

# Juan Calvete

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/12611/juan-calvete-publications-by-year.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. 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.

416  
papers

19,178  
citations

74  
h-index

110  
g-index

465  
ext. papers

21,039  
ext. citations

4  
avg, IF

6.82  
L-index

#	Paper	IF	Citations
416	Analytical strategies in venomics. <i>Microchemical Journal</i> , <b>2022</b> , 175, 107187	4.8	0
415	Interpopulational variation and ontogenetic shift in the venom composition of Lataste's viper ( <i>Vipera latastei</i> , Bosc 1878) from northern Portugal.. <i>Journal of Proteomics</i> , <b>2022</b> , 104613	3.9	0
414	Combined Molecular and Elemental Mass Spectrometry Approaches for Absolute Quantification of Proteomes: Application to the Venomics Characterization of the Two Species of Desert Black Cobras, and. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 5064-5078	5.6	1
413	Seminal Plasma: Relevant for Fertility?. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	13
412	What's in a mass?. <i>Biochemical Society Transactions</i> , <b>2021</b> , 49, 1027-1037	5.1	2
411	Reptile Venom Disintegrins <b>2021</b> , 211-224		
410	Present and Future of Snake Venom Proteomics Profiling <b>2021</b> , 19-28		0
409	Comparative venomics and preclinical efficacy evaluation of a monospecific Hemachatus antivenom towards sub-Saharan Africa cobra venoms. <i>Journal of Proteomics</i> , <b>2021</b> , 240, 104196	3.9	3
408	Mutual enlightenment: A toolbox of concepts and methods for integrating evolutionary and clinical toxinology via snake venomics and the contextual stance. <i>Toxicon: X</i> , <b>2021</b> , 9-10, 100070	2.6	8
407	The earless monitor lizard <i>Lanthanotus borneensis</i> - A venomous animal?. <i>Toxicon</i> , <b>2021</b> , 189, 73-78	2.8	0
406	Convergent evolution of pain-inducing defensive venom components in spitting cobras. <i>Science</i> , <b>2021</b> , 371, 386-390	33.3	30
405	Antivenomics and in vivo preclinical efficacy of six Latin American antivenoms towards south-western Colombian <i>Bothrops asper</i> lineage venoms. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009073	4.8	5
404	Venomics of the poorly studied hognosed pitvipers <i>Porthidium arcossae</i> and <i>Porthidium volcanicum</i> . <i>Journal of Proteomics</i> , <b>2021</b> , 249, 104379	3.9	0
403	Preclinical validation of a repurposed metal chelator as an early-intervention therapeutic for hemotoxic snakebite. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	34
402	Comparative characterization of Viperidae snake venoms from Peru reveals two compositional patterns of phospholipase A expression. <i>Toxicon: X</i> , <b>2020</b> , 7, 100044	2.6	10
401	Venomics and biochemical analysis of the black-tailed horned pitviper, <i>Mixcoatlus melanurus</i> , and characterization of Melanurutoxin, a novel crotoxin homolog. <i>Journal of Proteomics</i> , <b>2020</b> , 225, 103865	3.9	4
400	Isolation and characterization of cytotoxic and insulin-releasing components from the venom of the black-necked spitting cobra (Elapidae). <i>Toxicon: X</i> , <b>2020</b> , 6, 100030	2.6	8

399	The molecular basis of venom resistance in a rattlesnake-squirrel predator-prey system. <i>Molecular Ecology</i> , <b>2020</b> , 29, 2871-2888	5.7	12
398	Venomomics of the Duvernoy® gland secretion of the false coral snake <i>Rhinobothryum bovallii</i> (Andersson, 1916) and assessment of venom lethality towards synapsid and diapsid animal models. <i>Journal of Proteomics</i> , <b>2020</b> , 225, 103882	3.9	4
397	Comparative proteomic profiling and functional characterization of venom pooled from captive <i>Crotalus durissus terrificus</i> specimens and the Brazilian crotalic reference venom. <i>Toxicon</i> , <b>2020</b> , 185, 26-35	2.8	2
396	Venomomics and antivenomics of the poorly studied Brazil® lancehead, (Hoge, 1954), from the Brazilian State of Pará. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , <b>2020</b> , 26, e20190103	2.2	7
395	Venom variation in <i>Bothrops asper</i> lineages from North-Western South America. <i>Journal of Proteomics</i> , <b>2020</b> , 229, 103945	3.9	8
394	Danger in the Canopy. Comparative Proteomics and Bioactivities of the Venoms of the South American Palm Pit Viper Subspecies and Antivenomics of (Rondônia) Venom against the Brazilian Pentabothropic Antivenom. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 3518-3532	5.6	7
393	Dagestan blunt-nosed viper, (Dwigubsky, 1832), venom. Venomomics, antivenomics, and neutralization assays of the lethal and toxic venom activities by anti- and anti- antivenoms. <i>Toxicon: X</i> , <b>2020</b> , 6, 100035	2.6	6
392	Comparative venomomics of Brazilian coral snakes: <i>Micrurus frontalis</i> , <i>Micrurus spixii spixii</i> , and <i>Micrurus surinamensis</i> . <i>Toxicon</i> , <b>2019</b> , 166, 39-45	2.8	10
391	When one phenotype is not enough: divergent evolutionary trajectories govern venom variation in a widespread rattlesnake species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 286, 20182735	4.1	39
390	New insights into the phylogeographic distribution of the 3FTx/PLA venom dichotomy across genus <i>Micrurus</i> in South America. <i>Journal of Proteomics</i> , <b>2019</b> , 200, 90-101	3.9	20
389	Venom from Russia: Venomomics, Bioactivities and Preclinical Assessment of Microgen Antivenom. <i>Toxins</i> , <b>2019</b> , 11,	4.9	19
388	Phylovenomics of <i>Daboia russelii</i> across the Indian subcontinent. Bioactivities and comparative in vivo neutralization and in vitro third-generation antivenomics of antivenoms against venoms from India, Bangladesh and Sri Lanka. <i>Journal of Proteomics</i> , <b>2019</b> , 207, 103443	3.9	47
387	Snake venomomics at the crossroads between ecological and clinical toxinology. <i>Biochemist</i> , <b>2019</b> , 41, 28-33.	3.5	5
386	The Harderian gland transcriptomes of <i>Caraiba andreae</i> , <i>Cubophis cantherigerus</i> and <i>Tretanorhinus variabilis</i> , three colubroid snakes from Cuba. <i>Genomics</i> , <b>2019</b> , 111, 1720-1727	4.3	4
385	Third-generation antivenomics analysis of the preclinical efficacy of Bothrofav® antivenom towards venom. <i>Toxicon: X</i> , <b>2019</b> , 1, 100004	2.6	0
384	Enhanced Universal Quantification of Biomolecules Using Element MS and Generic Standards: Application to Intact Protein and Phosphoprotein Determination. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 1105-1112	7.8	6
383	Defining the pathogenic threat of envenoming by South African shield-nosed and coral snakes (genus <i>Aspidelaps</i> ), and revealing the likely efficacy of available antivenom. <i>Journal of Proteomics</i> , <b>2019</b> , 198, 186-198	3.9	16
382	The paraspecific neutralisation of snake venom induced coagulopathy by antivenoms. <i>Communications Biology</i> , <b>2018</b> , 1, 34	6.7	59

381	Transcriptomics-guided bottom-up and top-down venomomics of neonate and adult specimens of the arboreal rear-fanged Brown Treesnake, <i>Boiga irregularis</i> , from Guam. <i>Journal of Proteomics</i> , <b>2018</b> , 174, 71-84	3.9	36
380	Toxin-resolved antivenomics-guided assessment of the immunorecognition landscape of antivenoms. <i>Toxicon</i> , <b>2018</b> , 148, 107-122	2.8	33
379	The medical threat of mamba envenoming in sub-Saharan Africa revealed by genus-wide analysis of venom composition, toxicity and antivenomics profiling of available antivenoms. <i>Journal of Proteomics</i> , <b>2018</b> , 172, 173-189	3.9	52
378	A synthetic biology approach for consistent production of plant-made recombinant polyclonal antibodies against snake venom toxins. <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 727-736	11.6	24
377	Snake venomomics - from low-resolution toxin-pattern recognition to toxin-resolved venom proteomes with absolute quantification. <i>Expert Review of Proteomics</i> , <b>2018</b> , 15, 555-568	4.2	23
376	Venom Complexity in a Pitviper Produced by Facultative Parthenogenesis. <i>Scientific Reports</i> , <b>2018</b> , 8, 11539	4.9	5
375	A novel pentameric phospholipase A myotoxin (PophPLA) from the venom of the pit viper <i>Porthidium ophryomegas</i> . <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 118, 1-8	7.9	7
374	Examination of biochemical and biological activities of <i>Bothrops jararaca</i> (Serpentes: Viperidae; Wied-Neuwied 1824) snake venom after up to 54 years of storage. <i>Toxicon</i> , <b>2018</b> , 141, 34-42	2.8	5
373	Venom gland transcriptomics and microRNA profiling of juvenile and adult yellow-bellied sea snake, <i>Hydrophis platurus</i> , from Playa del Coco (Guanacaste, Costa Rica). <i>Toxicon</i> , <b>2018</b> , 153, 96-105	2.8	8
372	Translational Venomomics: Third-Generation Antivenomics of Anti-Siamese Russell's Viper, <i>Daboia siamensis</i> , Antivenom Manufactured in Taiwan CDC Vaccine Center. <i>Tropical Medicine and Infectious Disease</i> , <b>2018</b> , 3,	3.5	13
371	What killed Karl Patterson Schmidt? Combined venom gland transcriptomic, venomomic and antivenomic analysis of the South African green tree snake (the boomslang), <i>Dispholidus typus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 814-823	4	40
370	Venomomics: integrative venom proteomics and beyond. <i>Biochemical Journal</i> , <b>2017</b> , 474, 611-634	3.8	103
369	Protein-species quantitative venomomics: looking through a crystal ball. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , <b>2017</b> , 23, 27	2.2	23
368	Strategies in Snake venomomics: aiming at an integrative view of compositional, functional, and immunological characteristics of venoms. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , <b>2017</b> , 23, 26	2.2	79
367	Absolute venomomics: Absolute quantification of intact venom proteins through elemental mass spectrometry. <i>Journal of Proteomics</i> , <b>2017</b> , 164, 33-42	3.9	34
366	Venom On-a-Chip: A Fast and Efficient Method for Comparative Venomomics. <i>Toxins</i> , <b>2017</b> , 9,	4.9	13
365	Cross-reactivity, antivenomics, and neutralization of toxic activities of <i>Lachesis</i> venoms by polyspecific and monospecific antivenoms. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005793	4.8	19
364	Snakebite envenoming. <i>Nature Reviews Disease Primers</i> , <b>2017</b> , 3, 17063	51.1	362

