

# Adriano M C Pimenta

## List of Publications by Year in descending order

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89  
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2,716  
citations

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29  
h-index

206112

48  
g-index

95  
all docs

95  
docs citations

95  
times ranked

3035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel components of Tityus serrulatus venom: A transcriptomic approach. <i>Toxicon</i> , 2021, 189, 91-104.	1.6	15
2	Shortened derivatives from native antimicrobial peptide LyeTx I: <i>in vitro</i> and <i>in vivo</i> biological activity assessment. <i>Experimental Biology and Medicine</i> , 2021, 246, 414-425.	2.4	8
3	Tityus serrulatus scorpion venom as a potential drug source for Chagas' disease: Trypanocidal and immunomodulatory activity. <i>Clinical Immunology</i> , 2021, 226, 108713.	3.2	6
4	Synthetic Peptides Derived From Lycosa Erythrognatha Venom: Interaction With Phospholipid Membranes and Activity Against Resistant Bacteria. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 680940.	3.5	4
5	Tityus serrulatus (Scorpion): From the Crude Venom to the Construction of Synthetic Peptides and Their Possible Therapeutic Application Against Toxoplasma gondii Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 706618.	3.9	10
6	GiTx1 ( $\hat{I}^2/\hat{I}^e$ -theraphotoxin-Gi1a), a novel toxin from the venom of Brazilian tarantula Grammostola iheringi (Mygalomorphae, Theraphosidae): Isolation, structural assessments and activity on voltage-gated ion channels. <i>Biochimie</i> , 2020, 176, 138-149.	2.6	1
7	Moving Pieces in a Cellular Puzzle: A Cryptic Peptide from the Scorpion Toxin Ts14 Activates AKT and ERK Signaling and Decreases Cardiac Myocyte Contractility via Dephosphorylation of Phospholamban. <i>Journal of Proteome Research</i> , 2020, 19, 3467-3477.	3.7	4
8	In vitro and in vivo antimicrobial activity of peptides derived from the venom of the spider Lycosa erythrognatha. <i>Toxicon</i> , 2020, 177, S21.	1.6	0
9	Polypeptides secreted from the columnar vesicles of the sea anemone Bunodosoma cangicum and their in vivo effects on Caenorhabditis elegans. <i>Cell Biology International</i> , 2019, 43, 429-436.	3.0	1
10	The synthetic peptide LyeTxI-b derived from Lycosa erythrognatha spider venom is cytotoxic to U-87 MG glioblastoma cells. <i>Amino Acids</i> , 2019, 51, 433-449.	2.7	13
11	Antinociceptive effect of PnTx4(5-5), a peptide from Phoneutria nigriventer spider venom, in rat models and the involvement of glutamatergic system. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2019, 25, e20190022.	1.4	13
12	PnTx2-6 (or $\hat{I}$ -CNTX-Pn2a), a toxin from Phoneutria nigriventer spider venom, releases l-glutamate from rat brain synaptosomes involving Na <sup>+</sup> and Ca <sup>2+</sup> channels and changes protein expression at the blood-brain barrier. <i>Toxicon</i> , 2018, 150, 280-288.	1.6	5
13	LyeTxI-b, a Synthetic Peptide Derived From Lycosa erythrognatha Spider Venom, Shows Potent Antibiotic Activity in Vitro and in Vivo. <i>Frontiers in Microbiology</i> , 2018, 9, 667.	3.5	28
14	The synthetic peptide PnPP-19 induces peripheral antinociception via activation of NO/cGMP/KATP pathway: Role of eNOS and nNOS. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 64, 31-38.	2.7	17
15	Synthesis, characterization and radiolabeling of polymeric nano-micelles as a platform for tumor delivering. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 268-275.	5.6	41
16	Moving pieces in a cryptomic puzzle: Cryptide from Tityus serrulatus Ts3 Nav toxin as potential agonist of muscarinic receptors. <i>Peptides</i> , 2017, 98, 70-77.	2.4	10
17	Ts14 from Tityus serrulatus boosts angiogenesis and attenuates inflammation and collagen deposition in sponge-induced granulation tissue in mice. <i>Peptides</i> , 2017, 98, 63-69.	2.4	16
18	Quantitative Proteomic Analysis Reveals Changes in the Benchmark Corynebacterium pseudotuberculosis Biovar Equi Exoproteome after Passage in a Murine Host. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 325.	3.9	12

