

Leonardo de Azevedo Calderon

List of Publications by Year in descending order

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65
papers

1,444
citations

331670

21
h-index

361022

35
g-index

67
all docs

67
docs citations

67
times ranked

1926
citing authors

#	ARTICLE	IF	CITATIONS
1	Snake Venom L-Amino Acid Oxidases: Trends in Pharmacology and Biochemistry. BioMed Research International, 2014, 2014, 1-19.	1.9	135
2	Antitumoral Activity of Snake Venom Proteins: New Trends in Cancer Therapy. BioMed Research International, 2014, 2014, 1-19.	1.9	131
3	Nano and microparticulate chitosan-based systems for antiviral topical delivery. European Journal of Pharmaceutical Sciences, 2013, 48, 216-222.	4.0	64
4	Antimicrobial peptides from Phyllomedusa frogs: from biomolecular diversity to potential nanotechnologic medical applications. Amino Acids, 2011, 40, 29-49.	2.7	53
5	Genotoxic effect of Bothrops snake venoms and isolated toxins on human lymphocyte DNA. Toxicon, 2013, 65, 9-14.	1.6	52
6	Snake Venom PLA ₂ 's Inhibitors Isolated from Brazilian Plants: Synthetic and Natural Molecules. BioMed Research International, 2013, 2013, 1-8.	1.9	50
7	Snake Venom Peptides and Low Mass Proteins: Molecular Tools and Therapeutic Agents. Current Medicinal Chemistry, 2017, 24, 3254-3282.	2.4	47
8	A new hemorrhagic metalloprotease from Bothrops jararacussu snake venom: isolation and biochemical characterization. Toxicon, 2004, 44, 215-223.	1.6	42
9	Inhibition of the Myotoxicity Induced by Bothrops jararacussu Venom and Isolated Phospholipases A ₂ by Specific Camelid Single-Domain Antibody Fragments. PLoS ONE, 2016, 11, e0151363.	2.5	39
10	Effect of l-amino acid oxidase from Calloselasma rhodosthoma snake venom on human neutrophils. Toxicon, 2014, 80, 27-37.	1.6	36
11	Purification and Biochemical Characterization of Three Myotoxins from <i>Bothrops mattogrossensis</i> Snake Venom with Toxicity against <i>Leishmania</i> and Tumor Cells. BioMed Research International, 2014, 2014, 1-13.	1.9	35
12	Isolation, structural and functional characterization of a new Lys49 phospholipase A ₂ homologue from <i>Bothrops neuwiedi</i> urutu with bactericidal potential. Toxicon, 2016, 115, 13-21.	1.6	32
13	CoaTx-II, a new dimeric Lys49 phospholipase A ₂ from <i>Crotalus oreganus abyssus</i> snake venom with bactericidal potential: Insights into its structure and biological roles. Toxicon, 2016, 120, 147-158.	1.6	32
14	Activation of J77A.1 Macrophages by Three Phospholipases A ₂ Isolated from <i>Bothrops atrox</i> Snake Venom. BioMed Research International, 2014, 2014, 1-13.	1.9	29
15	Biodiversity as a Source of Bioactive Compounds Against Snakebites. Current Medicinal Chemistry, 2014, 21, 2952-2979.	2.4	29
16	Effect of <i>Bothrops bilineata</i> snake venom on neutrophil function. Toxicon, 2013, 76, 143-149.	1.6	28
17	Mechanism of the cytotoxic effect of l-amino acid oxidase isolated from <i>Bothrops alternatus</i> snake venom. International Journal of Biological Macromolecules, 2016, 92, 329-337.	7.5	28
18	Biological characterization of the Amazon coral <i>Micrurus spixii</i> snake venom: Isolation of a new neurotoxic phospholipase A ₂ . Toxicon, 2015, 103, 1-11.	1.6	27

