

Mariana S Castro

List of Publications by Year in descending order

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54
papers

1,241
citations

394286

19
h-index

414303

32
g-index

58
all docs

58
docs citations

58
times ranked

1818
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial activity of the bufadienolides marinobufagin and telocinobufagin isolated as major components from skin secretion of the toad <i>Bufo rubescens</i> . <i>Toxicon</i> , 2005, 45, 777-782.	0.8	95
2	Disintegrins from Snake Venoms and their Applications in Cancer Research and Therapy. <i>Current Protein and Peptide Science</i> , 2015, 16, 532-548.	0.7	80
3	Functional and structural features of \hat{I}^3 -zeathonins, a new class of sodium channel blockers. <i>FEBS Letters</i> , 1998, 440, 302-306.	1.3	68
4	Hylin a1, the first cytolytic peptide isolated from the arboreal South American frog <i>Hypsiboas albopunctatus</i> (â€œspotted treefrogâ€). <i>Peptides</i> , 2009, 30, 291-296.	1.2	62
5	Influence of Nâ€terminus modifications on the biological activity, membrane interaction, and secondary structure of the antimicrobial peptide hylinâ€a1. <i>Biopolymers</i> , 2011, 96, 41-48.	1.2	59
6	A Timely Shift from Shotgun to Targeted Proteomics and How It Can Be Groundbreaking for Cancer Research. <i>Frontiers in Oncology</i> , 2017, 7, 13.	1.3	52
7	Antimicrobial Peptides from Anurans Skin Secretions. <i>Protein and Peptide Letters</i> , 2003, 10, 227-238.	0.4	48
8	Composition of indolealkylamines of <i>Bufo rubescens</i> cutaneous secretions compared to six other Brazilian bufonids with phylogenetic implications. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 134, 641-649.	0.7	44
9	Ocellatins: New Antimicrobial Peptides from the Skin Secretion of the South American Frog <i>Leptodactylus ocellatus</i> (Anura: Leptodactylidae). <i>Protein Journal</i> , 2004, 23, 501-508.	0.7	43
10	Anti-proliferative and cytotoxic activity of pentadactylin isolated from <i>Leptodactylus labyrinthicus</i> on melanoma cells. <i>Amino Acids</i> , 2011, 40, 51-59.	1.2	38
11	Mechanism of Action and Relationship Between Structure and Biological Activity of Ctx-Ha: A New Ceratotoxin-like Peptide from <i>Hypsiboas albopunctatus</i> . <i>Protein and Peptide Letters</i> , 2012, 19, 596-603.	0.4	38
12	Purification, characterization and homology analysis of ocellatin 4, a cytolytic peptide from the skin secretion of the frog <i>Leptodactylus ocellatus</i> . <i>Toxicon</i> , 2007, 50, 1095-1104.	0.8	33
13	Combinatorial Synthesis and Directed Evolution Applied to the Production of α-Helix Forming Antimicrobial Peptides Analogues. <i>Current Protein and Peptide Science</i> , 2006, 7, 473-478.	0.7	29
14	Dynamics and Conformational Studies of TOAC Spin Labeled Analogues of Ctx(Ile21)-Ha Peptide from <i>Hypsiboas albopunctatus</i> . <i>PLoS ONE</i> , 2013, 8, e60818.	1.1	29
15	Purification and characterization of a small (7.3 kDa) putative lipid transfer protein from maize seeds. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 794, 109-114.	1.2	26
16	Purification and functional characterization of a new metalloproteinase (BleucMP) from <i>Bothrops leucurus</i> snake venom. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 153, 290-300.	1.3	26
17	Cm38: A New Antimicrobial Peptide Active Against <i>Klebsiella pneumoniae</i> is Homologous to Cn11. <i>Protein and Peptide Letters</i> , 2015, 22, 164-172.	0.4	26
18	Hylins: Bombinins H Structurally Related Peptides from the Skin Secretion of the Brazilian Tree-Frog <i>Hyla biobeba</i> . <i>Protein and Peptide Letters</i> , 2005, 12, 89-93.	0.4	22