363	Integrated Venomics and Venom Gland Transcriptome Analysis of Juvenile and Adult Mexican Rattlesnakes <i>Crotalus simus</i> , <i>C. tzabcan</i> , and <i>C. culminatus</i> Revealed miRNA-modulated Ontogenetic Shifts. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 3370-3390	5.6	60
362	Proteomic analysis of venom variability and ontogeny across the arboreal palm-pitvipers (genus <i>Bothriechis</i> ). <i>Journal of Proteomics</i> , <b>2017</b> , 152, 1-12	3.9	37
361	Selection for higher fertility reflects in the seminal fluid proteome of modern domestic chicken. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , <b>2017</b> , 21, 27-40	2	13
360	Proteomics and antivenomics of Papuan black snake ( <i>Pseudechis papuanus</i> ) venom with analysis of its toxicological profile and the preclinical efficacy of Australian antivenoms. <i>Journal of Proteomics</i> , <b>2017</b> , 150, 201-215	3.9	17
359	Drought Tolerance in Seed Sources As Identified by Distinctive Physiological and Molecular Markers. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1202	6.2	32
358	Third Generation Antivenomics: Pushing the Limits of the In Vitro Preclinical Assessment of Antivenoms. <i>Toxins</i> , <b>2017</b> , 9,	4.9	33
357	Preclinical Evaluation of the Efficacy of Antivenoms for Snakebite Envenoming: State-of-the-Art and Challenges Ahead. <i>Toxins</i> , <b>2017</b> , 9,	4.9	70
356	Combined venomics, venom gland transcriptomics, bioactivities, and antivenomics of two <i>Bothrops jararaca</i> populations from geographic isolated regions within the Brazilian Atlantic rainforest. <i>Journal of Proteomics</i> , <b>2016</b> , 135, 73-89	3.9	86
355	Venoms of <i>Micrurus coral</i> snakes: Evolutionary trends in compositional patterns emerging from proteomic analyses. <i>Toxicon</i> , <b>2016</b> , 122, 7-25	2.8	62
354	Top-down venomics of the East African green mamba, <i>Dendroaspis angusticeps</i> , and the black mamba, <i>Dendroaspis polylepis</i> , highlight the complexity of their toxin arsenals. <i>Journal of Proteomics</i> , <b>2016</b> , 146, 148-64	3.9	52
353	Identification of the major proteins present in the seminal plasma of European eel, and how hormonal treatment affects their evolution. Correlation with sperm quality. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2016</b> , 201, 37-45	2.6	1
352	Distribution of RPTLN Genes Across Reptilia: Hypothesized Role for RPTLN in the Evolution of SVMPs. <i>Integrative and Comparative Biology</i> , <b>2016</b> , 56, 989-1003	2.8	7
351	Characterization of a novel snake venom component: Kazal-type inhibitor-like protein from the arboreal pitviper <i>Bothriechis schlegelii</i> . <i>Biochimie</i> , <b>2016</b> , 125, 83-90	4.6	11
350	Ecological proteomics: is the field ripe for integrating proteomics into evolutionary ecology research?. <i>Journal of Proteomics</i> , <b>2016</b> , 135, 1-3	3.9	17
349	Is Hybridization a Source of Adaptive Venom Variation in Rattlesnakes? A Test, Using a <i>Crotalus scutulatus viridis</i> Hybrid Zone in Southwestern New Mexico. <i>Toxins</i> , <b>2016</b> , 8,	4.9	20
348	Insights into the Evolution of a Snake Venom Multi-Gene Family from the Genomic Organization of <i>Echis ocellatus</i> SVMP Genes. <i>Toxins</i> , <b>2016</b> , 8,	4.9	14
347	Novel Catalytically-Inactive PII Metalloproteinases from a Viperid Snake Venom with Substitutions in the Canonical Zinc-Binding Motif. <i>Toxins</i> , <b>2016</b> , 8,	4.9	5
346	Venomic Analysis of the Poorly Studied Desert Coral Snake, <i>Micrurus tschudii tschudii</i> , Supports the 3FTx/PLAIDichotomy across <i>Micrurus</i> Venoms. <i>Toxins</i> , <b>2016</b> , 8,	4.9	34

345	Preclinical evaluation of three polyspecific antivenoms against the venom of <i>Echis ocellatus</i> : Neutralization of toxic activities and antivenomics. <i>Toxicon</i> , <b>2016</b> , 119, 280-8	2.8	24
344	Elemental Mass Spectrometry for Absolute Intact Protein Quantification without Protein-Specific Standards: Application to Snake Venomics. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9699-9706	7.8	41
343	Tissue localization and extracellular matrix degradation by PI, PII and PIII snake venom metalloproteinases: clues on the mechanisms of venom-induced hemorrhage. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003731	4.8	64
342	Venom Proteomics of Indonesian King Cobra, <i>Ophiophagus hannah</i> : Integrating Top-Down and Bottom-Up Approaches. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2539-56	5.6	76
341	Anti-angiogenic activities of snake venom CRISP isolated from <i>Echis carinatus</i> sochureki. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2015</b> , 1850, 1169-79	4	17
340	Comparative venomomics of the Prairie Rattlesnake ( <i>Crotalus viridis viridis</i> ) from Colorado: Identification of a novel pattern of ontogenetic changes in venom composition and assessment of the immunoreactivity of the commercial antivenom CroFab®. <i>Journal of Proteomics</i> , <b>2015</b> , 121, 28-43	3.9	48
339	Evaluation of the preclinical efficacy of four antivenoms, distributed in sub-Saharan Africa, to neutralize the venom of the carpet viper, <i>Echis ocellatus</i> , from Mali, Cameroon, and Nigeria. <i>Toxicon</i> , <b>2015</b> , 106, 97-107	2.8	21
338	Constructing comprehensive venom proteome reference maps for integrative venomomics. <i>Expert Review of Proteomics</i> , <b>2015</b> , 12, 557-73	4.2	55
337	The proteome quest to understand biology and disease (HUPO 2014). <i>Journal of Proteomics</i> , <b>2015</b> , 127, 223-4	3.9	
336	Snake venomomics of <i>Micrurus alleni</i> and <i>Micrurus mosquitensis</i> from the Caribbean region of Costa Rica reveals two divergent compositional patterns in New World elapids. <i>Toxicon</i> , <b>2015</b> , 107, 217-33	2.8	48
335	Quaternary structure of <i>Dioclea grandiflora</i> lectin assessed by equilibrium sedimentation and crystallographic analysis of recombinant mutants. <i>FEBS Letters</i> , <b>2015</b> , 589, 2290-6	3.8	9
334	Arid environments: Opportunities for studying co-evolutionary patterns of scorpion venoms in predator-prey systems. <i>Journal of Arid Environments</i> , <b>2015</b> , 112, 165-169	2.5	3
333	NMR structure of bitistatin B, a missing piece in the evolutionary pathway of snake venom disintegrins. <i>FEBS Journal</i> , <b>2015</b> , 282, 341-60	5.7	16
332	Venomomics and antivenomics of <i>Bothrops erythromelas</i> from five geographic populations within the Caatinga ecoregion of northeastern Brazil. <i>Journal of Proteomics</i> , <b>2015</b> , 114, 93-114	3.9	37
331	A Call for Incorporating Social Research in the Global Struggle against Snakebite. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003960	4.8	24
330	First crotoxin-like phospholipase A(2) complex from a New World non-rattlesnake species: nigroviriditoxin, from the arboreal Neotropical snake <i>Bothriechis nigroviridis</i> . <i>Toxicon</i> , <b>2015</b> , 93, 144-54	2.8	21
329	Snake Venomomics and Antivenomics of <i>Bothrops diporus</i> , a Medically Important Pitviper in Northeastern Argentina. <i>Toxins</i> , <b>2015</b> , 8,	4.9	17
328	Understanding structural and functional aspects of PII snake venom metalloproteinases: characterization of BlatH1, a hemorrhagic dimeric enzyme from the venom of <i>Bothriechis lateralis</i> . <i>Biochimie</i> , <b>2014</b> , 101, 145-55	4.6	20

327	Venomous snakes of Costa Rica: biological and medical implications of their venom proteomic profiles analyzed through the strategy of snake venomomics. <i>Journal of Proteomics</i> , <b>2014</b> , 105, 323-39	3.9	80
326	Immunological profile of antivenoms: preclinical analysis of the efficacy of a polyspecific antivenom through antivenomics and neutralization assays. <i>Journal of Proteomics</i> , <b>2014</b> , 105, 340-50	3.9	57
325	Venomomics of New World pit vipers: genus-wide comparisons of venom proteomes across Agkistrodon. <i>Journal of Proteomics</i> , <b>2014</b> , 96, 103-16	3.9	84
324	Medically important differences in snake venom composition are dictated by distinct postgenomic mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 9205-10	11.5	177
323	Preclinical efficacy of Australian antivenoms against the venom of the small-eyed snake, <i>Micropechis ikaheka</i> , from Papua New Guinea: an antivenomics and neutralization study. <i>Journal of Proteomics</i> , <b>2014</b> , 110, 198-208	3.9	12
322	Inhibitory effects of recombinant RTS-jerdostatin on integrin $\alpha 5 \beta 1$ function during adhesion, migration and proliferation of rat aortic smooth muscle cells and angiogenesis. <i>Toxicon</i> , <b>2014</b> , 79, 45-54	2.8	9
321	Characterization and cDNA sequence of <i>Bothriechis schlegelii</i> -l-amino acid oxidase with antibacterial activity. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 69, 200-7	7.9	8
320	Combined venom gland cDNA sequencing and venomomics of the New Guinea small-eyed snake, <i>Micropechis ikaheka</i> . <i>Journal of Proteomics</i> , <b>2014</b> , 110, 209-29	3.9	18
319	Next-generation snake venomomics: protein-locus resolution through venom proteome decomplexation. <i>Expert Review of Proteomics</i> , <b>2014</b> , 11, 315-29	4.2	87
318	A multicomponent strategy to improve the availability of antivenom for treating snakebite envenoming. <i>Bulletin of the World Health Organization</i> , <b>2014</b> , 92, 526-32	8.2	42
317	Isolation and characterization of four medium-size disintegrins from the venoms of Central American viperid snakes of the genera <i>Atropoides</i> , <i>Bothrops</i> , <i>Cerrophidion</i> and <i>Crotalus</i> . <i>Biochimie</i> , <b>2014</b> , 107 Pt B, 376-84	4.6	8
316	Omics meets biology: application to the design and preclinical assessment of antivenoms. <i>Toxins</i> , <b>2014</b> , 6, 3388-405	4.9	44
315	Two color morphs of the pelagic yellow-bellied sea snake, <i>Pelamis platura</i> , from different locations of Costa Rica: snake venomomics, toxicity, and neutralization by antivenom. <i>Journal of Proteomics</i> , <b>2014</b> , 103, 137-52	3.9	36
314	Peptides with in vitro anti-tumor activity from the venom of the Eastern green mamba, <i>Dendroaspis angusticeps</i> (Elapidae). <i>Journal of Venom Research</i> , <b>2014</b> , 5, 16-21	0.6	6
313	The expanding universe of mass analyzer configurations for biological analysis. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1072, 61-81	1.4	7
312	Protein profile of <i>Lupinus texensis</i> phloem sap exudates: searching for Fe- and Zn-containing proteins. <i>Proteomics</i> , <b>2013</b> , 13, 2283-96	4.8	20
311	Snake venomomics of <i>Lachesis muta rhombeata</i> and genus-wide antivenomics assessment of the paraspecific immunoreactivity of two antivenoms evidence the high compositional and immunological conservation across <i>Lachesis</i> . <i>Journal of Proteomics</i> , <b>2013</b> , 89, 112-23	3.9	47
310	Integrated "omics" profiling indicates that miRNAs are modulators of the ontogenetic venom composition shift in the Central American rattlesnake, <i>Crotalus simus simus</i> . <i>BMC Genomics</i> , <b>2013</b> , 14, 234	4.5	137

