of venom glands from a single fishing spider <i>Dolomedes mizhoanus</i> . 2013 , 73, 23-32		22
561	Integrated "omics" profiling indicates that miRNAs are modulators of the ontogenetic venom composition shift in the Central American rattlesnake, <i>Crotalus simus simus</i> . 2013 , 14, 234		137
560	Molecular and bioinformatical characterization of a novel superfamily of cysteine-rich peptides from arthropods. 2013 , 41, 45-58		9
559	Identification of novel phospholipase A2 group IX members in metazoans. 2013 , 95, 1534-43		8
558	Molecular evolution of Batrotoxin, the exceptionally potent vertebrate neurotoxin in black widow spider venom. <i>Molecular Biology and Evolution</i> , 2013 , 30, 999-1014	8,3	69
557	Bee venom phospholipase A2 induces a primary type 2 response that is dependent on the receptor ST2 and confers protective immunity. 2013 , 39, 976-85		141
556	Are there unequivocal criteria to label a given protein as a toxin? Permissive versus conservative annotation processes. 2013 , 14, 406		6
555	Biochemical and electrophysiological characterization of two sea anemone type 1 potassium toxins from a geographically distant population of <i>Bunodosoma caissarum</i> . <i>Marine Drugs</i> , 2013 , 11, 655-79	6	22
554	Isolation, homology modeling and renal effects of a C-type natriuretic peptide from the venom of the Brazilian yellow scorpion (<i>Tityus serrulatus</i>). 2013 , 74, 19-26		10
553	Complex cocktails: the evolutionary novelty of venoms. 2013 , 28, 219-29		584
552	Response to "Replies to Fry et al. (Toxicon 2012, 60/4, 434-448). Part A. Analyses of squamate reptile oral glands and their products: A call for caution in formal assignment of terminology designating biological function". 2013 , 64, 106-12		7
551	The "Vampirome": Transcriptome and proteome analysis of the principal and accessory submaxillary glands of the vampire bat <i>Desmodus rotundus</i> , a vector of human rabies. 2013 , 82, 288-319		35
550	High molecular weight components of the injected venom of fish-hunting cone snails target the vascular system. 2013 , 91, 97-105		12

549	Functional characterization on invertebrate and vertebrate tissues of tachykinin peptides from octopus venoms. 2013 , 47, 71-6	14
548	Top-down sequencing of <i>Apis dorsata</i> apamin by MALDI-TOF MS and evidence of its inactivity against microorganisms. 2013 , 71, 105-12	8
547	Evolution of the tissue factor pathway inhibitor-like Kunitz domain-containing protein family in <i>Rhipicephalus microplus</i> . 2013 , 43, 81-94	15
546	Role of the inflammasome in defense against venoms. 2013 , 110, 1809-14	38
545	Non-front-fanged colubroid snakes: a current evidence-based analysis of medical significance. 2013 , 69, 103-13	49
544	Spider-venom peptides: structure, pharmacology, and potential for control of insect pests. 2013 , 58, 475-96	267
543	The Evolution of a Toxic Enzyme in Sicariid Spiders. 2013 , 229-240	2
542	The venom optimization hypothesis revisited. 2013 , 63, 120-8	115
541	Snake venomics: from the inventory of toxins to biology. 2013 , 75, 44-62	146
540	Fusion expression and purification of four disulfide-rich peptides reveals enterokinase secondary cleavage sites in animal toxins. 2013 , 39, 145-51	11
539	The insecticidal potential of venom peptides. 2013 , 70, 3665-93	77
538	Dracula's children: molecular evolution of vampire bat venom. 2013 , 89, 95-111	50
537	Cloning and characterization of a novel Kunitz-type inhibitor from scorpion with unique cysteine framework. 2013 , 72, 5-10	15
536	Variability of venom components in immune suppressive parasitoid wasps: from a phylogenetic to a population approach. 2013 , 59, 205-12	38
535	Evolution of venom across extant and extinct eulipotyphlans. 2013 , 12, 531-542	17
534	Analysis of soluble protein contents from the nematocysts of a model sea anemone sheds light on venom evolution. 2013 , 15, 329-39	73
533	Three-fingered RAVERS: Rapid Accumulation of Variations in Exposed Residues of snake venom toxins. <i>Toxins</i> , 2013 , 5, 2172-208	4-9 85
532	Short toxin-like proteins attack the defense line of innate immunity. <i>Toxins</i> , 2013 , 5, 1314-31	4-9 12

531	Atractaspis aterrima toxins: the first insight into the molecular evolution of venom in side-stabbers. <i>Toxins</i> , 2013 , 5, 1948-64	4.9	15
530	Venom down under: dynamic evolution of Australian elapid snake toxins. <i>Toxins</i> , 2013 , 5, 2621-55	4.9	48
529	Squeezers and leaf-cutters: differential diversification and degeneration of the venom system in toxiciferan reptiles. 2013 , 12, 1881-99		39
528	Multiple actions of phi-LITX-Lw1a on ryanodine receptors reveal a functional link between scorpion DDH and ICK toxins. 2013 , 110, 8906-11		31
527	Scorpion Peptides. 2013 , 423-429		14
526	How the venom from the ectoparasitoid Wasp nasonia vitripennis exhibits anti-inflammatory properties on mammalian cell lines. 2014 , 9, e96825		23
525	Defensins: antifungal lessons from eukaryotes. 2014 , 5, 97		68
524	Conotoxins targeting nicotinic acetylcholine receptors: an overview. <i>Marine Drugs</i> , 2014 , 12, 2970-3004	6	112
523	Fixierung cyclischer Peptide: Mimetika von Proteinstrukturmotiven. 2014 , 126, 13234-13257		67
522	Nemertean toxin genes revealed through transcriptome sequencing. 2014 , 6, 3314-25		14
521	Next-generation snake venomomics: protein-locus resolution through venom proteome decomplexation. 2014 , 11, 315-29		87
520	Holocyclotoxin-1, a cystine knot toxin from Ixodes holocyclus. 2014 , 90, 308-17		20
519	Toxicity of scorpion venom in chick embryo and mealworm assay depending on the use of the soluble fraction versus the whole venom. 2014 , 88, 38-43		5
518	Quo vadis venomomics? A roadmap to neglected venomous invertebrates. <i>Toxins</i> , 2014 , 6, 3488-551	4.9	64
517	The future of venoms-based drug discovery: an interview with Glenn King. 2014 , 6, 1613-5		5
516	Spider venomomics: implications for drug discovery. 2014 , 6, 1699-714		68
515	VTBuilder: a tool for the assembly of multi isoform transcriptomes. 2014 , 15, 389		24
514	Transcriptomics and venomomics: implications for medicinal chemistry. 2014 , 6, 1629-43		8

513	Parallel evolution of tetrodotoxin resistance in three voltage-gated sodium channel genes in the garter snake <i>Thamnophis sirtalis</i> . <i>Molecular Biology and Evolution</i> , 2014 , 31, 2836-46	8.3	42
512	Tracing monotreme venom evolution in the genomics era. <i>Toxins</i> , 2014 , 6, 1260-73	4.9	9
511	Poisons, toxins, and venoms: redefining and classifying toxic biological secretions and the organisms that employ them. <i>Biological Reviews</i> , 2014 , 89, 450-65	13.5	57
510	Poke but don't pinch: risk assessment and venom metering in the western black widow spider, <i>Latrodectus hesperus</i> . 2014 , 89, 107-114		26
509	Polypharmacology profiles and phylogenetic analysis of three-finger toxins from mamba venom: case of aminergic toxins. 2014 , 103, 109-17		19
508	Unusual binding mode of scorpion toxin BmKTX onto potassium channels relies on its distribution of acidic residues. 2014 , 447, 70-6		31
507	Understanding the evolutionary structural variability and target specificity of tick salivary Kunitz peptides using next generation transcriptome data. 2014 , 14, 4		24
506	Spider genomes provide insight into composition and evolution of venom and silk. 2014 , 5, 3765		169
505	Recruitment and diversification of an ecdysozoan family of neuropeptide hormones for black widow spider venom expression. 2014 , 536, 366-75		23
504	Experimental conversion of a defensin into a neurotoxin: implications for origin of toxic function. <i>Molecular Biology and Evolution</i> , 2014 , 31, 546-59	8.3	52
503	Insights into function and evolution of parasitoid wasp venoms. 2014 , 6, 52-60		54
502	Venom regeneration in the centipede <i>Scolopendra polymorpha</i> : evidence for asynchronous venom component synthesis. 2014 , 117, 398-414		8
501	Maturity-related changes in venom toxicity of the freshwater stingray <i>Potamotrygon leopoldi</i> . 2014 , 92, 97-101		5
500	Restriction and recruitment-gene duplication and the origin and evolution of snake venom toxins. 2014 , 6, 2088-95		99
499	Discovery of a new subclass of β -toxins in the venom of <i>Conus australis</i> . 2014 , 91, 145-54		20
498	Cancer research meets tick vectors for infectious diseases. 2014 , 14, 916-7		15
497	A Polychaete's powerful punch: venom gland transcriptomics of <i>Glycera</i> reveals a complex cocktail of toxin homologs. 2014 , 6, 2406-23		50
496	Clawing through evolution: toxin diversification and convergence in the ancient lineage Chilopoda (centipedes). <i>Molecular Biology and Evolution</i> , 2014 , 31, 2124-48	8.3	69