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19	DFT analysis, spectroscopic study and biological activity of a newly synthesized benzoylhydrazone binuclear Cu(II) complex. <i>Journal of Inorganic Biochemistry</i> , 2020, 204, 110949.	1.5	22
20	Proteome Analysis of Resting Human Neutrophils. <i>Protein and Peptide Letters</i> , 2006, 13, 481-487.	0.4	20
21	Proteomic Analysis of Neutrophil Priming by PAF. <i>Protein and Peptide Letters</i> , 2016, 23, 142-151.	0.4	19
22	Marine Depsipeptides as Promising Pharmacotherapeutic Agents. <i>Current Protein and Peptide Science</i> , 2016, 18, 72-91.	0.7	19
23	Purification and primary structure determination of Tf4, the first bioactive peptide isolated from the venom of the Brazilian scorpion <i>Tityus fasciolatus</i> . <i>Toxicon</i> , 2003, 41, 737-745.	0.8	18
24	Analysis of the Effect of Intestinal Ischemia and Reperfusion on the Rat Neutrophils Proteome. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 89.	1.6	18
25	Scorpion Toxins and Ion Channels: Potential Applications in Cancer Therapy. <i>Toxins</i> , 2020, 12, 326.	1.5	17
26	Stress and cell cycle regulation during somatic embryogenesis plays a key role in oil palm callus development. <i>Journal of Proteomics</i> , 2019, 192, 137-146.	1.2	15
27	Figainin 1, a Novel Amphibian Skin Peptide with Antimicrobial and Antiproliferative Properties. <i>Antibiotics</i> , 2020, 9, 625.	1.5	15
28	Mastoparans: A Group of Multifunctional α -Helical Peptides With Promising Therapeutic Properties. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	15
29	Comparison of the Neutrophil Proteome in Trauma Patients and Normal Controls. <i>Protein and Peptide Letters</i> , 2012, 19, 663-672.	0.4	14
30	The Crude Skin Secretion of the Pepper Frog <i>Leptodactylus labyrinthicus</i> Is Rich in Metallo and Serine Peptidases. <i>PLoS ONE</i> , 2014, 9, e96893.	1.1	14
31	Reconciling the IPC and Two-Hit Models: Dissecting the Underlying Cellular and Molecular Mechanisms of Two Seemingly Opposing Frameworks. <i>Journal of Immunology Research</i> , 2015, 2015, 1-11.	0.9	13
32	Root proteome and metabolome reveal a high nutritional dependency of aluminium in <i>Qualea grandiflora</i> Mart. (Vochysiaceae). <i>Plant and Soil</i> , 2020, 446, 125-143.	1.8	13
33	Biological Properties of a Novel Multifunctional Host Defense Peptide from the Skin Secretion of the Chaco Tree Frog, <i>Boana raniceps</i> . <i>Biomolecules</i> , 2020, 10, 790.	1.8	12
34	High performance mass spectrometry based proteomics reveals enzyme and signaling pathway regulation in neutrophils during the early stage of surgical trauma. <i>Proteomics - Clinical Applications</i> , 2017, 11, 1600001.	0.8	10
35	Proteomic profile of pre-implantational ovine embryos produced in vivo. <i>Reproduction in Domestic Animals</i> , 2021, 56, 586-603.	0.6	10
36	The Amazing World of Peptide Engineering: the Example of Antimicrobial Peptides from Frogs and Their Analogues. <i>Protein and Peptide Letters</i> , 2016, 23, 722-737.	0.4	10

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37	Evaluation of the effects of ischemic preconditioning on the hematological parameters of rats subjected to intestinal ischemia and reperfusion. <i>Clinics</i> , 2015, 70, 61-68.	0.6	10
38	Cytotoxic Activity and Antiproliferative Effects of Crude Skin Secretion from <i>Physalaemus nattereri</i> (Anura: Leptodactylidae) on in vitro Melanoma Cells. <i>Toxins</i> , 2015, 7, 3989-4005.	1.5	9
39	Biochemical and structural characterization of a protein complex containing a hyaluronidase and a CRISP-like protein isolated from the venom of the spider <i>Acanthoscurria natalensis</i> . <i>Journal of Proteomics</i> , 2019, 192, 102-113.	1.2	9
40	Paternal Resistance Training Induced Modifications in the Left Ventricle Proteome Independent of Offspring Diet. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-19.	1.9	9
41	Paternal Resistance Training Modulates Calcaneal Tendon Proteome in the Offspring Exposed to High-Fat Diet. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 380.	1.8	8
42	Exploring the biological activities and proteome of Brazilian scorpion <i>Rhopalurus agamemnon</i> venom. <i>Journal of Proteomics</i> , 2021, 237, 104119.	1.2	7
43	A binuclear copper(II) complex based on hydrazone ligand: Characterization, molecular docking, and theoretical and antimicrobial investigation. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6461.	1.7	7
44	Micelle Bound Structure and Model Membrane Interaction Studies of the Peptide Hylin a1 from the Arboreal South American Frog <i>Hypsiboas albopunctatus</i>. <i>Protein and Peptide Letters</i> , 2015, 22, 719-726.	0.4	7
45	Phosphoproteomic Analysis of Rat Neutrophils Shows the Effect of Intestinal Ischemia/Reperfusion and Preconditioning on Kinases and Phosphatases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5799.	1.8	6
46	Histopathological Evaluation of the Exposure by Cyanobacteria Cultive Containing [d-Leu1]Microcystin-LR on <i>Lithobates catesbeianus</i> Tadpoles. <i>Toxins</i> , 2018, 10, 318.	1.5	4
47	Salamanders and caecilians, neglected from the chemical point of view. <i>Toxin Reviews</i> , 2022, 41, 1304-1332.	1.5	4
48	Brazilian Theraphosidae: a toxicological point of view. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2021, 27, e20210004.	0.8	2
49	Analysis of skin derived peptides from the Cuyaba Dwarf Frog <i>Physalaemus nattereri</i> by off-line LC MALDI MS/MS. <i>International Journal of Mass Spectrometry</i> , 2017, 416, 90-95.	0.7	1
50	Proteome of <i>Erythroxyllum pungens</i> (Erythroxyllaceae): an endemic species of the semiarid Caatinga. <i>Plant Biosystems</i> , 0, , 1-3.	0.8	1
51	Antimicrobial activity and partial chemical structure of acylpolyamines isolated from the venom of the spider <i>Acanthoscurria natalensis</i> . <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2022, 28, e20210017.	0.8	1
52	Editorial [Peptides and Proteins in Cancer Therapy]. <i>Protein and Peptide Letters</i> , 2013, 20, 379-379.	0.4	0
53	Meet Our Editorial Board Members:. <i>Protein and Peptide Letters</i> , 2016, 23, 673-673.	0.4	0
54	Editorial (Thematic Issue: Toxins and Their Role as Therapeutic Agents). <i>Protein and Peptide Letters</i> , 2016, 23, 675-675.	0.4	0