309	PIVL, a new serine protease inhibitor from <i>Macrovipera lebetina transmediterranea</i> venom, impairs motility of human glioblastoma cells. <i>Matrix Biology</i> , <b>2013</b> , 32, 52-62	11.4	41
308	Amino acid sequence and biological characterization of BlatPLA $\alpha$ non-toxic acidic phospholipase AII from the venom of the arboreal snake <i>Bothriechis lateralis</i> from Costa Rica. <i>Toxicon</i> , <b>2013</b> , 73, 71-80	2.8	18
307	The king cobra genome reveals dynamic gene evolution and adaptation in the snake venom system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 20651-6	11.5	344
306	Preclinical assessment of a polyspecific antivenom against the venoms of <i>Cerrophidion sasai</i> , <i>Porthidium nasutum</i> and <i>Porthidium ophryomegas</i> : Insights from combined antivenomics and neutralization assays. <i>Toxicon</i> , <b>2013</b> , 64, 60-9	2.8	17
305	The continuing saga of snake venom disintegrins. <i>Toxicon</i> , <b>2013</b> , 62, 40-9	2.8	75
304	Cloning and characterization of an antibacterial L-amino acid oxidase from <i>Crotalus durissus cumanensis</i> venom. <i>Toxicon</i> , <b>2013</b> , 64, 1-11	2.8	29
303	Snake venomomics: from the inventory of toxins to biology. <i>Toxicon</i> , <b>2013</b> , 75, 44-62	2.8	146
302	Assessing the preclinical efficacy of antivenoms: from the lethality neutralization assay to antivenomics. <i>Toxicon</i> , <b>2013</b> , 69, 168-79	2.8	54
301	Cytotoxic activities of [Ser] $\alpha$ phospholipase AII from the venom of the saw-scaled vipers <i>Echis ocellatus</i> , <i>Echis pyramidum leakeyi</i> , <i>Echis carinatus sochureki</i> , and <i>Echis coloratus</i> . <i>Toxicon</i> , <b>2013</b> , 71, 96-104	2.8	19
300	Identification of inhibitors of $\beta_1$ integrin, members of C-lectin type proteins, in <i>Echis sochureki</i> venom. <i>Toxicology and Applied Pharmacology</i> , <b>2013</b> , 269, 34-42	4.6	15
299	The need for full integration of snakebite envenoming within a global strategy to combat the neglected tropical diseases: the way forward. <i>PLoS Neglected Tropical Diseases</i> , <b>2013</b> , 7, e2162	4.8	94
298	Phylogeny-based comparative analysis of venom proteome variation in a clade of rattlesnakes ( <i>Sistrurus</i> sp.). <i>PLoS ONE</i> , <b>2013</b> , 8, e67220	3.7	55
297	New approaches & technologies of venomomics to meet the challenge of human envenoming by snakebites in India. <i>Indian Journal of Medical Research</i> , <b>2013</b> , 138, 38-59	2.9	34
296	Snake venomomics of the pit vipers <i>Porthidium nasutum</i> , <i>Porthidium ophryomegas</i> , and <i>Cerrophidion godmani</i> from Costa Rica: toxicological and taxonomical insights. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 1675-839	3.9	40
295	Venomomics and antivenomics profiles of North African <i>Cerastes cerastes</i> and <i>C. vipera</i> populations reveals a potentially important therapeutic weakness. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 2442-53	3.9	40
294	Snake venomomics of <i>Macrovipera mauritanica</i> from Morocco, and assessment of the para-specific immunoreactivity of an experimental monospecific and a commercial antivenoms. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 2431-41	3.9	24
293	Venom variability and envenoming severity outcomes of the <i>Crotalus scutulatus scutulatus</i> (Mojave rattlesnake) from Southern Arizona. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 2576-87	3.9	109
292	Combined snake venomomics and venom gland transcriptomic analysis of <i>Bothropoides pauloensis</i> . <i>Journal of Proteomics</i> , <b>2012</b> , 75, 2707-20	3.9	57



291	Substrate specificity of the <i>Chamaerops excelsa</i> palm tree peroxidase. A steady-state kinetic study. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2012</b> , 74, 103-108		10
290	Snake venomics and toxicological profiling of the arboreal pitviper <i>Bothriechis supraciliaris</i> from Costa Rica. <i>Toxicon</i> , <b>2012</b> , 59, 592-9	2.8	29
289	First draft of the genomic organization of a PIII-SVMP gene. <i>Toxicon</i> , <b>2012</b> , 60, 455-69	2.8	12
288	Second generation snake antivenomics: comparing immunoaffinity and immunodepletion protocols. <i>Toxicon</i> , <b>2012</b> , 60, 688-99	2.8	86
287	Recombinant expression of mutants of the Frankenstein disintegrin, RTS-ocellatusin. Evidence for the independent origin of RGD and KTS/RTS disintegrins. <i>Toxicon</i> , <b>2012</b> , 60, 665-75	2.8	13
286	Snake venomics across genus <i>Lachesis</i> . Ontogenetic changes in the venom composition of <i>Lachesis stenophrys</i> and comparative proteomics of the venoms of adult <i>Lachesis melanocephala</i> and <i>Lachesis acrochorda</i> . <i>Journal of Proteomics</i> , <b>2012</b> , 77, 280-97	3.9	58
285	Snake venomics and antivenomics of <i>Protobothrops mucrosquamatus</i> and <i>Viridovipera stejnegeri</i> from Taiwan: keys to understand the variable immune response in horses. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 5628-45	3.9	53
284	Snake venomics of <i>Crotalus tigris</i> : the minimalist toxin arsenal of the deadliest Nearctic rattlesnake venom. Evolutionary Clues for generating a pan-specific antivenom against crotalid type II venoms [corrected]. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 1382-90	5.6	49
283	Resurrexit, sicut dixit, alleluia. Snake venomics from a 26-year old polyacrylamide focusing gel. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 1074-8	3.9	6
282	Comparative proteomic analysis of the venom of the taipan snake, <i>Oxyuranus scutellatus</i> , from Papua New Guinea and Australia: role of neurotoxic and procoagulant effects in venom toxicity. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 2128-40	3.9	54
281	Snake venomics of two poorly known Hydrophiinae: Comparative proteomics of the venoms of terrestrial <i>Toxicocalamus longissimus</i> and marine <i>Hydrophis cyanocinctus</i> . <i>Journal of Proteomics</i> , <b>2012</b> , 75, 4091-101	3.9	51
280	Unusual stability of messenger RNA in snake venom reveals gene expression dynamics of venom replenishment. <i>PLoS ONE</i> , <b>2012</b> , 7, e41888	3.7	30
279	Identification of new snake venom metalloproteinase inhibitors using compound screening and rational Peptide design. <i>ACS Medicinal Chemistry Letters</i> , <b>2012</b> , 3, 540-3	4.3	17
278	Comparative study of the cytolytic activity of snake venoms from African spitting cobras ( <i>Naja</i> spp., Elapidae) and its neutralization by a polyspecific antivenom. <i>Toxicon</i> , <b>2011</b> , 58, 558-64	2.8	34
277	Proteomic analysis of ontogenetic and diet-related changes in venom composition of juvenile and adult Dusky Pigmy rattlesnakes ( <i>Sistrurus miliarius barbouri</i> ). <i>Journal of Proteomics</i> , <b>2011</b> , 74, 2169-79	3.9	78
276	Quality of boar spermatozoa from the sperm-peak portion of the ejaculate after simplified freezing in MiniFlatpacks compared to the remaining spermatozoa of the sperm-rich fraction. <i>Theriogenology</i> , <b>2011</b> , 75, 1175-84	2.8	22
275	Proteomic tools against the neglected pathology of snake bite envenoming. <i>Expert Review of Proteomics</i> , <b>2011</b> , 8, 739-58	4.2	141
274	Protein composition of seminal plasma in fractionated stallion ejaculates. <i>Reproduction in Domestic Animals</i> , <b>2011</b> , 46, e79-84	1.6	22

273	Seminal plasma proteins: what role do they play?. <i>American Journal of Reproductive Immunology</i> , <b>2011</b> , 66 Suppl 1, 11-22	3.8	229
272	Crystal structure of the zinc-, cobalt-, and iron-containing adenylate kinase from <i>Desulfovibrio gigas</i> : a novel metal-containing adenylate kinase from Gram-negative bacteria. <i>Journal of Biological Inorganic Chemistry</i> , <b>2011</b> , 16, 51-61	3.7	8
271	Profiling the venom gland transcriptomes of Costa Rican snakes by 454 pyrosequencing. <i>BMC Genomics</i> , <b>2011</b> , 12, 259	4.5	84
270	NMR structure and dynamics of recombinant wild type and mutated jerdostatin, a selective inhibitor of integrin $\alpha 1$ . <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2011</b> , 79, 2530-42	4.2	10
269	Snake venomomics of African spitting cobras: toxin composition and assessment of congeneric cross-reactivity of the pan-African EchiTAB-Plus-ICP antivenom by antivenomics and neutralization approaches. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 1266-80	5.6	151
268	Venomic and antivenomic analyses of the Central American coral snake, <i>Micrurus nigrocinctus</i> (Elapidae). <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 1816-27	5.6	86
267	Snake population venomomics and antivenomics of <i>Bothrops atrox</i> : Paedomorphism along its transamazonian dispersal and implications of geographic venom variability on snakebite management. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 510-27	3.9	158
266	Snake venomomics and venom gland transcriptomic analysis of Brazilian coral snakes, <i>Micrurus altirostris</i> and <i>M. corallinus</i> . <i>Journal of Proteomics</i> , <b>2011</b> , 74, 1795-809	3.9	111
265	Ending the drought: new strategies for improving the flow of affordable, effective antivenoms in Asia and Africa. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 1735-67	3.9	161
264	Proteomics in Venom Research: a Focus on PLA2 Molecules. <i>Acta Chimica Slovenica</i> , <b>2011</b> , 58, 629-37	1.9	11
263	Antivenomic assessment of the immunological reactivity of EchiTAB-Plus-ICP, an antivenom for the treatment of snakebite envenoming in sub-Saharan Africa. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2010</b> , 82, 1194-201	3.2	41
262	Snake venomomics of <i>Bothriechis nigroviridis</i> reveals extreme variability among palm pitviper venoms: different evolutionary solutions for the same trophic purpose. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 4234-41	5.6	53
261	Preclinical assessment of the efficacy of a new antivenom (EchiTAB-Plus-ICP) for the treatment of viper envenoming in sub-Saharan Africa. <i>Toxicon</i> , <b>2010</b> , 55, 369-74	2.8	52
260	Antivenomics and venom phenotyping: A marriage of convenience to address the performance and range of clinical use of antivenoms. <i>Toxicon</i> , <b>2010</b> , 56, 1284-91	2.8	52
259	Isolation and biological characterization of Batx-I, a weak hemorrhagic and fibrinogenolytic PI metalloproteinase from Colombian <i>Bothrops atrox</i> venom. <i>Toxicon</i> , <b>2010</b> , 56, 936-43	2.8	40
258	Recombinant expression in human cells of active integrin alpha 1 beta 1-blocking RTS-disintegrin jerdostatin. <i>Toxicon</i> , <b>2010</b> , 56, 1052-8	2.8	11
257	Snake venomomics of the Central American rattlesnake <i>Crotalus simus</i> and the South American <i>Crotalus durissus</i> complex points to neurotoxicity as an adaptive paedomorphic trend along <i>Crotalus</i> dispersal in South America. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 528-44	5.6	188
256	Crystal structure and statistical coupling analysis of highly glycosylated peroxidase from royal palm tree ( <i>Roystonea regia</i> ). <i>Journal of Structural Biology</i> , <b>2010</b> , 169, 226-42	3.4	40