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19	Î-Ctenitoxin-Pn1a, a Peptide from Phoneutria nigriventer Spider Venom, Shows Antinociceptive Effect Involving Opioid and Cannabinoid Systems, in Rats. <i>Toxins</i> , 2016, 8, 106.	3.4	31
20	Structural and Functional Elucidation of Peptide Ts11 Shows Evidence of a Novel Subfamily of Scorpion Venom Toxins. <i>Toxins</i> , 2016, 8, 288.	3.4	26
21	Antimicrobial Peptides in Spider Venoms. , 2016, , 361-377.		5
22	Identification of metal-binding to proteins in seed samples using RF-HPLC-UV, GFAAS and MALDI-TOF-MS. <i>Food Chemistry</i> , 2016, 211, 910-915.	8.2	4
23	A spider derived peptide, PnPP-19, induces central antinociception mediated by opioid and cannabinoid systems. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2016, 22, 34.	1.4	14
24	Potassium channel blockers from the venom of the Brazilian scorpion <i>Tityus serrulatus</i> ( ). <i>Toxicon</i> , 2016, 119, 253-265.	1.6	15
25	Exposure to an extremely low-frequency electromagnetic field only slightly modifies the proteome of <i>Chromobacterium violaceum</i> ATCC 12472. <i>Genetics and Molecular Biology</i> , 2015, 38, 227-230.	1.3	5
26	Spatial cognitive deficits in an animal model of Wernickeâ€Korsakoff syndrome are related to changes in thalamic VDAC protein concentrations. <i>Neuroscience</i> , 2015, 294, 29-37.	2.3	11
27	Î²Î³-PrIT1, a highly insecticidal toxin from the venom of the Brazilian spider <i>Phoneutria reidy</i> (F.O.) Tj ETQq1 1 0.784314 rgBT <sub>5</sub> /Overlo	1.6	5
28	Venoms, toxins and derivatives from the Brazilian fauna: valuable sources for drug discovery. <i>Acta Physiologica Sinica</i> , 2015, 67, 261-70.	0.5	6
29	Expressed sequence tags in venomous tissue of <i>Scorpaena plumieri</i> (Scorpaeniformes: Scorpaenidae). <i>Neotropical Ichthyology</i> , 2014, 12, 871-878.	1.0	2
30	Omics profiles used to evaluate the gene expression of <i>Exiguobacterium antarcticum</i> B7 during cold adaptation. <i>BMC Genomics</i> , 2014, 15, 986.	2.8	21
31	Another record of significant regional variation in toxicity of <i>Tityus serrulatus</i> venom in Brazil: A step towards understanding the possible role of sodium channel modulators. <i>Toxicon</i> , 2013, 73, 33-46.	1.6	26
32	<i>Chromobacterium violaceum</i> : Important Insights for Virulence and Biotechnological Potential by Exoproteomic Studies. <i>Current Microbiology</i> , 2013, 67, 100-106.	2.2	16
33	New insights on arthropod toxins that potentiate erectile function. <i>Toxicon</i> , 2013, 69, 152-159.	1.6	27
34	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, 655-679.	4.6	32
35	Moving Pieces in a Venomic Puzzle: Unveiling Post-translationally Modified Toxins from <i>Tityus serrulatus</i> . <i>Journal of Proteome Research</i> , 2013, 12, 3460-3470.	3.7	52
36	The proteomic profile of <i>Stichodactyla duerdeni</i> secretion reveals the presence of a novel O-linked glycopeptide. <i>Journal of Proteomics</i> , 2013, 87, 89-102.	2.4	23