495	Evolution of separate predation- and defence-evoked venoms in carnivorous cone snails. 2014 , 5, 3521	203
494	BF9, the first functionally characterized snake toxin peptide with Kunitz-type protease and potassium channel inhibiting properties. 2014 , 28, 76-83	29
493	Molecular cloning of a hyaluronidase from Bothrops pauloensis venom gland. 2014 , 20, 25	10
492	Constraining cyclic peptides to mimic protein structure motifs. 2014 , 53, 13020-41	277
491	Modulation of TRP ion channels by venomous toxins. 2014 , 223, 1119-42	5
490	A ray of venom: Combined proteomic and transcriptomic investigation of fish venom composition using barb tissue from the blue-spotted stingray (<i>Neotrygon kuhlii</i>). 2014 , 109, 188-98	22
489	A distinct sodium channel voltage-sensor locus determines insect selectivity of the spider toxin Dc1a. 2014 , 5, 4350	51
488	Diversification of a single ancestral gene into a successful toxin superfamily in highly venomous Australian funnel-web spiders. 2014 , 15, 177	39
487	Dramatic expansion of the black widow toxin arsenal uncovered by multi-tissue transcriptomics and venom proteomics. 2014 , 15, 366	58
486	The first venomous crustacean revealed by transcriptomics and functional morphology: remipede venom glands express a unique toxin cocktail dominated by enzymes and a neurotoxin. <i>Molecular Biology and Evolution</i> , 2014 , 31, 48-58	8,3 70
485	Hydra actinoporin-like toxin-1, an unusual hemolysin from the nematocyst venom of <i>Hydra magnipapillata</i> which belongs to an extended gene family. 2014 , 91, 103-13	22
484	Variation in venom yield and protein concentration of the centipedes <i>Scolopendra polymorpha</i> and <i>Scolopendra subspinipes</i> . 2014 , 82, 30-51	8
483	Venom toxicity and composition in three <i>Pseudomyrmex</i> ant species having different nesting modes. 2014 , 88, 67-76	16
482	Dual role of the cuttlefish salivary proteome in defense and predation. 2014 , 108, 209-22	32
481	Extraction of venom and venom gland microdissections from spiders for proteomic and transcriptomic analyses. 2014 , e51618	17
480	Are ticks venomous animals?. 2014 , 11, 47	52
479	Biological Toxins. 2014 , 175-180	
478	Venomous poisonous animals and toxins. 2015 , 279-283	

477	A single conserved basic residue in the potassium channel filter region controls KCNQ1 insensitivity toward scorpion toxins. 2015 , 3, 62-67		0
476	The Utility of Genome Skimming for Phylogenomic Analyses as Demonstrated for Glycerid Relationships (Annelida, Glyceridae). 2015 , 7, 3443-62		41
475	Gene duplications are extensive and contribute significantly to the toxic proteome of nematocysts isolated from <i>Acropora digitifera</i> (Cnidaria: Anthozoa: Scleractinia). 2015 , 16, 774		32
474	Transcriptome and proteome of <i>Conus planorbis</i> identify the nicotinic receptors as primary target for the defensive venom. 2015 , 15, 4030-40		20
473	Scorpion Toxin, BmP01, Induces Pain by Targeting TRPV1 Channel. <i>Toxins</i> , 2015 , 7, 3671-87	4-9	37
472	Exploring the Potential of Venom from <i>Nasonia vitripennis</i> as Therapeutic Agent with High-Throughput Screening Tools. <i>Toxins</i> , 2015 , 7, 2051-70	4-9	7
471	Venom Proteins from Parasitoid Wasps and Their Biological Functions. <i>Toxins</i> , 2015 , 7, 2385-412	4-9	112
470	Cabinet of Curiosities: Venom Systems and Their Ecological Function in Mammals, with a Focus on Primates. <i>Toxins</i> , 2015 , 7, 2639-58	4-9	57
469	Centipede venoms and their components: resources for potential therapeutic applications. <i>Toxins</i> , 2015 , 7, 4832-51	4-9	33
468	Honeybee venom proteome profile of queens and winter bees as determined by a mass spectrometric approach. <i>Toxins</i> , 2015 , 7, 4468-83	4-9	44
467	Secretory Gene Recruitments in Vampire Bat Salivary Adaptation and Potential Convergences With Sanguivorous Leeches. 2015 , 3,		8
466	Weaponization of a Hormone: Convergent Recruitment of Hyperglycemic Hormone into the Venom of Arthropod Predators. 2015 , 23, 1283-92		47
465	Spider, bacterial and fungal phospholipase D toxins make cyclic phosphate products. 2015 , 108, 176-80		12
464	The Physiology and Genomics of Social Transitions in Aphids. 2015 , 48, 163-188		7
463	Characterization of the gila monster (<i>Heloderma suspectum suspectum</i>) venom proteome. 2015 , 117, 1-11		20
462	CHAPTER 2:The Structural Universe of Disulfide-Rich Venom Peptides. 2015 , 37-79		10
461	Chapter 8:Therapeutic Applications of Spider-Venom Peptides. 2015 , 221-244		7
460	Combinations of long peptide sequence blocks can be used to describe toxin diversification in venomous animals. 2015 , 95, 84-92		6

459	The Genome 10K Project: a way forward. 2015 , 3, 57-111		223
458	Centipede venom: recent discoveries and current state of knowledge. <i>Toxins</i> , 2015 , 7, 679-704	4.9	66
457	Venomous Frogs Use Heads as Weapons. 2015 , 25, 2166-70		41
456	Testing the 'toxin hypothesis of allergy': mast cells, IgE, and innate and acquired immune responses to venoms. 2015 , 36, 80-7		25
455	SjAPI-2 is the first member of a new neurotoxin family with Ascaris-type fold and KCNQ1 inhibitory activity. 2015 , 79, 504-10		11
454	Snake venoms: A brief treatise on etymology, origins of terminology, and definitions. 2015 , 103, 188-95		12
453	Molecular Diversity and Gene Evolution of the Venom Arsenal of Terebridae Predatory Marine Snails. 2015 , 7, 1761-78		27
452	Ancient Venom Systems: A Review on Cnidaria Toxins. <i>Toxins</i> , 2015 , 7, 2251-71	4.9	125
451	Variability in venom volume, flow rate and duration in defensive stings of five scorpion species. 2015 , 100, 60-6		17
450	A RNA-seq approach to identify putative toxins from acrorhagi in aggressive and non-aggressive <i>Anthopleura elegantissima</i> polyps. 2015 , 16, 221		47
449	CHAPTER 1: Seeing the Woods for the Trees: Understanding Venom Evolution as a Guide for Biodiscovery. 2015 , 1-36		10
448	Venom Proteomics of Indonesian King Cobra, <i>Ophiophagus hannah</i> : Integrating Top-Down and Bottom-Up Approaches. 2015 , 14, 2539-56		76
447	The effect of selection environment on the probability of parallel evolution. <i>Molecular Biology and Evolution</i> , 2015 , 32, 1436-48	8.3	75
446	Production and packaging of a biological arsenal: evolution of centipede venoms under morphological constraint. 2015 , 112, 4026-31		42
445	Engineered nanoparticles mimicking cell membranes for toxin neutralization. 2015 , 90, 69-80		84
444	Constructing comprehensive venom proteome reference maps for integrative venomics. 2015 , 12, 557-73		55
443	Transcriptome and venom proteome of the box jellyfish <i>Chironex fleckeri</i> . 2015 , 16, 407		73
442	A pain-inducing centipede toxin targets the heat activation machinery of nociceptor TRPV1. 2015 , 6, 8297		68

441	The venomous cocktail of the vampire snail <i>Colubraria reticulata</i> (Mollusca, Gastropoda). 2015 , 16, 441		32
440	The Strategic Use of Venom by Spiders. 2015 , 1-18		2
439	Phylogeny of Annelida. 2015 , 1-12		1
438	Latarcins: versatile spider venom peptides. 2015 , 72, 4501-22		39
437	Multidimensional Drift of Sequence Attributes and Functional Profiles in the Superfamily of the Three-Finger Proteins and Their Structural Homologues. 2015 , 55, 2026-41		6
436	Engineering a peptide inhibitor towards the KCNQ1/KCNE1 potassium channel (IKs). 2015 , 71, 77-83		8
435	Venom-related transcripts from <i>Bothrops jararaca</i> tissues provide novel molecular insights into the production and evolution of snake venom. <i>Molecular Biology and Evolution</i> , 2015 , 32, 754-66	8.3	67
434	The dynamically evolving nematocyst content of an anthozoan, a scyphozoan, and a hydrozoan. <i>Molecular Biology and Evolution</i> , 2015 , 32, 740-53	8.3	71
433	Expression of venom gene homologs in diverse python tissues suggests a new model for the evolution of snake venom. <i>Molecular Biology and Evolution</i> , 2015 , 32, 173-83	8.3	68
432	NMR structure of bitistatin β missing piece in the evolutionary pathway of snake venom disintegrins. 2015 , 282, 341-60		16
431	Functional characterization of a new non-Kunitz serine protease inhibitor from the scorpion <i>Lychas mucronatus</i> . 2015 , 72, 158-62		11
430	False positive tests for ciguatera may derail efforts to control invasive lionfish. 2015 , 98, 961-969		6
429	Kunitz-Type Peptide HCRG21 from the Sea Anemone <i>Heteractis crispa</i> Is a Full Antagonist of the TRPV1 Receptor. <i>Marine Drugs</i> , 2016 , 14,	6	34
428	Rapid Radiations and the Race to Redundancy: An Investigation of the Evolution of Australian Elapid Snake Venoms. <i>Toxins</i> , 2016 , 8,	4.9	45
427	Differential Properties of Venom Peptides and Proteins in Solitary vs. Social Hunting Wasps. <i>Toxins</i> , 2016 , 8, 32	4.9	44
426	Structure-Activity Relationship of Chlorotoxin-Like Peptides. <i>Toxins</i> , 2016 , 8, 36	4.9	15
425	Venoms of Heteropteran Insects: A Treasure Trove of Diverse Pharmacological Toolkits. <i>Toxins</i> , 2016 , 8, 43	4.9	38
424	The Scorpion Toxin Analogue BmKTX-D33H as a Potential Kv1.3 Channel-Selective Immunomodulator for Autoimmune Diseases. <i>Toxins</i> , 2016 , 8, 115	4.9	15