255	Isolation of an acidic phospholipase A2 from the venom of the snake <i>Bothrops asper</i> of Costa Rica: biochemical and toxicological characterization. <i>Biochimie</i> , <b>2010</b> , 92, 273-83	4.6	63
254	Snake Venomics, Antivenomics, and Venom Phenotyping: The Mhage $\square$ trois of Proteomic Tools Aimed at Understanding the Biodiversity of Venoms <b>2010</b> , 45-72		9
253	Impact of regional variation in <i>Bothrops asper</i> snake venom on the design of antivenoms: integrating antivenomics and neutralization approaches. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 564-77	5.6	59
252	Brief History and Molecular Determinants of Snake Venom Disintegrin Evolution <b>2010</b> , 285-300		11
251	Spermadhesin PSP-I/PSP-II heterodimer induces migration of polymorphonuclear neutrophils into the uterine cavity of the sow. <i>Journal of Reproductive Immunology</i> , <b>2010</b> , 84, 57-65	4.2	43
250	Exploring the venom proteome of the African puff adder, <i>Bitis arietans</i> , using a combinatorial peptide ligand library approach at different pHs. <i>Journal of Proteomics</i> , <b>2010</b> , 73, 932-42	3.9	35
249	Snake venomics and antivenomics of <i>Crotalus durissus</i> subspecies from Brazil: assessment of geographic variation and its implication on snakebite management. <i>Journal of Proteomics</i> , <b>2010</b> , 73, 1758-76	3.9	127
248	Effect of VP12 and viperistatin on inhibition of collagen-receptor-dependent melanoma metastasis. <i>Cancer Biology and Therapy</i> , <b>2009</b> , 8, 1507-16	4.6	47
247	Mitochondrial and nuclear localization of a novel pea thioredoxin: identification of its mitochondrial target proteins. <i>Plant Physiology</i> , <b>2009</b> , 150, 646-57	6.6	73
246	Proteomic analysis of phosphorylated nuclear proteins underscores novel roles for rapid actions of retinoic acid in the regulation of mRNA splicing and translation. <i>Molecular Endocrinology</i> , <b>2009</b> , 23, 1799-814		15
245	Venoms, venomics, antivenomics. <i>FEBS Letters</i> , <b>2009</b> , 583, 1736-43	3.8	253
244	Snake population venomics: proteomics-based analyses of individual variation reveals significant gene regulation effects on venom protein expression in <i>Sistrurus rattlesnakes</i> . <i>Journal of Molecular Evolution</i> , <b>2009</b> , 68, 113-25	3.1	73
243	PSP-I/PSP-II spermadhesin exert a decapacitation effect on highly extended boar spermatozoa. <i>Journal of Developmental and Physical Disabilities</i> , <b>2009</b> , 32, 505-13		48
242	Distinct effects of boar seminal plasma fractions exhibiting different protein profiles on the functionality of highly diluted boar spermatozoa. <i>Reproduction in Domestic Animals</i> , <b>2009</b> , 44, 200-5	1.6	24
241	Isolation and characterization of a new Cu-Fe protein from <i>Desulfovibrio aminophilus</i> DSM12254. <i>Journal of Inorganic Biochemistry</i> , <b>2009</b> , 103, 1314-22	4.2	3
240	Combined snake venomics and venom gland transcriptomic analysis of the ocellated carpet viper, <i>Echis ocellatus</i> . <i>Journal of Proteomics</i> , <b>2009</b> , 71, 609-23	3.9	108
239	Snake venomics and antivenomics of <i>Bothrops colombiensis</i> , a medically important pitviper of the <i>Bothrops atrox-asper</i> complex endemic to Venezuela: Contributing to its taxonomy and snakebite management. <i>Journal of Proteomics</i> , <b>2009</b> , 72, 227-40	3.9	65
238	Snake venomics and antivenomics: Proteomic tools in the design and control of antivenoms for the treatment of snakebite envenoming. <i>Journal of Proteomics</i> , <b>2009</b> , 72, 165-82	3.9	161

237	Snake venomics and antivenomics of Bothrops atrox venoms from Colombia and the Amazon regions of Brazil, Peru and Ecuador suggest the occurrence of geographic variation of venom phenotype by a trend towards paedomorphism. <i>Journal of Proteomics</i> , <b>2009</b> , 73, 57-78	3.9	137
236	Exploring the venom proteome of the western diamondback rattlesnake, <i>Crotalus atrox</i> , via snake venomics and combinatorial peptide ligand library approaches. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 3055-67	5.6	118
235	Exposure to the seminal plasma of different portions of the boar ejaculate modulates the survival of spermatozoa cryopreserved in MiniFlatPacks. <i>Theriogenology</i> , <b>2009</b> , 71, 662-75	2.8	57
234	Studies on the venom proteome of <i>Bothrops asper</i> : perspectives and applications. <i>Toxicon</i> , <b>2009</b> , 54, 938-48	2.8	34
233	Analysis of chronic lymphocytic leukemia transcriptomic profile: differences between molecular subgroups. <i>Leukemia and Lymphoma</i> , <b>2009</b> , 50, 68-79	1.9	17
232	Structural requirements of KTS-disintegrins for inhibition of alpha(1)beta(1) integrin. <i>Biochemical Journal</i> , <b>2009</b> , 417, 95-101	3.8	33
231	Snake Venomics and Disintegrins <b>2009</b> , 337-357		4
230	The physiological roles of the boar ejaculate. <i>Society of Reproduction and Fertility Supplement</i> , <b>2009</b> , 66, 1-21		27
229	Localization and expression of spermadhesin PSP-I/PSP-II subunits in the reproductive organs of the boar. <i>Journal of Developmental and Physical Disabilities</i> , <b>2008</b> , 31, 408-17		12
228	Mucin-type O-glycosylation in <i>Mesocestoides vogae</i> (syn. <i>corti</i> ). <i>International Journal for Parasitology</i> , <b>2008</b> , 38, 265-76	4.3	9
227	Snake venomics and antivenomics of the arboreal neotropical pitvipers <i>Bothriechis lateralis</i> and <i>Bothriechis schlegelii</i> . <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 2445-57	5.6	121
226	Major proteins of boar seminal plasma as a tool for biotechnological preservation of spermatozoa. <i>Theriogenology</i> , <b>2008</b> , 70, 1352-5	2.8	43
225	Snake venomics of the lancehead pitviper <i>Bothrops asper</i> : geographic, individual, and ontogenetic variations. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 3556-71	5.6	268
224	Thermodynamic characterization of the palm tree <i>Roystonea regia</i> peroxidase stability. <i>Biochimie</i> , <b>2008</b> , 90, 1737-49	4.6	24
223	Snake venomics of Central American pitvipers: clues for rationalizing the distinct envenomation profiles of <i>Atropoides nummifer</i> and <i>Atropoides picadoi</i> . <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 708-19	5.6	66
222	Snake venomics of the Lesser Antillean pit vipers <i>Bothrops caribbaeus</i> and <i>Bothrops lanceolatus</i> : correlation with toxicological activities and immunoreactivity of a heterologous antivenom. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 4396-408	5.6	96
221	Evolution of snake venom disintegrins by positive Darwinian selection. <i>Molecular Biology and Evolution</i> , <b>2008</b> , 25, 2391-407	8.3	115
220	<i>Staphylococcus aureus</i> pathogenicity island DNA is packaged in particles composed of phage proteins. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 2434-40	3.5	82

219	Insights into the structural basis of the pH-dependent dimer-tetramer equilibrium through crystallographic analysis of recombinant Diocleinae lectins. <i>Biochemical Journal</i> , <b>2008</b> , 409, 417-28	3.8	27
218	Isolation and characterization of a serine proteinase with thrombin-like activity from the venom of the snake <i>Bothrops asper</i> . <i>Brazilian Journal of Medical and Biological Research</i> , <b>2008</b> , 41, 12-7	2.8	28
217	Snake venomics of the South and Central American Bushmasters. Comparison of the toxin composition of <i>Lachesis muta</i> gathered from proteomic versus transcriptomic analysis. <i>Journal of Proteomics</i> , <b>2008</b> , 71, 46-60	3.9	104
216	Snake venomics of the Armenian mountain vipers <i>Macrovipera lebetina obtusa</i> and <i>Vipera raddei</i> . <i>Journal of Proteomics</i> , <b>2008</b> , 71, 198-209	3.9	77
215	Snake venomics of the Brazilian pitvipers <i>Bothrops cotiara</i> and <i>Bothrops fonsecai</i> . Identification of taxonomy markers. <i>Journal of Proteomics</i> , <b>2008</b> , 71, 473-85	3.9	59
214	A new type of metal-binding site in cobalt- and zinc-containing adenylate kinases isolated from sulfate-reducers <i>Desulfovibrio gigas</i> and <i>Desulfovibrio desulfuricans</i> ATCC 27774. <i>Journal of Inorganic Biochemistry</i> , <b>2008</b> , 102, 1380-95	4.2	16
213	Point mutations abolishing the mannose-binding capability of boar spermadhesin AQN-1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2008</b> , 1784, 856-62	4	3
212	Analysis of O-glycosylation. <i>Methods in Molecular Biology</i> , <b>2008</b> , 446, 281-92	1.4	4
211	Proteomic identification of actin-derived oligopeptides in dry-cured ham. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 3613-9	5.7	53
210	Snake venomics of <i>Bitis gabonica gabonica</i> . Protein family composition, subunit organization of venom toxins, and characterization of dimeric disintegrins bitisgabonin-1 and bitisgabonin-2. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 326-36	5.6	93
209	Snake venomics of <i>Bitis</i> species reveals large intragenus venom toxin composition variation: application to taxonomy of congeneric taxa. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 2732-45	5.6	93
208	Cryosurvival and in vitro fertilizing capacity postthaw is improved when boar spermatozoa are frozen in the presence of seminal plasma from good freezer boars. <i>Journal of Andrology</i> , <b>2007</b> , 28, 689-97		79
207	Snake venomics. Strategy and applications. <i>Journal of Mass Spectrometry</i> , <b>2007</b> , 42, 1405-14	2.2	276
206	Proteomic profiling of a snake venom using high mass detection MALDI-TOF mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2007</b> , 18, 600-6	3.5	24
205	Isolation and characterization of the main small heat shock proteins induced in tomato pericarp by thermal treatment. <i>FEBS Journal</i> , <b>2007</b> , 274, 6447-55	5.7	28
204	Loss of introns along the evolutionary diversification pathway of snake venom disintegrins evidenced by sequence analysis of genomic DNA from <i>Macrovipera lebetina transmediterranea</i> and <i>Echis ocellatus</i> . <i>Journal of Molecular Evolution</i> , <b>2007</b> , 64, 261-71	3.1	22
203	KTS and RTS-disintegrins: anti-angiogenic viper venom peptides specifically targeting the alpha 1 beta 1 integrin. <i>Current Pharmaceutical Design</i> , <b>2007</b> , 13, 2853-9	3.3	46
202	Complement regulation in murine and human hypercholesterolemia and role in the control of macrophage and smooth muscle cell proliferation. <i>Cardiovascular Research</i> , <b>2007</b> , 76, 340-50	9.9	24