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37	Identification of 11 new exoproteins in <i>Corynebacterium pseudotuberculosis</i> by a comparative analysis of the exoproteome. <i>Microbial Pathogenesis</i> , 2013, 61-62, 37-42.	2.9	19
38	Differential Exoproteome Analysis of Two <i>Corynebacterium pseudotuberculosis</i> Biovar Ovis Strains Isolated from Goat (1002) and Sheep (C231). <i>Current Microbiology</i> , 2013, 67, 460-465.	2.2	15
39	$\beta$ -Theraphotoxin-An1a: Primary structure determination and assessment of the pharmacological activity of a promiscuous anti-insect toxin from the venom of the tarantula <i>Acanthoscurria natalensis</i> (Mygalomorphae, Theraphosidae). <i>Toxicon</i> , 2013, 70, 123-134.	1.6	8
40	Discovery and Characterization of Alamandine. <i>Circulation Research</i> , 2013, 112, 1104-1111.	4.5	323
41	Determination of Metal Associated with Proteins of Wheat Seed Samples After Sequential Extraction Procedure. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	2
42	Peptide fingerprinting of the neurotoxic fractions isolated from the secretions of sea anemones <i>Stichodactyla helianthus</i> and <i>Bunodosoma granulifera</i> . New members of the APETx-like family identified by a 454 pyrosequencing approach. <i>Peptides</i> , 2012, 34, 26-38.	2.4	41
43	Greater binding affinity of trivalent antimony to a CCCH zinc finger domain compared to a CCHC domain of kinetoplastid proteins. <i>Metallomics</i> , 2012, 4, 433.	2.4	26
44	Determinação de Cu, Fe, Mn, Zn e do teor de proteína total em amostras de trigo e soja após procedimento de extração sequencial. <i>Química Nova</i> , 2012, 35, 1922-1926.	0.3	1
45	Profiles of toxic and non-toxic oligopeptides of <i>Radiocystis fernandoii</i> (Cyanobacteria) exposed to three different light intensities. <i>Microbiological Research</i> , 2012, 167, 413-421.	5.3	24
46	Peptidomic dissection of the skin secretion of <i>Phasmahyla jandaia</i> (Bokermann and Sazima, 1978) (Anura, Hylidae, Phyllomedusinae). <i>Toxicon</i> , 2011, 57, 35-52.	1.6	22
47	New cassane diterpenes from <i>Caesalpinia echinata</i> . <i>Fitorap</i> , 2011, 82, 969-975.	2.2	26
48	PRODIS: a proteomics data management system with support to experiment tracking. <i>BMC Genomics</i> , 2011, 12, S15.	2.8	1
49	A combined approach for comparative exoproteome analysis of <i>Corynebacterium pseudotuberculosis</i> . <i>BMC Microbiology</i> , 2011, 11, 12.	3.3	52
50	Venomic analysis and evaluation of antivenom cross-reactivity of South American <i>Micrurus</i> species. <i>Journal of Proteomics</i> , 2011, 74, 1810-1825.	2.4	51
51	From the Stretcher to the Pharmacy Shelf: Drug Leads from Medically Important Brazilian Venomous Arachnid Species. <i>Inflammation and Allergy: Drug Targets</i> , 2011, 10, 411-419.	1.8	9
52	Evaluation of Post-Surgical Cognitive Function and Protein Fingerprints in the Cerebro-Spinal Fluid Utilizing Surface-Enhanced Laser Desorption/Ionization Time-of-Flight Mass-Spectrometry (SELDI-TOF). <i>Journal of Proteomics</i> , 2011, 74, 1810-1825.	2.4	5
53	LyeTx I, a potent antimicrobial peptide from the venom of the spider <i>Lycosa erythrognatha</i> . <i>Amino Acids</i> , 2010, 39, 135-144.	2.7	55
54	Proteomic analysis of human mesenchymal stromal cells derived from adipose tissue undergoing osteoblast differentiation. <i>Cytotherapy</i> , 2010, 12, 478-490.	0.7	24

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55	Structure-function studies of Tityus serrulatus Hypotensin-I (TsHpt-I): A new agonist of B2 kinin receptor. <i>Toxicon</i> , 2010, 56, 1162-1171.	1.6	43
56	Functional expression of a recombinant toxin rPnTx2-6 active in erectile function in rat. <i>Toxicon</i> , 2010, 56, 1172-1180.	1.6	17
57	A potent vasoactive cytolysin isolated from <i>Scorpaena plumieri</i> scorpionfish venom. <i>Toxicon</i> , 2010, 56, 487-496.	1.6	28
58	Complete amino-acid sequence, crystallization and preliminary X-ray diffraction studies of leucurolysin-a, a nonhaemorrhagic metalloproteinase from <i>Bothrops leucurus</i> snake venom. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 798-801.	0.7	9
59	New insights into the chemical structure and composition of the pentavalent antimonial drugs, meglumine antimonate and sodium stibogluconate. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 656-665.	3.5	54
60	Enhanced oral delivery of antimony from meglumine antimonate/ $\beta$ -cyclodextrin nanoassemblies. <i>International Journal of Pharmaceutics</i> , 2008, 347, 102-108.	5.2	39
61	<i>Tityus serrulatus</i> venom peptidomics: Assessing venom peptide diversity. <i>Toxicon</i> , 2008, 52, 611-618.	1.6	58
62	Isolation and structural characterization of a new fibrin(ogen)olytic metalloproteinase from <i>Bothrops moojeni</i> snake venom. <i>Toxicon</i> , 2008, 51, 574-584.	1.6	65
63	Tx2-6 toxin of the <i>Phoneutria nigriventer</i> spider potentiates rat erectile function. <i>Toxicon</i> , 2008, 51, 1197-1206.	1.6	59
64	<i>Tityus serrulatus</i> Hypotensins: A new family of peptides from scorpion venom. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 515-520.	2.1	77
65	A New Family of Small (4kDa) Neurotoxins from the Venoms of Spiders of the Genus <i>Phoneutria</i> . <i>Protein and Peptide Letters</i> , 2008, 15, 700-708.	0.9	10
66	Chemical constituents of <i>Habenaria petalodes</i> Lindl. (Orchidaceae). <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 1098-1104.	0.6	13
67	Venomic analyses of <i>Scolopendra viridicornis nigra</i> and <i>Scolopendra angulata</i> (Centipede.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf</i>	1.6	53
68	Peptides of arachnid venoms with insecticidal activity targeting sodium channels. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007, 146, 264-279.	2.6	40
69	Supramolecular self-assembly of $\beta$ -cyclodextrin: an effective carrier of the antimicrobial agent chlorhexidine. <i>Carbohydrate Research</i> , 2007, 342, 2286-2296.	2.3	84
70	Leftward Shift in the Voltage-Dependence for Ca <sup>2+</sup> Currents Activation Induced by a New Toxin from <i>Phoneutria reidy</i> (Araneae, Ctenidae) Venom. <i>Cellular and Molecular Neurobiology</i> , 2007, 27, 129-146.	3.3	11
71	Physicochemical study of floranol, its copper(II) and iron(III) complexes, and their inhibitory effect on LDL oxidation. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 935-943.	3.5	45
72	Toxin Tx2 from the spider <i>Phoneutria nigriventer</i> improves the impaired erectile function in DOCA-salt hypertensive rats. <i>FASEB Journal</i> , 2007, 21, A881.	0.5	0