423	Colubrid Venom Composition: An -Omics Perspective. <i>Toxins</i> , 2016 , 8,	4.9	48
422	Varespladib (LY315920) Appears to Be a Potent, Broad-Spectrum, Inhibitor of Snake Venom Phospholipase A2 and a Possible Pre-Referral Treatment for Envenomation. <i>Toxins</i> , 2016 , 8,	4.9	95
421	The Snake with the Scorpion's Sting: Novel Three-Finger Toxin Sodium Channel Activators from the Venom of the Long-Glanded Blue Coral Snake (<i>Calliophis bivirgatus</i>). <i>Toxins</i> , 2016 , 8,	4.9	35
420	Snake Genome Sequencing: Results and Future Prospects. <i>Toxins</i> , 2016 , 8,	4.9	21
419	Transcriptome Analysis to Understand the Toxicity of <i>Latrodectus tredecimguttatus</i> Eggs. <i>Toxins</i> , 2016 , 8,	4.9	5
418	In Vitro Mode of Action and Anti-thrombotic Activity of Boophilin, a Multifunctional Kunitz Protease Inhibitor from the Midgut of a Tick Vector of Babesiosis, <i>Rhipicephalus microplus</i> . 2016 , 10, e0004298		20
417	Toxin structures as evolutionary tools: Using conserved 3D folds to study the evolution of rapidly evolving peptides. 2016 , 38, 539-48		54
416	Tick paralysis: Some host and tick perspectives. 2016 , 165-176		1
415	Engineering the Protein Corona of a Synthetic Polymer Nanoparticle for Broad-Spectrum Sequestration and Neutralization of Venomous Biomacromolecules. 2016 , 138, 16604-16607		49
414	[Venoms and medical research]. 2016 , 210, 89-99		2
413	Mast cells and IgE in defense against venoms: Possible "good side" of allergy?. 2016 , 65, 3-15		47
412	IgE and mast cells in host defense against parasites and venoms. 2016 , 38, 581-603		103
411	Protease inhibitor in scorpion (<i>Mesobuthus eupeus</i>) venom prolongs the biological activities of the crude venom. 2016 , 14, 607-14		10
410	A combined proteomic and transcriptomic analysis of slime secreted by the southern bottletail squid, <i>Sepiadarium austrinum</i> (Cephalopoda). 2016 , 148, 170-82		11
409	Intragenome Diversity of Gene Families Encoding Toxin-like Proteins in Venomous Animals. 2016 , 56, 938-949		11
408	Evolution of Toxin. 2016 , 113-134		2
407	Centipede venoms as a source of drug leads. 2016 , 11, 1139-1149		21
406	Cubozoan Envenomations: Clinical Features, Pathophysiology and Management. 2016 , 637-652		3

405	Combined Transcriptomic and Proteomic Analysis of the Posterior Salivary Gland from the Southern Blue-Ringed Octopus and the Southern Sand Octopus. 2016 , 15, 3284-97	15
404	Dietary breadth is positively correlated with venom complexity in cone snails. 2016 , 17, 401	60
403	Integrating Perspectives on Animal Venom Diversity: An Introduction to the Symposium. 2016 , 56, 934-937	1
402	Evidence for an Alternative Mechanism of Toxin Production in the Box Jellyfish <i>Alatina alata</i> . 2016 , 56, 973-988	11
401	A sodium channel inhibitor ISTX-I with a novel structure provides a new hint at the evolutionary link between two toxin folds. 2016 , 6, 29691	6
400	Tissue-Specific Venom Composition and Differential Gene Expression in Sea Anemones. 2016 , 8, 2358-75	51
399	The challenge of integrating proximate and ultimate causes to reconstruct the natural histories of venoms: the evolutionary link. 2016 , 13, 1059-1061	2
398	A new transcriptome and transcriptome profiling of adult and larval tissue in the box jellyfish <i>Alatina alata</i> : an emerging model for studying venom, vision and sex. 2016 , 17, 650	23
397	Effects of Gene Duplication, Positive Selection, and Shifts in Gene Expression on the Evolution of the Venom Gland Transcriptome in Widow Spiders. 2016 , 8, 228-42	26
396	Spider Transcriptomes from Venom Glands: Molecular Diversity of Ion Channel Toxins and Antimicrobial Peptide Transcripts. 2016 , 223-249	
395	Deadly Innovations: Unraveling the Molecular Evolution of Animal Venoms. 2016 , 1-27	8
394	A colostrum trypsin inhibitor gene expressed in the Cape fur seal mammary gland during lactation. 2016 , 578, 7-16	3
393	The Platypus: A Venomous Mammal. 2016 , 169-183	3
392	Scorpion Potassium Channel-blocking Defensin Highlights a Functional Link with Neurotoxin. 2016 , 291, 7097-106	35
391	Ancestral reconstruction of tick lineages. 2016 , 7, 509-35	49
390	Genome assembly and geospatial phylogenomics of the bed bug <i>Cimex lectularius</i> . 2016 , 7, 10164	46
389	Venomous extract protein profile of Brazilian tarantula <i>Grammostola iheringi</i> : searching for potential biotechnological applications. 2016 , 136, 35-47	19
388	IgE antibodies, Fc β RI and IgE-mediated local anaphylaxis can limit snake venom toxicity. 2016 , 137, 246-257.e11	41

387	Ecological venomics: How genomics, transcriptomics and proteomics can shed new light on the ecology and evolution of venom. 2016 , 135, 62-72	51
386	An intimate link between antimicrobial peptide sequence diversity and binding to essential components of bacterial membranes. 2016 , 1858, 958-70	60
385	Hormone-like peptides in the venoms of marine cone snails. 2017 , 244, 11-18	37
384	Synthetic peptide antigens derived from long-chain alpha-neurotoxins: Immunogenicity effect against elapid venoms. 2017 , 88, 80-86	11
383	St20, a new venomous animal derived natural peptide with immunosuppressive and anti-inflammatory activities. 2017 , 127, 37-43	6
382	Melt With This Kiss: Paralyzing and Liquefying Venom of The Assassin Bug (Hemiptera: Reduviidae). 2017 , 16, 552-566	35
381	Venomics: integrative venom proteomics and beyond. 2017 , 474, 611-634	103
380	Lys49 myotoxin from the Brazilian lancehead pit viper elicits pain through regulated ATP release. 2017 , 114, E2524-E2532	23
379	A prokineticin-like protein responds to immune challenges in the gastropod pest Pomacea canaliculata. 2017 , 72, 37-43	8
378	Proteomic and transcriptomic analysis of saliva components from the hematophagous reduviid Triatoma pallidipennis. 2017 , 162, 30-39	13
377	Correlation between ontogenetic dietary shifts and venom variation in Australian brown snakes (Pseudonaja). 2017 , 197, 53-60	39
376	Strategies in 'snake venomics' aiming at an integrative view of compositional, functional, and immunological characteristics of venoms. 2017 , 23, 26	79
375	Green mamba peptide targets type-2 vasopressin receptor against polycystic kidney disease. 2017 , 114, 7154-7159	24
374	Absolute venomics: Absolute quantification of intact venom proteins through elemental mass spectrometry. 2017 , 164, 33-42	34
373	Silk gene expression of theridiid spiders: implications for male-specific silk use. 2017 , 122, 107-114	18
372	An alternative pathway to eusociality: Exploring the molecular and functional basis of fortress defense. 2017 , 71, 1986-1998	4
371	Phylogeny of Annelida. 2017 , 399-413	2
370	Functional and Genetic Diversity of Toxins in Sea Anemones. 2017 , 87-104	4

369	Parasitoid Wasps and Their Venoms. 2017 , 187-212		5
368	A workflow for in silico design of hIL-10 and ebvIL-10 inhibitors using well-known miniprotein scaffolds. 2017 , 23, 118		
367	Discovery of three toxin peptides with Kv1.3 channel and IL-2 cytokine-inhibiting activities from Non-Buthidae scorpions, <i>Chaerilus tricostatus</i> and <i>Chaerilus tryznai</i> . 2017 , 91, 13-19		5
366	Minor snake venom proteins: Structure, function and potential applications. 2017 , 1861, 824-838		47
365	Endless forms most beautiful: the evolution of ophidian oral glands, including the venom system, and the use of appropriate terminology for homologous structures. 2017 , 136, 107-130		24
364	Coevolution takes the sting out of it: Evolutionary biology and mechanisms of toxin resistance in animals. 2017 , 140, 118-131		43
363	Tracing the Evolutionary History of the CAP Superfamily of Proteins Using Amino Acid Sequence Homology and Conservation of Splice Sites. 2017 , 85, 137-157		14
362	Snakebite envenoming. 2017 , 3, 17063		362
361	Changes in predator exposure, but not in diet, induce phenotypic plasticity in scorpion venom. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4-4	18
360	Revisiting venom of the sea anemone <i>Stichodactyla haddoni</i> : Omics techniques reveal the complete toxin arsenal of a well-studied sea anemone genus. 2017 , 166, 83-92		45
359	Comparative proteomics reveals recruitment patterns of some protein families in the venoms of Cnidaria. 2017 , 137, 19-26		16
358	Multiomics analysis of the giant triton snail salivary gland, a crown-of-thorns starfish predator. 2017 , 7, 6000		14
357	Catch a tiger snake by its tail: Differential toxicity, co-factor dependence and antivenom efficacy in a procoagulant clade of Australian venomous snakes. 2017 , 202, 39-54		29
356	A bimodal activation mechanism underlies scorpion toxin-induced pain. 2017 , 3, e1700810		33
355	Evolution: Gene Co-option Underpins Venom Protein Evolution. 2017 , 27, R647-R649		6
354	Ancestral protein resurrection and engineering opportunities of the mamba aminergic toxins. 2017 , 7, 2701		14
353	Comparative analyses of glycerotoxin expression unveil a novel structural organization of the bloodworm venom system. 2017 , 17, 64		11
352	Enhanced transcriptomic responses in the Pacific salmon louse <i>Lepeophtheirus salmonis</i> oncorhynchi to the non-native Atlantic Salmon <i>Salmo salar</i> suggests increased parasite fitness. 2017 , 18, 110		12