201	Micro-heterogeneity and molecular assembly of the haemagglutinins from the red algae <i>Bryothamnion seaforthii</i> and <i>B. triquetrum</i> from the Caribbean Sea. <i>European Journal of Phycology</i> , <b>2007</b> , 42, 105-112	2.2	1
200	Improving the fertilizing ability of sex sorted boar spermatozoa. <i>Theriogenology</i> , <b>2007</b> , 68, 771-8	2.8	34
199	Crystal structures of <i>Cratylia floribunda</i> seed lectin at acidic and basic pHs. Insights into the structural basis of the pH-dependent dimer-tetramer transition. <i>Journal of Structural Biology</i> , <b>2007</b> , 158, 1-9	3.4	28
198	VEGF-related protein isolated from <i>Vipera palestinae</i> venom, promotes angiogenesis. <i>Growth Factors</i> , <b>2007</b> , 25, 108-17	1.6	11
197	Insights into structure-function correlations of ungulate seminal plasma proteins. <i>Society of Reproduction and Fertility Supplement</i> , <b>2007</b> , 65, 201-15		3
196	Molecular cloning of disintegrin-like transcript BA-5A from a <i>Bitis arietans</i> venom gland cDNA library: a putative intermediate in the evolution of the long-chain disintegrin bitistatin. <i>Journal of Molecular Evolution</i> , <b>2006</b> , 63, 142-52	3.1	49
195	Molecular cloning of <i>Echis ocellatus</i> disintegrins reveals non-venom-secreted proteins and a pathway for the evolution of ocellatusin. <i>Journal of Molecular Evolution</i> , <b>2006</b> , 63, 183-93	3.1	18
194	Characterizing the tick carboxypeptidase inhibitor: molecular basis for its two-domain nature. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 22906-16	5.4	16
193	Isolation and characterization of a new agglutinin from the red marine alga <i>Hypnea cervicornis</i> J. Agardh. <i>Biochemistry and Cell Biology</i> , <b>2006</b> , 84, 49-54	3.6	20
192	Immunolocalization and possible functional role of PSP-I/PSP-II heterodimer in highly extended boar spermatozoa. <i>Journal of Andrology</i> , <b>2006</b> , 27, 766-73		40
191	Dissecting the protective effect of the seminal plasma spermadhesin PSP-I/PSP-II on boar sperm functionality. <i>Journal of Andrology</i> , <b>2006</b> , 27, 434-43		37
190	Zinc ions induce the unfolding and self-association of boar spermadhesin PSP-I, a protein with a single CUB domain architecture, and promote its binding to heparin. <i>Biochemistry</i> , <b>2006</b> , 45, 8227-35	3.2	16
189	Venom proteomes of closely related <i>Sistrurus</i> rattlesnakes with divergent diets. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 2098-112	5.6	120
188	The nitrate/nitrite ABC transporter of <i>Phormidium laminosum</i> : phosphorylation state of NrtA is not involved in its substrate binding activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2006</b> , 1760, 172-81	4	12
187	Production and characterisation of recombinant forms of human pulmonary surfactant protein C (SP-C): Structure and surface activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2006</b> , 1758, 509-18	3.8	19
186	Molecular cloning of disintegrins from <i>Cerastes vipera</i> and <i>Macrovipera lebetina</i> transmediterranea venom gland cDNA libraries: insight into the evolution of the snake venom integrin-inhibition system. <i>Biochemical Journal</i> , <b>2006</b> , 395, 385-92	3.8	42
185	Analysis of porcine peripheral blood mononuclear cells proteome by 2-DE and MS: analytical and biological variability in the protein expression level and protein identification. <i>Proteomics</i> , <b>2006</b> , 6 Suppl 1, S215-25	4.8	21
184	Conformational diversity of the Goodpasture antigen, the noncollagenous-1 domain of the alpha3 chain of collagen IV. <i>Proteomics</i> , <b>2006</b> , 6 Suppl 1, S237-44	4.8	9

183	cDNA cloning and 1.75 Å crystal structure determination of PPL2, an endochitinase and N-acetylglucosamine-binding hemagglutinin from <i>Parkia platycephala</i> seeds. <i>FEBS Journal</i> , <b>2006</b> , 273, 3962-74	5.7	24
182	Analysis of B-CLL Transcriptomic and Proteomic Profiles: Differences between Molecular Subgroups.. <i>Blood</i> , <b>2006</b> , 108, 2088-2088	2.2	
181	Hydrodynamic liver gene transfer mechanism involves transient sinusoidal blood stasis and massive hepatocyte endocytic vesicles. <i>Gene Therapy</i> , <b>2005</b> , 12, 927-35	4	74
180	The first crystal structure of a Mimosoideae lectin reveals a novel quaternary arrangement of a widespread domain. <i>Journal of Molecular Biology</i> , <b>2005</b> , 353, 574-83	6.5	30
179	Boar spermatozoa in the oviduct. <i>Theriogenology</i> , <b>2005</b> , 63, 514-35	2.8	168
178	Snake venom disintegrins: evolution of structure and function. <i>Toxicon</i> , <b>2005</b> , 45, 1063-74	2.8	214
177	Conformation and concerted dynamics of the integrin-binding site and the C-terminal region of echistatin revealed by homonuclear NMR. <i>Biochemical Journal</i> , <b>2005</b> , 387, 57-66	3.8	40
176	HCA and HML isolated from the red marine algae <i>Hypnea cervicornis</i> and <i>Hypnea musciformis</i> define a novel lectin family. <i>Protein Science</i> , <b>2005</b> , 14, 2167-76	6.3	40
175	Activation of NMDA receptors induces protein kinase A-mediated phosphorylation and degradation of matrin 3. Blocking these effects prevents NMDA-induced neuronal death. <i>Journal of Neurochemistry</i> , <b>2005</b> , 94, 808-18	6	48
174	Analysis of the stability of the spermadhesin PSP-I/PSP-II heterodimer. Effects of Zn <sup>2+</sup> and acidic pH. <i>FEBS Journal</i> , <b>2005</b> , 272, 5663-70	5.7	6
173	Energetics of 5-bromo-4-chloro-3-indolyl- $\alpha$ -D-mannose binding to the <i>Parkia platycephala</i> seed lectin and its use for MAD phasing. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2005</b> , 61, 326-31		12
172	Crystallization and preliminary X-ray diffraction analysis of HML, a lectin from the red marine alga <i>Hypnea musciformis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2005</b> , 61, 997-9		5
171	Snake venomomics: comparative analysis of the venom proteomes of the Tunisian snakes <i>Cerastes cerastes</i> , <i>Cerastes vipera</i> and <i>Macrovipera lebetina</i> . <i>Proteomics</i> , <b>2005</b> , 5, 4223-35	4.8	97
170	Structure-function correlations of snake venom disintegrins. <i>Current Pharmaceutical Design</i> , <b>2005</b> , 11, 829-35	3.3	50
169	cDNA cloning and functional expression of jerdostatin, a novel RTS-disintegrin from <i>Trimeresurus jerdonii</i> and a specific antagonist of the $\alpha$ 1 $\beta$ 1 integrin. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 40714-22	5.4	33
168	Influence of seminal plasma PSP-I/PSP-II spermadhesin on pig gamete interaction. <i>Zygote</i> , <b>2005</b> , 13, 11-61.6		23
167	Characterization of the Proteomic and Genomic Profiles of Chronic Lymphocytic Leukemia Patients with Distinct Clinical Prognosis According to the Mutational Status of the IgVH and BCL6 and Expression Level of CD38 and ZAP70.. <i>Blood</i> , <b>2005</b> , 106, 3272-3272	2.2	
166	Monoclonal antibodies against the Tn-specific isolectin B4 from <i>Vicia villosa</i> seeds: characterization of the epitope of the blocking antibody VV34. <i>Hybridoma</i> , <b>2004</b> , 23, 39-44		1