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73	Comparison of the partial proteomes of the venoms of Brazilian spiders of the genus Phoneutria. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 142, 173-187.	2.6	87
74	Functional expression and purification of recombinant Tx1, a sodium channel blocker neurotoxin from the venom of the Brazilian "armed" spider, Phoneutria nigriventer. Protein Expression and Purification, 2006, 50, 18-24.	1.3	23
75	Moving pieces in a taxonomic puzzle: Venom 2D-LC/MS and data clustering analyses to infer phylogenetic relationships in some scorpions from the Buthidae family (Scorpiones). Toxicon, 2006, 47, 628-639.	1.6	82
76	Isolation and structural characterization of microcystin-LR and three minor oligopeptides simultaneously produced by Radiocystis feernandoi (Chroococcales, Cyanobacteriae): A Brazilian toxic cyanobacterium. Toxicon, 2006, 47, 560-566.	1.6	25
77	Mode of action of $\beta$ -cyclodextrin as an absorption enhancer of the water-soluble drug meglumine antimoniate. International Journal of Pharmaceutics, 2006, 325, 39-47.	5.2	37
78	Tx1, from Phoneutria nigriventer spider venom, interacts with dihydropyridine sensitive-calcium channels in GH3 cells. Journal of Radioanalytical and Nuclear Chemistry, 2006, 269, 585-589.	1.5	4
79	Characterization of reactions of antimoniate and meglumine antimoniate with a guanine ribonucleoside at different pH. BioMetals, 2006, 19, 573-581.	4.1	22
80	Purification and molecular characterization of antibacterial compounds produced by Lactobacillus murinus strain L1. Journal of Applied Microbiology, 2005, 99, 649-656.	3.1	25
81	Small peptides, big world: biotechnological potential in neglected bioactive peptides from arthropod venoms. Journal of Peptide Science, 2005, 11, 670-676.	1.4	80
82	Electrospray ionization quadrupole time-of-flight and matrix-assisted laser desorption/ionization tandem time-of-flight mass spectrometric analyses to solve micro-heterogeneity in post-translationally modified peptides from Phoneutria nigriventer (Aranea, Ctenidae) venom. Rapid Communications in Mass Spectrometry, 2005, 19, 31-37.	1.5	54
83	Covalent structure and some pharmacological features of native and cleaved $\beta$ -Tx12?1, a four disulfide-bridged toxin from Tityus serrulatus venom. Journal of Peptide Science, 2003, 9, 132-140.	1.4	17
84	Individual variability in Tityus serrulatus (Scorpiones, Buthidae) venom elicited by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 413-418.	1.5	68
85	PnTx4-3, a new insect toxin from Phoneutria nigriventer venom elicits the glutamate uptake inhibition exhibited by PhTx4 toxic fraction. Toxicon, 2003, 42, 793-800.	1.6	27
86	Novel structural class of four disulfide-bridged peptides from Tityus serrulatus venom. Biochemical and Biophysical Research Communications, 2003, 301, 1086-1092.	2.1	30
87	Enzymes with gelatinolytic activity can be found in Tityus bahiensis and Tityus serrulatus venoms. Toxicon, 2002, 40, 1041-1045.	1.6	57
88	Purification, amino-acid sequence and partial characterization of two toxins with anti-insect activity from the venom of the South American scorpion Tityus bahiensis (Buthidae). Toxicon, 2001, 39, 1009-1019.	1.6	40
89	Moving pieces in a proteomic puzzle: mass fingerprinting of toxic fractions from the venom of Tityus serrulatus (Scorpiones, Buthidae). Rapid Communications in Mass Spectrometry, 2001, 15, 1562-1572.	1.5	101