351	House spider genome uncovers evolutionary shifts in the diversity and expression of black widow venom proteins associated with extreme toxicity. 2017 , 18, 178		31
350	Bacterial and Arachnid Sphingomyelinases D: Comparison of Biophysical and Pathological Activities. 2017 , 118, 2053-2063		5
349	Convergent evolution of defensin sequence, structure and function. 2017 , 74, 663-682		92
348	Lipid metabolism in <i>Rhodnius prolixus</i> : Lessons from the genome. 2017 , 596, 27-44		11
347	Peptidomics of <i>Acanthoscurria gomesiana</i> spider venom reveals new toxins with potential antimicrobial activity. 2017 , 151, 232-242		26
346	Identification of snake venom allergens by two-dimensional electrophoresis followed by immunoblotting. 2017 , 125, 13-18		10
345	Venoms. 2017 , 99-128		2
344	Evaluation of the physiological activity of venom from the Eurasian water shrew. 2017 , 14, 46		11
343	Salivary Glands in Predatory Mollusks: Evolutionary Considerations. 2017 , 8, 580		14
342	Target-Specificity in Scorpions; Comparing Lethality of Scorpion Venoms across Arthropods and Vertebrates. <i>Toxins</i> , 2017 , 9,	4-9	12
341	From Marine Venoms to Drugs: Efficiently Supported by a Combination of Transcriptomics and Proteomics. <i>Marine Drugs</i> , 2017 , 15,	6	21
340	Protein Discovery: Combined Transcriptomic and Proteomic Analyses of Venom from the Endoparasitoid <i>Cotesia chilonis</i> (Hymenoptera: Braconidae). <i>Toxins</i> , 2017 , 9,	4-9	23
339	Coagulating Colubrids: Evolutionary, Pathophysiological and Biodiscovery Implications of Venom Variations between Boomslang (<i>Dispholidus typus</i>) and Twig Snake (<i>Thelotornis mossambicanus</i>). <i>Toxins</i> , 2017 , 9,	4-9	24
338	Enter the Dragon: The Dynamic and Multifunctional Evolution of Anguimorpha Lizard Venoms. <i>Toxins</i> , 2017 , 9,	4-9	26
337	Biochemical characterization and comparison of aspartylglucosaminidases secreted in venom of the parasitoid wasps <i>Asobara tabida</i> and <i>Leptopilina heterotoma</i> . 2017 , 12, e0181940		5
336	De novo characterization of venom apparatus transcriptome of <i>Pardosa pseudoannulata</i> and analysis of its gene expression in response to Bt protein. 2017 , 17, 73		6
335	Overlooked Short Toxin-Like Proteins: A Shortcut to Drug Design. <i>Toxins</i> , 2017 , 9,	4-9	4
334	The assassin bug <i>Pristhesancus plagipennis</i> produces two distinct venoms in separate gland lumens. 2018 , 9, 755		43

333	Targeted Sequencing of Venom Genes from Cone Snail Genomes Improves Understanding of Conotoxin Molecular Evolution. <i>Molecular Biology and Evolution</i> , 2018 , 35, 1210-1224	8.3	22
332	Chemical Ecology and Sociality in Aphids: Opportunities and Directions. 2018 , 44, 770-784		4
331	Detoxifying symbiosis: microbe-mediated detoxification of phytotoxins and pesticides in insects. 2018 , 35, 434-454		66
330	Are Fireworms Venomous? Evidence for the Convergent Evolution of Toxin Homologs in Three Species of Fireworms (Annelida, Amphinomidae). 2018 , 10, 249-268		19
329	Proteotranscriptomic Analysis and Discovery of the Profile and Diversity of Toxin-like Proteins in Centipede. 2018 , 17, 709-720		8
328	Marine Leech Anticoagulant Diversity and Evolution. 2018 , 104, 210-220		10
327	Spider's venom phospholipases D: A structural review. 2018 , 107, 1054-1065		9
326	Immune drug discovery from venoms. 2018 , 141, 18-24		7
325	When is overkill optimal? Tritrophic interactions reveal new insights into venom evolution. 2018 , 11, 141-149		5
324	Toxins: Neurotoxins. 2018 ,		0
323	Potential Applications of Venom Peptides as Anti-Thrombotic Agents for Management of Arterial and Deep-Vein Thrombosis. 2018 , 25, 677-687		3
322	Peptidomic characterization and bioactivity of <i>Protoiurus kraepelini</i> (Scorpiones: Iuridae) venom. 2018 , 42, 490-497		4
321	Coagulotoxic Cobras: Clinical Implications of Strong Anticoagulant Actions of African Spitting <i>Naja</i> Venoms That Are Not Neutralised by Antivenom but Are by LY315920 (Varespladib). <i>Toxins</i> , 2018 , 10,	4.9	54
320	Evolutionary dynamics of origin and loss in the deep history of phospholipase D toxin genes. 2018 , 18, 194		5
319	Buzz Kill: Function and Proteomic Composition of Venom from the Giant Assassin Fly (Diptera: Asilidae). <i>Toxins</i> , 2018 , 10,	4.9	9
318	A comparative venomomic fingerprinting approach reveals that galling and non-galling fig wasp species have different venom profiles. 2018 , 13, e0207051		1
317	Scratching the Surface of an Itch: Molecular Evolution of Aculeata Venom Allergens. 2018 , 86, 484-500		4
316	Deep sequencing analysis of toad skin glands and partial biochemical characterization of its cutaneous secretion. 2018 , 24, 36		5

315	Phylogenetic Comparative Methods can Provide Important Insights into the Evolution of Toxic Weaponry. <i>Toxins</i> , 2018 , 10,	4.9	5
314	Entomo-venomics: The evolution, biology and biochemistry of insect venoms. 2018 , 154, 15-27		37
313	Toxin diversity revealed by the venom gland transcriptome of <i>Pardosa pseudoannulata</i> , a natural enemy of several insect pests. 2018 , 28, 172-182		6
312	Snake venom components in medicine: From the symbolic rod of Asclepius to tangible medical research and application. 2018 , 104, 94-113		13
311	A salamander's toxic arsenal: review of skin poison diversity and function in true salamanders, genus <i>Salamandra</i> . 2018 , 105, 56		19
310	Shotgun Proteomics Analysis of Saliva and Salivary Gland Tissue from the Common Octopus <i>Octopus vulgaris</i> . 2018 , 17, 3866-3876		10
309	Three-Finger Toxin Diversification in the Venoms of Cat-Eye Snakes (Colubridae: Boiga). 2018 , 86, 531-545		9
308	Engineering varied serine protease inhibitors by converting P1 site of BF9, a weakly active Kunitz-type animal toxin. 2018 , 120, 1190-1197		6
307	Anti-haemostatic compounds from the vampire snail <i>Cumia reticulata</i> : Molecular cloning and in-silico structure-function analysis. 2018 , 75, 168-177		3
306	Animal Toxins as Therapeutic Tools to Treat Neurodegenerative Diseases. 2018 , 9, 145		38
305	Definition of the R-superfamily of conotoxins: Structural convergence of helix-loop-helix peptidic scaffolds. 2018 , 107, 75-82		5
304	Poly-Xaa Sequences in Proteins - Biological Role and Interactions with Metal Ions: Chemical and Medical Aspects. 2018 , 25, 22-48		3
303	An overview of <i>Phoneutria nigriventer</i> spider venom using combined transcriptomic and proteomic approaches. 2018 , 13, e0200628		22
302	Proteomic Analyses of the Unexplored Sea Anemone <i>Bunodactis verrucosa</i> . <i>Marine Drugs</i> , 2018 , 16,	6	13
301	A Dipteran's Novel Sucker Punch: Evolution of Arthropod Atypical Venom with a Neurotoxic Component in Robber Flies (Asilidae, Diptera). <i>Toxins</i> , 2018 , 10,	4.9	22
300	Classes, Databases, and Prediction Methods of Pharmaceutically and Commercially Important Cystine-Stabilized Peptides. <i>Toxins</i> , 2018 , 10,	4.9	2
299	Tick Paralysis: Solving an Enigma. 2018 , 5,		15
298	PHAB toxins: a unique family of predatory sea anemone toxins evolving via intra-gene concerted evolution defines a new peptide fold. 2018 , 75, 4511-4524		20