165	Lebectin, a novel C-type lectin from <i>Macrovipera lebetina</i> venom, inhibits integrin-mediated adhesion, migration and invasion of human tumour cells. <i>Laboratory Investigation</i> , <b>2004</b> , 84, 573-81	5.9	33
164	Snake venomics: characterization of protein families in <i>Sistrurus barbouri</i> venom by cysteine mapping, N-terminal sequencing, and tandem mass spectrometry analysis. <i>Proteomics</i> , <b>2004</b> , 4, 327-38	4.8	101
163	Expression of a plant serine O-acetyltransferase in <i>Saccharomyces cerevisiae</i> confers osmotic tolerance and creates an alternative pathway for cysteine biosynthesis. <i>Yeast</i> , <b>2004</b> , 21, 303-12	3.4	21
162	Crystallization and preliminary X-ray diffraction analysis of the lectin from <i>Canavalia gladiata</i> seeds. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2004</b> , 60, 1493-5		11
161	Antagonists Mo and Cu in a heterometallic cluster present on a novel protein (orange protein) isolated from <i>Desulfovibrio gigas</i> . <i>Journal of Inorganic Biochemistry</i> , <b>2004</b> , 98, 833-40	4.2	31
160	Structural requirements of MLD-containing disintegrins for functional interaction with alpha 4 beta 1 and alpha 9 beta1 integrins. <i>Biochemistry</i> , <b>2004</b> , 43, 1639-47	3.2	49
159	Structural determinants of the selectivity of KTS-disintegrins for the alpha1beta1 integrin. <i>FEBS Letters</i> , <b>2004</b> , 577, 478-82	3.8	49
158	Increased protein kinase A regulatory subunit content and cGMP binding in erythrocyte membranes in liver cirrhosis. <i>Journal of Hepatology</i> , <b>2004</b> , 40, 766-73	13.4	8
157	Does seminal plasma PSP-I/PSP-II spermadhesin modulate the ability of boar spermatozoa to penetrate homologous oocytes in vitro?. <i>Journal of Andrology</i> , <b>2004</b> , 25, 1004-12		27
156	Structures of integrin domains and concerted conformational changes in the bidirectional signaling mechanism of alpha11beta3. <i>Experimental Biology and Medicine</i> , <b>2004</b> , 229, 732-44	3.7	27
155	Diocleinae Lectins: Clues to Delineate Structure/Function Correlations. <i>Principles and Practice</i> , <b>2004</b> , 81-91		
154	Proteomic Profile Study of Chronic Lymphocytic Leukemia-B Patients with IGVH and BCL6 Mutated or Unmutated Genes.. <i>Blood</i> , <b>2004</b> , 104, 961-961	2.2	1
153	Concerted motions of the integrin-binding loop and the C-terminal tail of the non-RGD disintegrin obtustatin. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 45570-6	5.4	31
152	Snake venom disintegrins: novel dimeric disintegrins and structural diversification by disulphide bond engineering. <i>Biochemical Journal</i> , <b>2003</b> , 372, 725-34	3.8	159
151	Amino acid sequence and homology modeling of obtustatin, a novel non-RGD-containing short disintegrin isolated from the venom of <i>Vipera lebetina obtusa</i> . <i>Protein Science</i> , <b>2003</b> , 12, 366-71	6.3	42
150	NMR solution structure of the non-RGD disintegrin obtustatin. <i>Journal of Molecular Biology</i> , <b>2003</b> , 329, 135-45	6.5	45
149	Isolation of two novel mannan- and L-fucose-binding lectins from the green alga <i>Enteromorpha prolifera</i> : biochemical characterization of EPL-2. <i>Archives of Biochemistry and Biophysics</i> , <b>2003</b> , 415, 245-50 <sup>1</sup>	4.1	23
148	Porcine spermadhesin PSP-I/PSP-II stimulates macrophages to release a neutrophil chemotactic substance: modulation by mast cells. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 1836-41	3.9	43



147	Role of an intrasubunit disulfide in the association state of the cytosolic homo-oligomer methionine adenosyltransferase. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 7285-93	5.4	22
146	Influence of porcine spermadhesins on the susceptibility of boar spermatozoa to high dilution. <i>Biology of Reproduction</i> , <b>2003</b> , 69, 640-6	3.9	93
145	Seed lectin from pisum arvense: isolation, biochemical characterization and amino acid sequence. <i>Protein and Peptide Letters</i> , <b>2003</b> , 10, 607-17	1.9	6
144	Obtustatin: a potent selective inhibitor of alpha1beta1 integrin in vitro and angiogenesis in vivo. <i>Cancer Research</i> , <b>2003</b> , 63, 2020-3	10.1	118
143	Purification and partial characterization of a lectin from Canavalia grandiflora benth. seeds. <i>Protein and Peptide Letters</i> , <b>2002</b> , 9, 67-73	1.9	16
142	Expression and purification of the recombinant ConBr (Canavalia brasiliensis lectin) produced in Escherichia coli cells. <i>Protein and Peptide Letters</i> , <b>2002</b> , 9, 59-66	1.9	12
141	Sperm coating mechanism from the 1.8 A crystal structure of PDC-109-phosphorylcholine complex. <i>Structure</i> , <b>2002</b> , 10, 505-14	5.2	79
140	Crystallization and preliminary X-ray diffraction analysis of the seed lectin from Parkia platycephala. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2002</b> , 58, 167-9		2
139	Purification and characterization of a new lectin from the red marine alga Hypnea musciformis. <i>Protein and Peptide Letters</i> , <b>2002</b> , 9, 159-66	1.9	22
138	Analysis of O-glycosylation. <i>Methods in Molecular Biology</i> , <b>2002</b> , 194, 89-100	1.4	2
137	Spermadhesin PSP-I/PSP-II heterodimer and its isolated subunits induced neutrophil migration into the peritoneal cavity of rats. <i>Biology of Reproduction</i> , <b>2002</b> , 67, 1796-803	3.9	33
136	The presence of the WGD motif in CC8 heterodimeric disintegrin increases its inhibitory effect on alphaII(b)beta3, alpha(v)beta3, and alpha5beta1 integrins. <i>Biochemistry</i> , <b>2002</b> , 41, 2014-21	3.2	61
135	Characterization of a monomeric disintegrin, ocellatusin, present in the venom of the Nigerian carpet viper, Echis ocellatus. <i>FEBS Letters</i> , <b>2002</b> , 512, 111-5	3.8	27
134	Crystal structure of a prostate kallikrein isolated from stallion seminal plasma: a homologue of human PSA. <i>Journal of Molecular Biology</i> , <b>2002</b> , 322, 325-37	6.5	74
133	The amino-acid sequence of the glucose/mannose-specific lectin isolated from Parkia platycephala seeds reveals three tandemly arranged jacalin-related domains. <i>FEBS Journal</i> , <b>2001</b> , 268, 4414-22		40
132	Purification, crystallization and identification by X-ray analysis of a prostate kallikrein from horse seminal plasma. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2001</b> , 57, 1180-3		2
131	Characterization of the sugar-binding specificity of the toxic lectins isolated from Abrus pulchellus seeds. <i>Glycoconjugate Journal</i> , <b>2001</b> , 18, 391-400	3	9
130	Crystal structure of native and Cd/Cd-substituted Dioclea guianensis seed lectin. A novel manganese-binding site and structural basis of dimer-tetramer association. <i>Journal of Molecular Biology</i> , <b>2001</b> , 310, 885-94	6.5	43

129	Disulphide-bond pattern and molecular modelling of the dimeric disintegrin EMF-10, a potent and selective integrin $\alpha 5\beta 1$ antagonist from <i>Eristocophis macmahoni</i> venom. <i>Biochemical Journal</i> , <b>2000</b> , 345, 573-581	3.8	51
128	Disulphide-bond pattern and molecular modelling of the dimeric disintegrin EMF-10, a potent and selective integrin $\alpha 5\beta 1$ antagonist from <i>Eristocophis macmahoni</i> venom. <i>Biochemical Journal</i> , <b>2000</b> , 345, 573	3.8	17
127	Biochemical and functional characterization of the Tn-specific lectin from <i>Salvia sclarea</i> seeds. <i>FEBS Journal</i> , <b>2000</b> , 267, 1434-40		26
126	The disulfide bond pattern of catrocollastatin C, a disintegrin-like/cysteine-rich protein isolated from <i>Crotalus atrox</i> venom. <i>Protein Science</i> , <b>2000</b> , 9, 1365-73	6.3	31
125	The amino acid sequence of the agglutinin isolated from the red marine alga <i>Bryothamnion triquetrum</i> defines a novel lectin structure. <i>Cellular and Molecular Life Sciences</i> , <b>2000</b> , 57, 343-50	10.3	37
124	Inhibitory effects of MLDG-containing heterodimeric disintegrins reveal distinct structural requirements for interaction of the integrin $\alpha 9\beta 1$ with VCAM-1, tenascin-C, and osteopontin. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 31930-7	5.4	61
123	Biophysical study of the perturbation of model membrane structure caused by seminal plasma protein PDC-109. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 374, 241-7	4.1	43
122	Purification, chemical, and immunochemical properties of a new lectin from Mimosoideae ( <i>Parkia discolor</i> ). <i>Preparative Biochemistry and Biotechnology</i> , <b>2000</b> , 30, 271-80	2.4	14
121	Disulphide-bond pattern and molecular modelling of the dimeric disintegrin EMF-10, a potent and selective integrin $\alpha 5\beta 1$ antagonist from <i>Eristocophis macmahoni</i> venom. <i>Biochemical Journal</i> , <b>2000</b> , 345 Pt 3, 573-81	3.8	15
120	Structural Characterisation of Porcine Seminal Plasma Psp-I/Psp-II, a Paradigm Spermadhesin Molecule Built by Heterodimerization of Glycosylated Subunits <b>2000</b> , 241-250		
119	EC3, a novel heterodimeric disintegrin from <i>Echis carinatus</i> venom, inhibits $\alpha 4$ and $\alpha 5$ integrins in an RGD-independent manner. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 12468-73	5.4	84
118	Structural requirements of echistatin for the recognition of $\alpha(v)\beta(3)$ and $\alpha(5)\beta(1)$ integrins. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 37809-14	5.4	111
117	Structural characterization of the oligosaccharide chains of native and crystallized boar seminal plasma spermadhesin PSP-I and PSP-II glycoforms. <i>FEBS Journal</i> , <b>1999</b> , 265, 703-18		35
116	Molecular characterization and crystallization of Diocleinae lectins. <i>BBA - Proteins and Proteomics</i> , <b>1999</b> , 1430, 367-75		56
115	Crystal structure of the first dissimilatory nitrate reductase at 1.9 Å solved by MAD methods. <i>Structure</i> , <b>1999</b> , 7, 65-79	5.2	257
114	The N-terminus of collagenase MMP-8 determines superactivity and inhibition: a relation of structure and function analyzed by biomolecular interaction analysis. <i>Biochemistry</i> , <b>1999</b> , 38, 7332-8	3.2	12
113	Characterisation of the conformational and quaternary structure-dependent heparin-binding region of bovine seminal plasma protein PDC-109. <i>FEBS Letters</i> , <b>1999</b> , 444, 260-4	3.8	38
112	Structural and functional characterization of EMF10, a heterodimeric disintegrin from <i>Eristocophis macmahoni</i> venom that selectively inhibits $\alpha 5\beta 1$ integrin. <i>Biochemistry</i> , <b>1999</b> , 38, 13302-9	3.2	68