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19	Structural and Functional Characterization of a β -Type Phospholipase A2 Inhibitor from Bothrops jararacussu Snake Plasma. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 2509-2519.	2.1	25
20	BmajPLA 2 -II, a basic Lys49-phospholipase A2 homologue from Bothrops marajoensis snake venom with parasitocidal potential. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 571-581.	7.5	24
21	ESI-MS/MS Identification of a Bradykinin-Potentiating Peptide from Amazon Bothrops atrox Snake Venom Using a Hybrid Qq-oeTOF Mass Spectrometer. <i>Toxins</i> , 2013, 5, 327-335.	3.4	23
22	Purification and pH stability characterization of a chymotrypsin inhibitor from Schizolobium parahyba seeds. <i>Phytochemistry</i> , 2004, 65, 793-799.	2.9	22
23	Biodegradable Microparticles Containing Crostamine Isolated from <i>Crotalus durissus terrificus</i> ; Display Antileishmanial Activity in vitro. <i>Pharmacology</i> , 2015, 95, 78-86.	2.2	22
24	Comparative venomics of Brazilian coral snakes: <i>Micrurus frontalis</i> , <i>Micrurus spixii spixii</i> , and <i>Micrurus surinamensis</i> . <i>Toxicon</i> , 2019, 166, 39-45.	1.6	22
25	BbrzSP-32, the first serine protease isolated from Bothrops brazili venom: Purification and characterization. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 195, 15-25.	1.8	20
26	Amazonian biodiversity: a view of drug development for Leishmaniasis and malaria. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, .	0.6	19
27	Antileishmanial activity of 3-(3,4,5-trimethoxyphenyl) propanoic acid purified from Amazonian <i>Piper tuberculatum</i> Jacq., Piperaceae, fruits. <i>Revista Brasileira De Farmacognosia</i> , 2010, 20, 1003-1006.	1.4	18
28	Action of two phospholipases A2 purified from Bothrops alternatus snake venom on macrophages. <i>Biochemistry (Moscow)</i> , 2013, 78, 194-203.	1.5	18
29	Isolation and Biochemical Characterization of a New Thrombin-Like Serine Protease from <i>Bothrops pirajai</i> Snake Venom. <i>BioMed Research International</i> , 2014, 2014, 1-13.	1.9	18
30	BbMP-1, a new metalloproteinase isolated from Bothrops brazili snake venom with in vitro antiplasmodial properties. <i>Toxicon</i> , 2015, 106, 30-41.	1.6	18
31	Antitumoral Potential of Snake Venom Phospholipases A2 and Synthetic Peptides. <i>Current Pharmaceutical Biotechnology</i> , 2016, 17, 1201-1212.	1.6	18
32	Identification of the Molecular Determinants of the Antibacterial Activity of Lmut _{TX} , a Lys49 Phospholipase A ₂ Homologue Isolated from <i>Lachesis muta muta</i> Snake Venom (Linnaeus, 1766). <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018, 122, 413-423.	2.5	17
33	Novel Camelid Antibody Fragments Targeting Recombinant Nucleoprotein of <i>Araucaria hantavirus</i> : A Prototype for an Early Diagnosis of Hantavirus Pulmonary Syndrome. <i>PLoS ONE</i> , 2014, 9, e108067.	2.5	17
34	Biochemical, functional, structural and phylogenetic studies on Intercro, a new isoform phospholipase A2 from <i>Crotalus durissus terrificus</i> snake venom. <i>Biochimie</i> , 2013, 95, 2365-2375.	2.6	14
35	Biochemical and functional studies of ColTx-I, a new myotoxic phospholipase A2 isolated from <i>Crotalus oreganus lutosus</i> (Great Basin rattlesnake) snake venom. <i>Toxicon</i> , 2016, 117, 1-12.	1.6	14
36	Venomics and antivenomics of the poorly studied Brazil's lancehead, <i>Bothrops brazili</i> (Hoge, 1954), from the Brazilian State of Pará. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2020, 26, e20190103.	1.4	14