297	Combined proteomic and functional analysis reveals rich sources of protein diversity in skin mucus and venom from the <i>Scorpaena plumieri</i> fish. 2018 , 187, 200-211		12
296	Microbial production of toxins from the scorpion venom: properties and applications. 2018 , 102, 6319-6331		9
295	Transcriptome analysis provides insights into the immunity function of venom glands in <i>Pardosa pseudoannulata</i> in responses to cadmium toxicity. 2018 , 25, 23875-23882		7
294	Novel <i>Naja atra</i> cardiotoxin 1 (CTX-1) derived antimicrobial peptides with broad spectrum activity. 2018 , 13, e0190778		17
293	Cnidarian peptide neurotoxins: a new source of various ion channel modulators or blockers against central nervous systems disease. 2019 , 24, 189-197		15
292	Venom Composition Does Not Vary Greatly Between Different Nematocyst Types Isolated from the Primary Tentacles of (Cnidaria: Hydrozoa). 2019 , 237, 26-35		6
291	Parallel Evolution of Complex Centipede Venoms Revealed by Comparative Proteotranscriptomic Analyses. <i>Molecular Biology and Evolution</i> , 2019 , 36, 2748-2763	8.3	14
290	Coral Venom Toxins. 2019 , 7,		7
289	Transcriptomic Analysis of the Influence of Methanol Assimilation on the Gene Expression in the Recombinant Producing Hirudin Variant 3. 2019 , 10,		3
288	Uncapping the N-terminus of a ubiquitous His-tag peptide enhances its Cu binding affinity. 2019 , 48, 13567-13579		1
287	Toxins from scratch? Diverse, multimodal gene origins in the predatory robber fly <i>Dasypogon diadema</i> indicate a dynamic venom evolution in dipteran insects. 2019 , 8,		11
286	A randomized, triple-blind, placebo-controlled clinical trial, evaluating the sesamin supplement effects on proteolytic enzymes, inflammatory markers, and clinical indices in women with rheumatoid arthritis. 2019 , 33, 2421-2428		14
285	Molecular composition of the paralyzing venom of three solitary wasps (Hymenoptera: Pompilidae) collected in southeast Mexico. 2019 , 168, 98-102		0
284	When spider and snake get along: Fusion of a snake disintegrin with a spider phospholipase D to explore their synergistic effects on a tumor cell. 2019 , 168, 40-48		5
283	Venom Diversity and Evolution in the Most Divergent Cone Snail Genus. <i>Toxins</i> , 2019 , 11,	4.9	7
282	Vampire Venom: Vasodilatory Mechanisms of Vampire Bat () Blood Feeding. <i>Toxins</i> , 2019 , 11,	4.9	6
281	Isolation of a Novel Metalloproteinase from <i>Agkistrodon</i> Venom and Its Antithrombotic Activity Analysis. 2019 , 20,		5
280	Snake Venom in Context: Neglected Clades and Concepts. 2019 , 7,		30

279	Phylogeny-Guided Selection of Priority Groups for Venom Bioprospecting: Harvesting Toxin Sequences in Tarantulas as a Case Study. <i>Toxins</i> , 2019 , 11,	4.9	8
278	Animal venoms: therapeutic tools for tackling Parkinson's disease. 2019 , 24, 2202-2211		7
277	Identification of Kir Channels as Putative Targets of the Bee Venom Peptide Tertiapin Using Structure-Based Virtual Screening Methods. <i>Toxins</i> , 2019 , 11,	4.9	1
276	Snake Venoms in Drug Discovery: Valuable Therapeutic Tools for Life Saving. <i>Toxins</i> , 2019 , 11,	4.9	57
275	Polypeptides secreted from the columnar vesicles of the sea anemone <i>Bunodosoma cangicum</i> and their in vivo effects on <i>Caenorhabditis elegans</i> . 2019 , 43, 429-436		1
274	Combined transcriptomic and proteomic analysis reveals a diversity of venom-related and toxin-like peptides expressed in the mat anemone <i>Zoanthus natalensis</i> (Cnidaria, Hexacorallia). 2019 , 93, 1745-1767		8
273	Sea Anemone Toxins: A Structural Overview. <i>Marine Drugs</i> , 2019 , 17,	6	22
272	"Beyond Primary Sequence"-Proteomic Data Reveal Complex Toxins in Cnidarian Venoms. 2019 , 59, 777-785		10
271	Convergent recruitment of adamalysin-like metalloproteases in the venom of the red bark centipede (<i>Scolopocryptops sexspinosus</i>). 2019 , 168, 1-15		5
270	Differential destructive (non-clotting) fibrinolytic activity in Afro-Asian elapid snake venoms and the links to defensive hooding behavior. 2019 , 60, 330-335		14
269	Overview on the Systematics of Biotoxins as Threat Agents. 2019 , 339-357		
268	Venom Costs and Optimization in Scorpions. 2019 , 7,		21
267	Dissecting Toxicity: The Venom Gland Transcriptome and the Venom Proteome of the Highly Venomous Scorpion (Karsch, 1879). <i>Toxins</i> , 2019 , 11,	4.9	15
266	Varanid Lizard Venoms Disrupt the Clotting Ability of Human Fibrinogen through Destructive Cleavage. <i>Toxins</i> , 2019 , 11,	4.9	7
265	Investigation of the estuarine stonefish (<i>Synanceia horrida</i>) venom composition. 2019 , 201, 12-26		5
264	The Significance of Comparative Genomics in Modern Evolutionary Venomics. 2019 , 7,		14
263	The Dual Prey-Inactivation Strategy of Spiders-In-Depth Venomic Analysis of. <i>Toxins</i> , 2019 , 11,	4.9	19
262	Effects of Selective Substitution of Cysteine Residues on the Conformational Properties of Chlorotoxin Explored by Molecular Dynamics Simulations. 2019 , 20,		0

261	A Novel Phospholipase A2 Isolated from Possesses Neurotoxic Activity. <i>Toxins</i> , 2019 , 11,	4.9	1
260	The hidden biotechnological potential of marine invertebrates: The Polychaeta case study. 2019 , 173, 270-280		9
259	A process of convergent amplification and tissue-specific expression dominates the evolution of toxin and toxin-like genes in sea anemones. 2019 , 28, 2272-2289		29
258	Revisiting Polybia paulista wasp venom using shotgun proteomics - Insights into the N-linked glycosylated venom proteins. 2019 , 200, 60-73		6
257	Alternative Transcription at Venom Genes and Its Role as a Complementary Mechanism for the Generation of Venom Complexity in the Common House Spider. 2019 , 7,		7
256	Serum-based inhibition of pitviper venom by eastern indigo snakes (). 2019 , 8,		3
255	Inhibitory Effect of Metalloproteinase Inhibitors on Skin Cell Inflammation Induced by Jellyfish Nematocyst Venom. <i>Toxins</i> , 2019 , 11,	4.9	5
254	Basal but divergent: Clinical implications of differential coagulotoxicity in a clade of Asian vipers. 2019 , 58, 195-206		21
253	Venom Mediates Vasodilatation of Resistance Like Arteries via Activation of K and K Channels. <i>Toxins</i> , 2019 , 11,	4.9	4
252	Evolutionary Ecology of Fish Venom: Adaptations and Consequences of Evolving a Venom System. <i>Toxins</i> , 2019 , 11,	4.9	19
251	Solenodon genome reveals convergent evolution of venom in eulipotyphlan mammals. 2019 , 116, 25745-25755		2
250	Not so Dangerous After All? Venom Composition and Potency of the Pholcid (Daddy Long-Leg) Spider. 2019 , 7,		5
249	The Diversity of Venom: The Importance of Behavior and Venom System Morphology in Understanding Its Ecology and Evolution. <i>Toxins</i> , 2019 , 11,	4.9	56
248	Identification and Characterization of ShSPI, a Kazal-Type Elastase Inhibitor from the Venom of. <i>Toxins</i> , 2019 , 11,	4.9	0
247	High Specific Efficiency of Venom of Two Prey-Specialized Spiders. <i>Toxins</i> , 2019 , 11,	4.9	9
246	Hadrurid Scorpion Toxins: Evolutionary Conservation and Selective Pressures. <i>Toxins</i> , 2019 , 11,	4.9	4
245	Beyond the 'big four': Venom profiling of the medically important yet neglected Indian snakes reveals disturbing antivenom deficiencies. 2019 , 13, e0007899		48
244	Animal Venom Peptides as a Treasure Trove for New Therapeutics Against Neurodegenerative Disorders. 2019 , 26, 4749-4774		12

243	The Harderian gland transcriptomes of <i>Caraiba andreae</i> , <i>Cubophis cantherigerus</i> and <i>Tretanorhinus variabilis</i> , three colubroid snakes from Cuba. 2019 , 111, 1720-1727	4
242	A Centipede Toxin Family Defines an Ancient Class of CS β Defensins. 2019 , 27, 315-326.e7	9
241	Beetle and Plant Arrow Poisons of the San People of Southern Africa. 2019 , 11-71	4
240	Role of a serine protease gene (AccSp1) from <i>Apis cerana cerana</i> in abiotic stress responses and innate immunity. 2019 , 24, 29-43	1
239	Habu coagulotoxicity: Clinical implications of the functional diversification of Protobothrops snake venoms upon blood clotting factors. 2019 , 55, 62-74	21
238	The evolution and origin of tetrodotoxin acquisition in the blue-ringed octopus (genus <i>Hapalochlaena</i>). 2019 , 206, 114-122	10
237	Expression and characterization of Flavikunin: A Kunitz-type serine protease inhibitor identified in the venom gland cDNA library of <i>Bungarus flaviceps</i> . 2019 , 33, e22273	1
236	Arthropod venoms: Biochemistry, ecology and evolution. 2019 , 158, 84-103	14
235	Antiplatelet properties of snake venoms: a mini review. 2020 , 39, 14-23	2
234	Conformational dynamics of [Formula: see text]-conotoxin PnIB in complex solvent systems. 2020 , 24, 1291-1299	1
233	Macroevolutionary Analyses Suggest That Environmental Factors, Not Venom Apparatus, Play Key Role in Terebridae Marine Snail Diversification. 2020 , 69, 413-430	2
232	Weaponisation 'on the fly': Convergent recruitment of knottin and defensin peptide scaffolds into the venom of predatory assassin flies. 2020 , 118, 103310	7
231	Scorpion venomomics: a 2019 overview. 2020 , 17, 67-83	12
230	Widespread Evolution of Molecular Resistance to Snake Venom β Neurotoxins in Vertebrates. <i>Toxins</i> , 2020 , 12,	4-9 8
229	Conformational ensembles of non-peptide β conotoxin mimetics and Ca ion binding to human voltage-gated N-type calcium channel Ca _v 2.2. 2020 , 18, 2357-2372	1
228	Potent virucidal activity of honeybee " <i>Apis mellifera</i> " venom against Hepatitis C Virus. 2020 , 188, 55-64	2
227	A Review of Toxins from Cnidaria. <i>Marine Drugs</i> , 2020 , 18,	6 17
226	A snake toxin as a theranostic agent for the type 2 vasopressin receptor. 2020 , 10, 11580-11594	3