111	Platelet integrin GPIIb/IIIa: structure-function correlations. An update and lessons from other integrins. <i>Proceedings of the Society for Experimental Biology and Medicine</i> , <b>1999</b> , 222, 29-38		55
110	Spermadhesins: a new protein family. Facts, hypotheses and perspectives. <i>Andrologia</i> , <b>1998</b> , 30, 217-24	2.4	139
109	Crystal structure of the complex formed by the membrane type 1-matrix metalloproteinase with the tissue inhibitor of metalloproteinases-2, the soluble progelatinase A receptor. <i>EMBO Journal</i> , <b>1998</b> , 17, 5238-48	13	277
108	Thermodynamic stability of two variants of xylanase (Xys1) from <i>Streptomyces halstedii</i> JM8. <i>FEBS Journal</i> , <b>1998</b> , 253, 462-8		22
107	Biophysical characterization of the interaction of bovine seminal plasma protein PDC-109 with phospholipid vesicles. <i>European Biophysics Journal</i> , <b>1998</b> , 27, 33-41	1.9	80
106	Purification and characterization of a lectin from seeds of <i>Vatairea macrocarpa</i> Duke. <i>Phytochemistry</i> , <b>1998</b> , 49, 675-80	4	56
105	Amino acid sequence, glycan structure, and proteolytic processing of the lectin of <i>Vatairea macrocarpa</i> seeds. <i>FEBS Letters</i> , <b>1998</b> , 425, 286-92	3.8	36
104	Binding of mannose-6-phosphate and heparin by boar seminal plasma PSP-II, a member of the spermadhesin protein family. <i>FEBS Letters</i> , <b>1998</b> , 431, 273-8	3.8	26
103	ATP sulfurylases from sulfate-reducing bacteria of the genus <i>Desulfovibrio</i> . A novel metalloprotein containing cobalt and zinc. <i>Biochemistry</i> , <b>1998</b> , 37, 16225-32	3.2	65
102	Molecular cloning and characterization of P47, a novel boar sperm-associated zona pellucida-binding protein homologous to a family of mammalian secretory proteins. <i>Biology of Reproduction</i> , <b>1998</b> , 58, 1057-64	3.9	82
101	Immunoelectronmicroscopic imaging of spermadhesin AWN epitopes on boar spermatozoa bound in vivo to the zona pellucida. <i>Reproduction, Fertility and Development</i> , <b>1998</b> , 10, 491-7	1.8	47
100	Alboaggregins A and B. Structure and Interaction with Human Platelets. <i>Thrombosis and Haemostasis</i> , <b>1998</b> , 79, 609-613	7	50
99	Alboaggregins A and B. Structure and interaction with human platelets. <i>Thrombosis and Haemostasis</i> , <b>1998</b> , 79, 609-13	7	5
98	Ligand-binding capabilities, 2.4-A resolution crystal structure, and characterization of oligosaccharides of PSP-I/PSP-II, a porcine heterodimeric lectin of glycosylated spermadhesins. <i>The Protein Journal</i> , <b>1998</b> , 17, 538-40		
97	Primary structure and posttranslational processing of <i>Vatairea macrocarpa</i> seed lectin. <i>The Protein Journal</i> , <b>1998</b> , 17, 545-7		4
96	Immunohistochemical localization in the stallion genital tract, and topography on spermatozoa of seminal plasma protein SSP-7, a member of the spermadhesin protein family. <i>Andrologia</i> , <b>1997</b> , 29, 179-86 <sup>4</sup>		9
95	Monoclonal antibodies against boar sperm zona pellucida-binding protein AWN-1. Characterization of a continuous antigenic determinant and immunolocalization of AWN epitopes in inseminated sows. <i>Biology of Reproduction</i> , <b>1997</b> , 57, 735-42	3.9	37
94	Crystal structure of acidic seminal fluid protein (aSFP) at 1.9 A resolution: a bovine polypeptide of the spermadhesin family. <i>Journal of Molecular Biology</i> , <b>1997</b> , 274, 650-60	6.5	35

93	The 2.4 Å resolution crystal structure of boar seminal plasma PSP-I/PSP-II: a zona pellucida-binding glycoprotein heterodimer of the spermadhesin family built by a CUB domain architecture. <i>Journal of Molecular Biology</i> , <b>1997</b> , 274, 635-49	6.5	69
92	The crystal structure of <i>Canavalia brasiliensis</i> lectin suggests a correlation between its quaternary conformation and its distinct biological properties from Concanavalin A. <i>FEBS Letters</i> , <b>1997</b> , 405, 114-8	3.8	71
91	Isolation and characterization of heparin- and phosphorylcholine-binding proteins of boar and stallion seminal plasma. Primary structure of porcine pB1. <i>FEBS Letters</i> , <b>1997</b> , 407, 201-6	3.8	89
90	The disulphide bond pattern of bitistatin, a disintegrin isolated from the venom of the viper <i>Bitis arietans</i> . <i>FEBS Letters</i> , <b>1997</b> , 416, 197-202	3.8	38
89	Biochemical and conformational characterisation of HSP-3, a stallion seminal plasma protein of the cysteine-rich secretory protein (CRISP) family. <i>FEBS Letters</i> , <b>1997</b> , 420, 179-85	3.8	32
88	The crystal structures of two spermadhesins reveal the CUB domain fold. <i>Nature Structural Biology</i> , <b>1997</b> , 4, 783-8		110
87	Molecular cloning and characterization of ConBr, the lectin of <i>Canavalia brasiliensis</i> seeds. <i>FEBS Journal</i> , <b>1997</b> , 248, 43-8		25
86	Conformational features and thermal stability of bovine seminal plasma protein PDC-109 oligomers and phosphorylcholine-bound complexes. <i>FEBS Journal</i> , <b>1997</b> , 250, 735-44		63
85	Fractionation and characterization of boar seminal plasma spermadhesion PSP-II glycoforms reveal the presence of uncommon N-acetylgalactosamine-containing N-linked oligosaccharides. <i>Glycoconjugate Journal</i> , <b>1997</b> , 14, 275-80	3	10
84	Crystallization and preliminary X-ray diffraction studies of aSFP, a bovine seminal plasma protein with a single CUB domain architecture. <i>Protein Science</i> , <b>1997</b> , 6, 725-7	6.3	8
83	Crystallization and preliminary X-ray diffraction analysis of bovine seminal plasma PDC-109, a protein composed of two fibronectin type II domains. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>1997</b> , 28, 454-6	4.2	12
82	Analysis of <i>xysA</i> , a gene from <i>Streptomyces halstedii</i> JM8 that encodes a 45-kilodalton modular xylanase, <i>Xys1</i> . <i>Applied and Environmental Microbiology</i> , <b>1997</b> , 63, 2983-8	4.8	26
81	X-ray crystallographic analysis of boar PSP-I/PSP-II complex. A zona pellucida-binding protein. <i>Advances in Experimental Medicine and Biology</i> , <b>1997</b> , 424, 311-2	3.6	
80	The role of carbohydrates in sperm-egg interaction. <i>Advances in Experimental Medicine and Biology</i> , <b>1997</b> , 424, 301-10	3.6	8
79	Snake Venom Disintegrins and Disintegrin-Like Domains: Soluble Antagonists and Cellular Ligands of Integrin Receptors <b>1997</b> , 157-173		4
78	Mapping the heparin-binding domain of boar spermadhesins. <i>FEBS Letters</i> , <b>1996</b> , 379, 207-11	3.8	23
77	Crystallization and preliminary X-ray diffraction analysis of boar seminal plasma spermadhesin PSP-I/PSP-II, a heterodimer of two CUB domains. <i>FEBS Letters</i> , <b>1996</b> , 382, 15-7	3.8	18
76	The structure of the O-linked carbohydrate chain of bovine seminal plasma protein PDC-109 revised by H-NMR spectroscopy A correction. <i>FEBS Letters</i> , <b>1996</b> , 387, 99-100	3.8	23

75	Importance of the structure of the RGD-containing loop in the disintegrins echistatin and ristostatin for recognition of alpha IIb beta 3 and alpha v beta 3 integrins. <i>FEBS Letters</i> , <b>1996</b> , 391, 139-43	3.8	70
74	A procedure for the large-scale isolation of major bovine seminal plasma proteins. <i>Protein Expression and Purification</i> , <b>1996</b> , 8, 48-56	2	58
73	Characterization of representative enzymes from a sulfate reducing bacterium implicated in the corrosion of steel. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 221, 414-21	3.4	26
72	Chemical cross-linking detects different conformational arrangements of platelet integrin alpha IIb beta III (gpIIb/IIIa). <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 229, 454-9	3.4	8
71	The primary structure of BSP-30K, a major lipid-, gelatin-, and heparin-binding glycoprotein of bovine seminal plasma. <i>FEBS Letters</i> , <b>1996</b> , 399, 147-52	3.8	55
70	Primary structure of stallion seminal plasma protein HSP-7, a zona-pellucida-binding protein of the spermadhesin family. <i>FEBS Journal</i> , <b>1996</b> , 242, 636-40		34
69	Boar spermadhesins AQN-1 and AQN-3: oligosaccharide and zona pellucida binding characteristics. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1996</b> , 377, 521-7		14
68	Sperm-associated protein candidates for primary zona pellucida-binding molecules: structure-function correlations of boar spermadhesins. <i>Journal of Reproduction and Fertility Supplement</i> , <b>1996</b> , 50, 55-61		16
67	Carbohydrate-and heparin-binding proteins in mammalian fertilization. <i>Andrologia</i> , <b>1995</b> , 27, 303-24	2.4	40
66	Immunocytochemical characterization of porcine zona pellucida during follicular development. <i>Anatomy and Embryology</i> , <b>1995</b> , 191, 41-6		16
65	Immunohistochemical localization of spermadhesin AWN in the porcine male genital tract. <i>Cell and Tissue Research</i> , <b>1995</b> , 282, 175-9	4.2	23
64	Mass Spectrometric Analysis of the Phosphorylation State of Human Platelet Glycoprotein IIIa. <i>Platelets</i> , <b>1995</b> , 6, 265-9	3.6	
63	Interaction of non-aggregated boar AWN-1 and AQN-3 with phospholipid matrices. A model for coating of spermadhesins to the sperm surface. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1995</b> , 376, 237-42		45
62	On the structure and function of platelet integrin alpha IIb beta 3, the fibrinogen receptor. <i>Experimental Biology and Medicine</i> , <b>1995</b> , 208, 346-60	3.7	81
61	Advanced ovulation in gilts by the intrauterine application of a low molecular mass pronase-sensitive fraction of boar seminal plasma. <i>Reproduction</i> , <b>1995</b> , 105, 247-52	3.8	48
60	Boar spermadhesin PSP-II: location of posttranslational modifications, heterodimer formation with PSP-I glycoforms and effect of dimerization on the ligand-binding capabilities of the subunits. <i>FEBS Letters</i> , <b>1995</b> , 365, 179-82	3.8	58
59	Identification by affinity chromatography of boar sperm membrane-associated proteins bound to immobilized porcine zona pellucida. Mapping of the phosphorylethanolamine-binding region of spermadhesin AWN. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1995</b> , 376, 733-8		37
58	Amino acid sequence of HSP-1, a major protein of stallion seminal plasma: effect of glycosylation on its heparin- and gelatin-binding capabilities. <i>Biochemical Journal</i> , <b>1995</b> , 310 ( Pt 2), 615-22	3.8	87