225	Toxin-like neuropeptides in the sea anemone unravel recruitment from the nervous system to venom. 2020 , 117, 27481-27492		10
224	Evolutionary Aspects of the Structural Convergence and Functional Diversification of Kunitz-Domain Inhibitors. 2020 , 88, 537-548		3
223	Kinome scale profiling of venom effects on cancer cells reveals potential new venom activities. 2020 , 185, 129-146		2
222	An Economic Dilemma Between Molecular Weapon Systems May Explain an Arachno-atypical Venom in Wasp Spiders (). <i>Biomolecules</i> , 2020 , 10,	5.9	6
221	The Multilocus Multispecies Coalescent: A Flexible New Model of Gene Family Evolution. 2021 , 70, 822-837		3
220	Proteo-Transcriptomic Analysis Identifies Potential Novel Toxins Secreted by the Predatory, Prey-Piercing Ribbon Worm. <i>Marine Drugs</i> , 2020 , 18,	6	4
219	A comparison of the structure and function of nematocysts in free-living and parasitic cnidarians (Myxozoa). 2020 , 50, 763-769		12
218	Individual variation in cardiotoxicity of parotoid secretion of the common toad, <i>Bufo bufo</i> , depends on body size - first results. 2020 , 142, 125822		1
217	A Multiomics Approach Unravels New Toxins With Possible Antimicrobial, Antiviral, and Antitumoral Activities in the Venom of. 2020 , 11, 1075		9
216	Transcriptomic Analysis of Four Cerianthid (Cnidaria, Ceriantharia) Venoms. <i>Marine Drugs</i> , 2020 , 18,	6	6
215	Molecular evolution of gland cell types and chemical interactions in animals. 2020 , 223,		16
214	Highlights of animal venom research on the geographical variations of toxin components, toxicities and envenomation therapy. 2020 , 165, 2994-3006		7
213	Fraternine, a Novel Wasp Peptide, Protects against Motor Impairments in 6-OHDA Model of Parkinsonism. <i>Toxins</i> , 2020 , 12,	4.9	4
212	Deadly Proteomes: A Practical Guide to Proteotranscriptomics of Animal Venoms. 2020 , 20, e1900324		10
211	Size Matters: An Evaluation of the Molecular Basis of Ontogenetic Modifications in the Composition of Snake Venom. <i>Toxins</i> , 2020 , 12,	4.9	4
210	How the Toxin got its Toxicity. 2020 , 11, 574925		6
209	Pick Your Poison: Molecular Evolution of Venom Proteins in Asilidae (Insecta: Diptera). <i>Toxins</i> , 2020 , 12,	4.9	1
208	Tiergifte als Quelle neuartiger Bioressourcen. 2020 , 26, 724-727		

207	Synergies with and Resistance to Membrane-Active Peptides. 2020 , 9,		3
206	Putative Antimicrobial Peptides of the Posterior Salivary Glands from the Cephalopod Revealed by Exploring a Composite Protein Database. 2020 , 9,		4
205	Structural venomics reveals evolution of a complex venom by duplication and diversification of an ancient peptide-encoding gene. 2020 , 117, 11399-11408		29
204	Comparative proteomic analysis to probe into the differences in protein expression profiles and toxicity bases of <i>Latrodectus tredecimguttatus</i> spiderlings and adult spiders. 2020 , 232, 108762		2
203	The functions of CAP superfamily proteins in mammalian fertility and disease. 2020 , 26, 689-723		8
202	Salmon immunological defence and interplay with the modulatory capabilities of its ectoparasite <i>Lepeophtheirus salmonis</i> . 2020 , 42, e12731		2
201	Venom Systems as Models for Studying the Origin and Regulation of Evolutionary Novelty. <i>Molecular Biology and Evolution</i> , 2020 , 37, 2777-2790	8.3	14
200	Tick-Borne Flavivirus Inhibits Sphingomyelinase (SMase), a Venomous Spider Ortholog to Increase Sphingomyelin Lipid Levels for Its Survival in Ticks. 2020 , 10, 244		8
199	Revealing the Venomous Secrets of the Spider's Web. 2020 , 19, 3044-3059		2
198	Comparative transcriptomics of the venoms of continental and insular radiations of West African cones. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20200794	4.4	6
197	Toxinology provides multidirectional and multidimensional opportunities: A personal perspective. 2020 , 6, 100039		1
196	Causes and Consequences of Snake Venom Variation. 2020 , 41, 570-581		70
195	Cloning and identification of a new multifunctional Ascaris-type peptide from the hemolymph of <i>Buthus martensii</i> Karsch. 2020 , 184, 167-174		1
194	Animal toxins - Nature's evolutionary-refined toolkit for basic research and drug discovery. 2020 , 181, 114096		43
193	A new multigene HCIQ subfamily from the sea anemone <i>Heteractis crispa</i> encodes Kunitz-peptides exhibiting neuroprotective activity against 6-hydroxydopamine. 2020 , 10, 4205		7
192	Mast cells and IgE in defense against lethality of venoms: Possible "benefit" of allergy. 2020 , 29, 46-62		8
191	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. 2020 , 225, 103882		4
190	A Comprehensive Multi-Omic Approach Reveals a Relatively Simple Venom in a Diet Generalist, the Northern Short-Tailed Shrew, <i>Blarina brevicauda</i> . 2020 , 12, 1148-1166		4

189	Neuropeptide signalling systems - An underexplored target for venom drug discovery. 2020 , 181, 114129		7
188	Extended Snake Venomics by Top-Down In-Source Decay: Investigating the Newly Discovered Anatolian Meadow Viper Subspecies,. 2020 , 19, 1731-1749		9
187	Quantitative Proteomic Analysis of the Slime and Ventral Mantle Glands of the Striped Pyjama Squid (). 2020 , 19, 1491-1501		2
186	Diet Breadth Mediates the Prey Specificity of Venom Potency in Snakes. <i>Toxins</i> , 2020 , 12,	4.9	23
185	The Toxicological Intersection between Allergen and Toxin: A Structural Comparison of the Cat Dander Allergenic Protein Fel d1 and the Slow Loris Brachial Gland Secretion Protein. <i>Toxins</i> , 2020 , 12,	4.9	4
184	Mast cells and IgE in defense against lethality of venoms: Possible "benefit" of allergy*. 2020 , 29, 34-50		
183	, the most important snake involved in human envenomings in the amazon: How venomics contributes to the knowledge of snake biology and clinical toxinology. 2020 , 6, 100037		20
182	Characterising Functional Venom Profiles of Anthozoans and Medusozoans within Their Ecological Context. <i>Marine Drugs</i> , 2020 , 18,	6	13
181	A data-driven integrative platform for computational prediction of toxin biotransformation with a case study. 2021 , 408, 124810		0
180	Armed stem to stinger: a review of the ecological roles of scorpion weapons. 2021 , 27, e20210002		4
179	Insights into how development and life-history dynamics shape the evolution of venom. 2021 , 12, 1		4
178	Produktion von Giften und Abwehrstoffen. 2021 , 963-986		
177	Effects of venoms on neutrophil respiratory burst: a major inflammatory function. 2021 , 27, e20200179		1
176	Levels and distribution of tetrodotoxin in the blue-lined octopus <i>Hapalochlaena fasciata</i> in Japan, with special reference to within-body allocation. 2021 , 87,		2
175	Biogeographical venom variation in the Indian spectacled cobra (<i>Naja naja</i>) underscores the pressing need for pan-India efficacious snakebite therapy. 2021 , 15, e0009150		23
174	Molecular diversity and evolutionary trends of cysteine-rich peptides from the venom glands of Chinese spider <i>Heteropoda venatoria</i> . 2021 , 11, 3211		1
173	Presence of a neprilysin on <i>Avicularia juruensis</i> (Mygalomorphae: Theraphosidae) venom. 1-10		0
172	The new COST Action European Venom Network (EUVEN)-synergy and future perspectives of modern venomics. 2021 , 10,		1

171	Venom Use in Eulipotyphlans: An Evolutionary and Ecological Approach. <i>Toxins</i> , 2021 , 13,	4.9	0
170	Sea Anemone Kunitz-Type Peptides Demonstrate Neuroprotective Activity in the 6-Hydroxydopamine Induced Neurotoxicity Model. 2021 , 9,		4
169	Jellyfish venom proteins and their pharmacological potentials: A review. 2021 , 176, 424-436		5
168	Identification of Novel Toxin Genes from the Stinging Nettle Caterpillar (Cramer, 1799): Insights into the Evolution of Lepidoptera Toxins. 2021 , 12,		1
167	Morphological Analysis Reveals a Compartmentalized Duct in the Venom Apparatus of the Wasp Spider (). <i>Toxins</i> , 2021 , 13,	4.9	1
166	Recruitment of toxin-like proteins with ancestral venom function supports endoparasitic lifestyles of Myxozoa. 2021 , 9, e11208		2
165	Production, composition, and mode of action of the painful defensive venom produced by a limacodid caterpillar,. 2021 , 118,		4
164	Age-dependent genetic architecture underlines similar heritability of body size in sticklebacks.		1
163	The genome of the venomous snail <i>Lautoconus ventricosus</i> sheds light on the origin of conotoxin diversity. 2021 , 10,		7
162	IgE antibodies increase honeybee venom responsiveness and detoxification efficiency of mast cells. 2021 ,		3
161	Localization and Bioreactivity of Cysteine-Rich Secretions in the Marine Gastropod. <i>Marine Drugs</i> , 2021 , 19,	6	
160	Jararhagin, a snake venom metalloproteinase, induces mechanical hyperalgesia in mice with the neuroinflammatory contribution of spinal cord microglia and astrocytes. 2021 , 179, 610-619		1
159	Antithrombotic and anticoagulant effects of a novel protein isolated from the venom of the <i>Deinagkistrodon acutus</i> snake. 2021 , 138, 111527		4
158	Venom-Induced Blood Disturbances by Palearctic Viperid Snakes, and Their Relative Neutralization by Antivenoms and Enzyme-Inhibitors. 2021 , 12, 688802		4
157	BoaBLI from <i>Boa constrictor</i> Blood is a Broad-Spectrum Inhibitor of Venom PLA Pathophysiological Actions. 2021 , 47, 907-914		0
156	Proteo-Transcriptomic Analyses Reveal a Large Expansion of Metalloprotease-Like Proteins in Atypical Venom Vesicles of the Wasp (Braconidae). <i>Toxins</i> , 2021 , 13,	4.9	1
155	Mutual enlightenment: A toolbox of concepts and methods for integrating evolutionary and clinical toxinology via snake venomomics and the contextual stance. 2021 , 9-10, 100070		8
154	A symphony of destruction: Dynamic differential fibrinolytic toxicity by rattlesnake (<i>Crotalus</i> and <i>Sistrurus</i>) venoms. 2021 , 245, 109034		4