57	SPERM SURFACE PROTEINS. <i>Reproduction in Domestic Animals</i> , <b>1995</b> , 31, 101-105	1.6	10
56	IDENTIFICATION OF BOAR SPERM SURFACE PROTEINS WITH AFFINITY FOR PORCINE ZONA PELLUCIDA. <i>Reproduction in Domestic Animals</i> , <b>1995</b> , 31, 229-231	1.6	
55	Analysis of the structural organization and thermal stability of two spermadhesins. Calorimetric, circular dichroic and Fourier-transform infrared spectroscopic studies. <i>FEBS Journal</i> , <b>1995</b> , 234, 887-96		29
54	Effect of glycosylation on the heparin-binding capability of boar and stallion seminal plasma proteins. <i>Journal of Chromatography A</i> , <b>1995</b> , 711, 167-73	4.5	28
53	Boar spermadhesin AWN-1. Oligosaccharide and zona pellucida binding characteristics. <i>FEBS Journal</i> , <b>1995</b> , 230, 329-36		72
52	Immunohistochemical localization of spermadhesin AWN in the porcine male genital tract <b>1995</b> , 282, 175		2
51	Immunolocalization and quantitation of acidic seminal fluid protein (aSFP) in ejaculated, swim-up, and capacitated bull spermatozoa. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1994</b> , 375, 457-61		42
50	Isolation and Biochemical Characterization of Stallion Seminal-plasma Proteins. <i>Reproduction in Domestic Animals</i> , <b>1994</b> , 29, 411-426	1.6	31
49	Primary sequence, oxidation-reduction potentials and tertiary-structure prediction of <i>Desulfovibrio desulfuricans</i> ATCC 27774 flavodoxin. <i>FEBS Journal</i> , <b>1994</b> , 220, 987-95		16
48	Quantitation of boar spermadhesins in accessory sex gland fluids and on the surface of epididymal, ejaculated and capacitated spermatozoa. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>1994</b> , 1200, 48-54	4	78
47	Characterization of the cross-linking site of disintegrins albolabrin, bitistatin, echistatin, and eristostatin on isolated human platelet integrin GPIIb/IIIa. <i>Biochemical and Biophysical Research Communications</i> , <b>1994</b> , 202, 135-40	3.4	20
46	Bovine seminal plasma aSFP: localization of disulfide bridges and detection of three different isoelectric forms. <i>FEBS Letters</i> , <b>1994</b> , 344, 61-4	3.8	32
45	Localization and structural characterization of an oligosaccharide O-linked to bovine PDC-109. Quantitation of the glycoprotein in seminal plasma and on the surface of ejaculated and capacitated spermatozoa. <i>FEBS Letters</i> , <b>1994</b> , 350, 203-6	3.8	56
44	Glycosylated boar spermadhesin AWN-1 isoforms. Biological origin, structural characterization by lectin mapping, localization of O-glycosylation sites, and effect of glycosylation on ligand binding. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1994</b> , 375, 667-73		29
43	Proteolytic degradation of the RGD-binding and non-RGD-binding conformers of human platelet integrin glycoprotein IIb/IIIa: clues for identification of regions involved in the receptor activation. <i>Biochemical Journal</i> , <b>1994</b> , 298 ( Pt 1), 1-7	3.8	26
42	Clues for Understanding the Structure and Function of a Prototypic Human Integrin: The Platelet Glycoprotein IIb/IIIa Complex. <i>Thrombosis and Haemostasis</i> , <b>1994</b> , 72, 001-015	7	125
41	Identification of porcine oocyte 55 kDa alpha and beta proteins within the zona pellucida glycoprotein families indicates that oocyte sperm receptor activity is associated with different zone pellucida proteins in different mammalian species. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1993</b> , 374, 411-7		12
40	Characterization of two glycosylated boar spermadhesins. <i>FEBS Journal</i> , <b>1993</b> , 218, 719-25		51

39	Isolation and biochemical characterization of heparin-binding proteins from boar seminal plasma: a dual role for spermadhesins in fertilization. <i>Molecular Reproduction and Development</i> , <b>1993</b> , 35, 37-43	2.6	87
38	Glycoprotein IIb peptide 656-667 mimics the fibrinogen gamma chain 402-411 binding site on platelet integrin GPIIb/IIIa. <i>FEBS Letters</i> , <b>1993</b> , 335, 132-5	3.8	8
37	Localization of an O-glycosylation site in the alpha-subunit of the human platelet integrin GPIIb/IIIa involved in Baka (HPA-3a) alloantigen expression. <i>FEBS Letters</i> , <b>1993</b> , 328, 30-4	3.8	21
36	Characterization of AWN-1 glycosylated isoforms helps define the zona pellucida and serine proteinase inhibitor-binding region on boar spermadhesins. <i>FEBS Letters</i> , <b>1993</b> , 334, 37-40	3.8	37
35	Proteolytic dissection of the isolated platelet fibrinogen receptor, integrin GPIIb/IIIa. Localization of GPIIb and GPIIIa sequences putatively involved in the subunit interface and in intrasubunit and intrachain contacts. <i>Biochemical Journal</i> , <b>1992</b> , 282 ( Pt 2), 523-32	3.8	52
34	Boar spermadhesins AQN-1 and AWN are sperm-associated acrosin inhibitor acceptor proteins. <i>FEBS Letters</i> , <b>1992</b> , 300, 63-6	3.8	50
33	Effective activation of the proenzyme form of the urokinase-type plasminogen activator (pro-uPA) by the cysteine protease cathepsin L. <i>FEBS Letters</i> , <b>1992</b> , 297, 112-8	3.8	116
32	The complete primary structure of three isoforms of a boar sperm-associated acrosin inhibitor. <i>FEBS Letters</i> , <b>1992</b> , 297, 147-50	3.8	31
31	The disulfide bridge pattern of snake venom disintegrins, flavoridin and echistatin. <i>FEBS Letters</i> , <b>1992</b> , 309, 316-20	3.8	56
30	The complete primary structure of the spermadhesin AWN, a zona pellucida-binding protein isolated from boar spermatozoa. <i>FEBS Letters</i> , <b>1992</b> , 300, 213-8	3.8	69
29	Isolation and biochemical characterization of two isoforms of a boar sperm zona pellucida-binding protein. <i>BBA - Proteins and Proteomics</i> , <b>1992</b> , 1119, 127-32		23
28	The complete primary structure of the boar spermadhesin AQN-1, a carbohydrate-binding protein involved in fertilization. <i>FEBS Journal</i> , <b>1992</b> , 205, 645-52		43
27	Localization of the cross-linking sites of RGD and KQAGDV peptides to the isolated fibrinogen receptor, the human platelet integrin glycoprotein IIb/IIIa. Influence of peptide length. <i>FEBS Journal</i> , <b>1992</b> , 206, 759-65		30
26	Further studies on the topography of human platelet glycoprotein IIb. Localization of monoclonal antibody epitopes and the putative glycoprotein IIa- and fibrinogen-binding regions. <i>Biochemical Journal</i> , <b>1991</b> , 273 ( Pt 3), 767-75	3.8	37
25	Assignment of disulphide bonds in human platelet GPIIIa. A disulphide pattern for the beta-subunits of the integrin family. <i>Biochemical Journal</i> , <b>1991</b> , 274 ( Pt 1), 63-71	3.8	186
24	Further studies on the topography of the N-terminal region of human platelet glycoprotein IIIa. Localization of monoclonal antibody epitopes and the putative fibrinogen-binding sites. <i>Biochemical Journal</i> , <b>1991</b> , 274 ( Pt 2), 457-63	3.8	56
23	Characterisation of the N-linked oligosaccharides of the light chain of human glycoprotein IIb by f.a.b.-m.s. <i>Carbohydrate Research</i> , <b>1991</b> , 221, 169-77	2.9	2
22	A large-scale procedure for the isolation of integrin GPIIb/IIIa, the human platelet fibrinogen receptor. <i>Protein Expression and Purification</i> , <b>1991</b> , 2, 248-55	2	13

21	Identification of the disulfide bond pattern in albolabrin, an RGD-containing peptide from the venom of <i>Trimeresurus albolabris</i> : significance for the expression of platelet aggregation inhibitory activity. <i>Biochemistry</i> , <b>1991</b> , 30, 5225-9	3.2	79
20	Isolation and biochemical characterization of a zona pellucida-binding glycoprotein of boar spermatozoa. <i>FEBS Letters</i> , <b>1991</b> , 280, 183-6	3.8	47
19	The amino acid sequence of AQN-3, a carbohydrate-binding protein isolated from boar sperm. Location of disulphide bridges. <i>FEBS Letters</i> , <b>1991</b> , 291, 33-6	3.8	39
18	Arg-Gly-Asp constrained within cyclic pentapeptides. Strong and selective inhibitors of cell adhesion to vitronectin and laminin fragment P1. <i>FEBS Letters</i> , <b>1991</b> , 291, 50-4	3.8	463
17	Variability of acrosin inhibitors in boar reproductive tract. <i>Biomedica Biochimica Acta</i> , <b>1991</b> , 50, 691-5		6
16	Characterization of the beta-chain N-terminus heterogeneity and the alpha-chain C-terminus of human platelet GPIIb. Posttranslational cleavage sites. <i>FEBS Letters</i> , <b>1990</b> , 272, 37-40	3.8	15
15	C-terminal amino acid determination of the transmembrane subunits of the human platelet fibrinogen receptor, the GPIIb/IIIa complex. <i>FEBS Letters</i> , <b>1990</b> , 263, 43-6	3.8	11
14	Complete localization of the disulfide bridges and glycosylation sites in boar sperm acrosin. <i>FEBS Letters</i> , <b>1990</b> , 275, 139-42	3.8	18
13	Immobilization-stabilization of enzymes; variables that control the intensity of the trypsin (amine)-agarose (aldehyde) multipoint attachment. <i>Enzyme and Microbial Technology</i> , <b>1989</b> , 11, 353-359	3.8	173
12	Complete localization of the intrachain disulphide bonds and the N-glycosylation points in the alpha-subunit of human platelet glycoprotein IIb. <i>Biochemical Journal</i> , <b>1989</b> , 261, 561-8	3.8	64
11	Interchain and intrachain disulphide bonds in human platelet glycoprotein IIb. Localization of the epitopes for several monoclonal antibodies. <i>Biochemical Journal</i> , <b>1989</b> , 261, 551-60	3.8	33
10	Tryptic digestion of human GPIIIa. Isolation and biochemical characterization of the 23 kDa N-terminal glycopeptide carrying the antigenic determinant for a monoclonal antibody (P37) which inhibits platelet aggregation. <i>Biochemical Journal</i> , <b>1988</b> , 250, 697-704	3.8	28
9	Molecular characterization of human platelet glycoproteins IIIa and IIb and the subunits of the latter. <i>European Biophysics Journal</i> , <b>1987</b> , 14, 211-8	1.9	16
8	Identification of a glycoprotein III a dimer in polyacrylamide gel separations of human platelet membranes. <i>Thrombosis and Haemostasis</i> , <b>1987</b> , 58, 694-7	7	2
7	New isolation procedure and further biochemical characterization of glycoproteins IIb and IIIa from human platelet plasma membrane. <i>Biochemical Journal</i> , <b>1986</b> , 240, 147-53	3.8	44
6	Isolation and biochemical characterization of the alpha- and beta-subunits of glycoprotein IIb of human platelet plasma membrane. <i>Biochemical Journal</i> , <b>1986</b> , 240, 155-61	3.8	29
5	Glycobiology of Fertilization		595-610
4	Preclinical validation of a repurposed metal chelator as a community-based therapeutic for hemotoxic snakebite		3



- |   |  |   |
|---|--|---|
| 3 | Convergent Evolution of Pain-Inducing Defensive Venom Components in Spitting Cobras  | 1 |
| 2 | When one phenotype is not enough □divergent evolutionary trajectories govern venom variation in a widespread rattlesnake species | 1 |
| 1 | Antivenomics: A Proteomics Tool for Studying the Immunoreactivity of Antivenoms227-239   | 3 |