153	GAS1: A New β -Glucan Immunostimulant Candidate to Increase Rainbow Trout (<i>Oncorhynchus mykiss</i>) Resistance to Bacterial Infections With. 2021 , 12, 693613		3
152	The influence of ecological factors on cnidarian venoms. 2021 , 9-10, 100067		2
151	Ecological and biogeographic processes drive the proteome evolution of snake venom. 2021 , 30, 1978-1989		0
150	The Dragon's Paralysing Spell: Evidence of Sodium and Calcium Ion Channel Binding Neurotoxins in Helodermatid and Varanid Lizard Venoms. <i>Toxins</i> , 2021 , 13,	4.9	0
149	Fusion of parvovirus B19 receptor-binding domain and pneumococcal surface protein A induces protective immunity against parvovirus B19 and <i>Streptococcus pneumoniae</i> . 2021 , 39, 5146-5152		1
148	The biology and evolution of spider venoms. <i>Biological Reviews</i> , 2021 ,	13.5	5
147	A Spider Toxin Exemplifies the Promises and Pitfalls of Cell-Free Protein Production for Venom Biodiscovery. <i>Toxins</i> , 2021 , 13,	4.9	0
146	Antimicrobial peptidomes of <i>Bothrops atrox</i> and <i>Bothrops jararacussu</i> snake venoms. 2021 , 53, 1635-1648		1
145	Remote homology clustering identifies lowly conserved families of effector proteins in plant-pathogenic fungi. 2021 , 7,		0
144	Biochemical and Proteomic Characterization, and Pharmacological Insights of Indian Red Scorpion Venom Toxins. 2021 , 12, 710680		0
143	A Common Endocrine Signature Marks the Convergent Evolution of an Elaborate Dance Display in Frogs. 2021 , 198, 522-539		1
142	Chromosome-level reference genome of the European wasp spider <i>Argiope bruennichi</i> : a resource for studies on range expansion and evolutionary adaptation. 2021 , 10,		11
141	A Transcriptomic Approach to the Recruitment of Venom Proteins in a Marine Annelid. <i>Toxins</i> , 2021 , 13,	4.9	2
140	Glandular Matrices and Secretions: Blood-Feeding Arthropods. 2016 , 625-688		8
139	Beach to Bench to Bedside: Marine Invertebrate Biochemical Adaptations and Their Applications in Biotechnology and Biomedicine. 2018 , 65, 359-376		1
138	Hypotensive Proteins from Hematophagous Animals. 2010 , 673-696		1
137	Secreted Phospholipases A2 with β -Neurotoxic Activity. 2017 , 67-86		2
136	The Strategic Use of Venom by Spiders. 2017 , 145-166		2

135	Evolutionary Context of Venom in Animals. 2017 , 3-31	11
134	Deadly Innovations: Unraveling the Molecular Evolution of Animal Venoms. 2014 , 1-23	1
133	Evolutionary Context of Venom in Animals. 2015 , 1-23	4
132	Functional and Genetic Diversity of Toxins in Sea Anemones. 2016 , 1-18	2
131	Parasitoid Wasps and Their Venoms. 2015 , 1-26	1
130	Parasitoid Wasps and Their Venoms. 2016 , 1-26	5
129	Venom Use in Mammals: Evolutionary Aspects. 2016 , 1-23	1
128	The evolutionary dynamics of venom toxins made by insects and other animals. 2020 , 48, 1353-1365	5
127	Venomic Interrogation Reveals the Complexity of <i>Conus striolatus</i> Venom. 2020 , 73, 357	3
126	Targeted sequencing of venom genes from cone snail genomes reveals coupling between dietary breadth and conotoxin diversity.	1
125	The Multilocus Multispecies Coalescent: A Flexible New Model of Gene Family Evolution.	2
124	Chromosome-level reference genome of the European wasp spider <i>Argiope bruennichi</i> : a resource for studies on range expansion and evolutionary adaptation.	2
123	Toxin-like neuropeptides in the sea anemone <i>Nematostella</i> unravel recruitment from the nervous system to venom.	1
122	A suppressor/enhancer screen in <i>Drosophila</i> reveals a role for wnt-mediated lipid metabolism in primordial germ cell migration. 2011 , 6, e26993	15
121	SjAPI, the first functionally characterized <i>Ascaris</i> -type protease inhibitor from animal venoms. 2013 , 8, e57529	31
120	Identification of new sphingomyelinases D in pathogenic fungi and other pathogenic organisms. 2013 , 8, e79240	20
119	Molecular evolution of vertebrate neurotrophins: co-option of the highly conserved nerve growth factor gene into the advanced snake venom arsenal. 2013 , 8, e81827	37
118	Isolation, N-glycosylations and Function of a Hyaluronidase-Like Enzyme from the Venom of the Spider <i>Cupiennius salei</i> . 2015 , 10, e0143963	18

117	A salivary chitinase of <i>Varroa destructor</i> influences host immunity and mite's survival. 2020 , 16, e1009075	1
116	Why do we study animal toxins?. 2015 , 36, 183-222	51
115	Biochemical Modulation of Venom by Spiders is Achieved Via Compartmentalized Toxin Production and Storage.	1
114	Nanoparticles Functionalized with Venom-Derived Peptides and Toxins for Pharmaceutical Applications. 2020 , 21, 97-109	3
113	Behavioral, Physiological, Demographic and Ecological Impacts of Hematophagous and Endoparasitic Insects on an Arctic Ungulate. <i>Toxins</i> , 2020 , 12,	4-9 8
112	Dynamics of venom composition across a complex life cycle. 2018 , 7,	48
111	Sexually dimorphic venom proteins in long-jawed orb-weaving spiders () comprise novel gene families. 2018 , 6, e4691	13
110	Venomix: a simple bioinformatic pipeline for identifying and characterizing toxin gene candidates from transcriptomic data. 2018 , 6, e5361	11
109	Integration of phylogenomics and molecular modeling reveals lineage-specific diversification of toxins in scorpions. 2018 , 6, e5902	13
108	TOXIFY: a deep learning approach to classify animal venom proteins. 2019 , 7, e7200	6
107	A Short Review of the Venoms and Toxins of Spider Wasps (Hymenoptera: Pompilidae). <i>Toxins</i> , 2021 , 13,	4-9 1
106	Structures and interactions of insulin-like peptides from cone snail venom. 2021 ,	0
105	The Platypus: A Venomous Mammal. 2014 , 1-13	
104	Secreted Phospholipases A2 with Neurotoxic Activity. 2015 , 1-15	
103	Spider Transcriptomes from Venom Glands: Molecular Diversity of Ion Channel Toxins and Antimicrobial Peptide Transcripts. 2015 , 1-20	1
102	On physiological mechanism of salivary secretion in ticks <i>Argas persicus</i> Oken, 1818 (Argasidae, Argas). 2016 , 3, 24-29	
101	Venom Use in Mammals: Evolutionary Aspects. 2017 , 235-257	
100	Dynamics of venom composition across a complex life cycle.	

- 99 Animal Venoms: Origin, Diversity and Evolution. 1-20 1
- 98 Structural venomics: evolution of a complex chemical arsenal by massive duplication and neofunctionalization of a single ancestral fold.
- 97 Extended snake venomics by top-down in-source decay: Investigating the newly discovered Anatolian Meadow viper subspecies, *Vipera anatolica senliki*.
- 96 An economic dilemma between weapon systems may explain an arachno-atypical venom in wasp spiders (*Argiope bruennichi*).
- 95 Transcriptomic analysis of four cerianthid (Cnidaria, Ceriantharia) venoms. 1
- 94 Razor: annotation of signal peptides from toxins. 1
- 93 Hello, kitty: could cat allergy be a form of intoxication?. **2020**, 26, e20200051
- 92 Pick Your Poison: Molecular Evolution of Venom Proteins in Asilidae (Insecta: Diptera).
- 91 Mast Cells and IgE can Enhance Survival During Innate and Acquired Host Responses to Venoms. **2017**, 128, 193-221 12
- 90 The bee venom active compound melittin protects against bicuculline-induced seizures and hippocampal astrocyte activation in rats. **2021**, 91, 102209 0
- 89 Heilen mit Tiergiften.
- 88 Venoms for all occasions: The functional toxin profiles of different anatomical regions in sea anemones are related to their ecological function. **2021**, 4
- 87 Draft genome of the Brazilian railroad worm *Phrixothrix hirtus* E.Olivier (Phengodidae: Coleoptera).
- 86 *Plasmodium falciparum* Cysteine Rich Secretory Protein uniquely localizes to one end of male gametes.. **2022**, 248, 111447 0
- 85 A proteomics informed by transcriptomics insight into the proteome of *Ornithodoros erraticus* adult tick saliva.. **2022**, 15, 1 4
- 84 Bee core venom genes predominantly originated before aculeate stingers evolved. 0
- 83 OUP accepted manuscript. 0
- 82 Spatial Venomics - Cobra Venom System Reveals Spatial Differentiation of Snake Toxins by Mass Spectrometry Imaging. 0

81	Strategies for Heterologous Expression, Synthesis, and Purification of Animal Venom Toxins.. 2021 , 9, 811905		1
80	Sea anemone venom: Ecological interactions and bioactive potential.. 2022 ,		1
79	Implications of bleaching on cnidarian venom ecology.. 2022 , 13, 100094		
78	[Bone marrow hematopoiesis. Evaluation of the myelogram]. 1990 , 35, 29-31		
77	The rise of genomics in snake venom research: recent advances and future perspectives.. 2022 , 11,		2
76	AsKC11, a Kunitz Peptide from , Is a Novel Activator of G Protein-Coupled Inward-Rectifier Potassium Channels.. <i>Marine Drugs</i> , 2022 , 20,	6	1
75	Bioactive Peptides and Proteins from Wasp Venoms.. <i>Biomolecules</i> , 2022 , 12,	5.9	1
74	Parallel evolutionary paths of rove beetle myrmecophiles: replaying a deep-time tape of life.. 2022 , 51, 100903		2
73	Chromosomal-level genome of a sheet-web spider provides insight into the composition and evolution of venom.. 2022 ,		1
72	Proteotranscriptomic Analysis and Toxicity Assay Suggest the Functional Distinction between Venom Gland Chambers in Twin-Spotted Assassin Bug, .. 2022 , 11,		
71	Analysis of the Composition of Snake Venom Based on Proteomics, and Its Antithrombotic Activity and Toxicity Studies.. <i>Molecules</i> , 2022 , 27,	4.8	2
70	Proteotranscriptomics reveals the secretory dynamics of teratocytes, regulators of parasitization by the endoparasitoid wasp <i>Cotesia flavipes</i> .. 2022 , 104395		0
69	Reconstructing the Origins of the Somatostatin and Allatostatin-C Signaling Systems Using the Accelerated Evolution of Biodiverse Cone Snail Venoms.. <i>Molecular Biology and Evolution</i> , 2022 ,	8.3	0
68	Profiling hymenopteran venom toxins: Protein families, structural landscape, biological activities, and pharmacological benefits.. 2022 , 14, 100119		0
67	An investigation into the toxicity of tissue extracts from two distinct marine Polychaeta.. 2022 , 14, 100116		1
66	: An Arboreal Pitviper in the Amazon and Atlantic Forest.. 2021 , 12, 778302		
65	Genome Analysis of : Unraveling the Genomic Landscape of a Successful Invader.. 2021 , 12, 790850		2
64	The cnidarian parasite utilizes inherited and recruited venom-like compounds during infection.. 2021 , 9, e12606		1

- 63 Co-option of the same ancestral gene family gave rise to mammalian and reptilian toxins.. **2021**, 19, 268 ○
- 62 Venom gene sequence diversity and expression jointly shape diet adaptation in pitvipers.. *Molecular Biology and Evolution*, **2022**, 8,3 ○
- 61 Image_1.JPEG. **2020**,
- 60 Image_2.JPEG. **2020**,
- 59 Image_3.JPEG. **2020**,
- 58 Data_Sheet_1.PDF. **2019**,
- 57 Data_Sheet_1.zip. **2019**,
- 56 Data_Sheet_2.PDF. **2019**,
- 55 Data_Sheet_3.PDF. **2019**,
- 54 Data_Sheet_4.PDF. **2019**,
- 53 Data_Sheet_5.PDF. **2019**,
- 52 Data_Sheet_6.PDF. **2019**,
- 51 Data_Sheet_7.PDF. **2019**,
- 50 Data_Sheet_8.PDF. **2019**,
- 49 Data_Sheet_9.PDF. **2019**,
- 48 Table_1.XLSX. **2019**,
- 47 Table_2.XLSX. **2019**,
- 46 Table_3.XLSX. **2019**,

45 Table_4.DOCX. 2019,

44 Table_5.XLSX. 2019,

43 Table_6.XLSX. 2019,

42 Data_Sheet_1.PDF. 2019,

41 Image_1.JPEG. 2019,

40 Table_1.XLSX. 2019,

39 Table_2.XLSX. 2019,

38 Table_3.XLSX. 2019,

37 DataSheet_1.xlsx. 2020,

36 Transcriptomic Insights into the Diversity and Evolution of Myxozoa (Cnidaria, Endocnidozoa) Toxin-like Proteins. *Marine Drugs*, 2022, 20, 291 6 0

35 Evolution, expression patterns and distribution of novel ribbon worm predatory and defensive toxins.. *Molecular Biology and Evolution*, 2022, 8.3 0

34 Convergent evolution of toxin resistance in animals.. *Biological Reviews*, 2022, 13.5 4

33 Age-dependent genetic architecture across ontogeny of body size in sticklebacks.. *Proceedings of the Royal Society B: Biological Sciences*, 2022, 289, 20220352 4.4

32 Venomics of the Central European Myrmicine Ants *Myrmica rubra* and *Myrmica ruginodis*. *Toxins*, 2022, 14, 358 4.9 1

31 A new, widespread venomous mammal species: hemolytic activity of *Sorex araneus* venom is similar to that of *Neomys fodiens* venom. *Zoological Letters*, 2022, 8, 3 0

30 Contextual Constraints: Dynamic Evolution of Snake Venom Phospholipase A2. *Toxins*, 2022, 14, 420 4.9 0

29 Molecular Characterization of Kunitz-Type Protease Inhibitors from Blister Beetles (Coleoptera, Meloidae). *Biomolecules*, 2022, 12, 988 5.9

28 Bioactive Peptides and Proteins from Centipede Venoms. *Molecules*, 2022, 27, 4423 4.8 1

- 27 Envenoming by a Marine Blood Worm (Glycera). *Toxins*, **2022**, 14, 495 4.9
- 26 The Target Selects the Toxin: Specific Amino Acids in Snake-Prey Nicotinic Acetylcholine Receptors That Are Selectively Bound by King Cobra Venoms. **2022**, 14, 528
- 25 Discovery of Novel Bilaterian Signaling Peptides Using Cone Snail Toxins.
- 24 Characterization of the RACK1 gene of *Aips cerana cerana* and its role in adverse environmental stresses. **2022**, 110796
- 23 Genomic Perspectives. **2022**, 207-268
- 22 Somnolence, vomiting, and abdominal pain after centipede bite: a case report. 1-2
- 21 Origin and Early Diversification of the Enigmatic Squamate Venom Cocktail. **2022**, 248-268 1
- 20 CAP superfamily proteins from venomous animals: Who we are and what to do?. **2022**, 221, 691-702 0
- 19 Diverse and Dynamic Alpha-Neurotoxicity Within Venoms from the Palearctic Viperid Snake Clade of *Daboia*, *Macrovipera*, *Montivipera*, and *Vipera*. 0
- 18 Screening of Phytochemicals Against Snake Venom Metalloproteinase: Molecular Docking and Simulation Based Computational Approaches. **2022**, 13, 76-84 0
- 17 Evaluation and diagnosis of mast cell-associated disorders. **2022**, 579-626 0
- 16 How a tarantula can help treat infections: *Avicularia juruensis* theraphotoxins that also act as antimicrobials. 0
- 15 Never, Ever Make an Enemy Out of an Anemone: Transcriptomic Comparison of Clownfish Hosting Sea Anemone Venoms. **2022**, 20, 730 0
- 14 The Pharmacological Potential of Novel Melittin Variants from the Honeybee and Solitary Bees against Inflammation and Cancer. **2022**, 14, 818 1
- 13 Spatial Venomics-Cobra Venom System Reveals Spatial Differentiation of Snake Toxins by Mass Spectrometry Imaging. 1
- 12 Extreme Procoagulant Potency in Human Plasma of Venoms from the African Viperid Genera *Atheris*, *Cerastes*, and *Proatheris* and the Relative Efficacy of Antivenoms and Synthetic Enzyme-Inhibitors. **2022**, 14, 836 0
- 11 The Fast and the Furriest: Investigating the Rate of Selection on Mammalian Toxins. **2022**, 14, 842 0
- 10 The Sea Anemone Neurotoxins Modulating Sodium Channels: An Insight at Structure and Functional Activity after Four Decades of Investigation. **2023**, 15, 8 1

- 9 Domain loss enables evolution of novel functions in a gene superfamily, including snake 3-finger toxins. ○
- 8 Animal toxins: As an alternative therapeutic target following ischemic stroke condition. **2023**, 121365 ○
- 7 Mapping interaction between big spaces; active space from protein structure and available chemical space. **2023**, 299-332 ○
- 6 Venomous Noodles: evolution of toxins in Nemertea through positive selection and gene duplication. ○
- 5 Proteomic analysis of the mandibular glands from the Chinese crocodile lizard, *Shinisaurus crocodilurus* [Another venomous lizard?]. **2023**, 225, 107050 ○
- 4 A bivalent remipede toxin promotes calcium release via ryanodine receptor activation. **2023**, 14, ○
- 3 In Vitro Anti-Venom Potentials of Aqueous Extract and Oils of *Toona ciliata* M. Roem against Cobra Venom and Chemical Constituents of Oils. **2023**, 28, 3089 ○
- 2 Genomic and transcriptomic analyses support a silk gland origin of spider venom glands. **2023**, 21, ○
- 1 Animal Toxins. **2023**, 547-628 ○