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37	Serine protease inhibitors from Amazon leguminosae seeds: purification and preliminary characterization of two chymotrypsin inhibitors from <i>Inga umbratica</i> . <i>Protein and Peptide Letters</i> , 2001, 8, 485-493.	0.9	14
38	pH Dependence Thermal Stability of a Chymotrypsin Inhibitor from <i>Schizolobium parahyba</i> Seeds. <i>Biophysical Journal</i> , 2005, 88, 3509-3517.	0.5	12
39	A novel synthetic quinolinone inhibitor presents proteolytic and hemorrhagic inhibitory activities against snake venom metalloproteases. <i>Biochimie</i> , 2016, 121, 179-188.	2.6	12
40	Animal Toxins and Their Advantages in Biotechnology and Pharmacology. <i>BioMed Research International</i> , 2014, 2014, 1-2.	1.9	11
41	Danger in the Canopy. Comparative Proteomics and Bioactivities of the Venoms of the South American Palm Pit Viper <i>Bothrops bilineatus</i> Subspecies <i>bilineatus</i> and <i>smaragdinus</i> and Antivenomics of <i>B. b. bilineatus</i> (Rondônia) Venom against the Brazilian Pentabothropic Antivenom. <i>Journal of Proteome Research</i> , 2020, 19, 3518-3532.	3.7	11
42	Amazonian biodiversity: a view of drug development for leishmaniasis and malaria. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1944-1944.	0.6	11
43	Isolation, Biochemical Characterization and Antiparasitic Activity of BmatTX-IV, A Basic Lys49-Phospholipase A2 from the Venom of <i>Bothrops mattogrossensis</i> from Paraguay. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 2041-2048.	2.1	11
44	Chromatography - The Most Versatile Method of Chemical Analysis. , 2012, , .		11
45	Biochemical Characterization, Action on Macrophages, and Superoxide Anion Production of Four Basic Phospholipases A ₂ from Panamanian <i>Bothrops asper</i> Snake Venom. <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	10
46	A Novel Phospholipase A ₂ (D49) from the Venom of the <i>Crotalus oreganus abyssus</i> (North American) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	10
47	Exploring and understanding the functional role, and biochemical and structural characteristics of an acidic phospholipase A ₂ , ApTx-I, purified from <i>Agkistrodon piscivorus leucostoma</i> snake venom. <i>Toxicon</i> , 2017, 127, 22-36.	1.6	9
48	Biochemical and Biological Profile of Parotoid Secretion of the Amazonian <i>Rhinella marina</i> (Anura: Bufonidae). <i>BioMed Research International</i> , 2019, 2019, 1-15.	1.9	9
49	Purification and Characterization of BmooAi: A New Toxin from <i>Bothrops moojeni</i> Snake Venom That Inhibits Platelet Aggregation. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	7
50	Cinnamic acid derived compounds loaded into liposomes: antileishmanial activity, production standardisation and characterisation. <i>Journal of Microencapsulation</i> , 2015, 32, 467-477.	2.8	7
51	Antimytotoxic Activity of Synthetic Peptides Derived from <i>Bothrops atrox</i> Snake Gamma Phospholipase A ₂ Inhibitor Selected by Virtual Screening. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 1952-1961.	2.1	7
52	Evaluation of the Hypoglycemic Properties of <i>Anacardium humile</i> Aqueous Extract. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-8.	1.2	6
53	Molecular cloning and structural modelling of gamma-phospholipase A ₂ inhibitors from <i>Bothrops atrox</i> and <i>Micrurus lemniscatus</i> snakes. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 525-532.	7.5	6
54	Purification of a 6.5 kDa Protease Inhibitor from Amazon <i>Inga umbratica</i> Seeds Effective Against Serine Proteases of the Boll Weevil <i>Anthonomus grandis</i> . <i>Protein and Peptide Letters</i> , 2005, 12, 583-587.	0.9	5

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55	Partial purification of trypsin inhibitors from <i>Parkia</i> seeds (Fabaceae). <i>Hoehnea</i> (revista), 2014, 41, 181-186.	0.2	5
56	The effect of 3 β , 6 β , 16 β -trihydroxylup-20(29)-ene lupane compound isolated from <i>Combretum leprosum</i> Mart. on peripheral blood mononuclear cells. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 420.	3.7	5
57	Purification and structural stability of a trypsin inhibitor from Amazon <i>Inga cylindrica</i> [Vell.] Mart. seeds. <i>Brazilian Journal of Plant Physiology</i> , 2010, 22, 73-79.	0.5	5
58	Alkylation of Histidine Residues of <i>Bothrops jararacussu</i> Venom Proteins and Isolated Phospholipases $\text{A} \times 2$ A Biotechnological Tool to Improve the Production of Antibodies. <i>BioMed Research International</i> , 2014, 2014, 1-12.	1.9	4
59	Biochemical and Functional Characterization of <i>Parawixia bistriata</i> Spider Venom with Potential Proteolytic and Larvicidal Activities. <i>BioMed Research International</i> , 2014, 2014, 1-13.	1.9	4
60	Antiprotozoal action of synthetic cinnamic acid analogs. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2018, 51, 849-853.	0.9	4
61	Pharmacological characterization of cnidarian extracts from the Caribbean Sea: evaluation of anti-snake venom and antitumor properties. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2018, 24, 22.	1.4	4
62	Amphibia, Anura, Hylidae, Phyllomedusinae, <i>Phyllomedusa azurea</i> : distribution extension and geographic distribution map. <i>Check List</i> , 2009, 5, 317.	0.4	4
63	Insecticidal activity of <i>Leptodactylus knudseni</i> and <i>Phyllomedusa vaillantii</i> crude skin secretions against the mosquitoes <i>Anopheles darlingi</i> and <i>Aedes aegypti</i> . <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2014, 20, 28.	1.4	2
64	Biochemical characterization of a phospholipase A2 homologue from the venom of the social wasp <i>Polybia occidentalis</i> . <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2018, 24, 5.	1.4	2
65	Anuran Amphibians: A Huge and Threatened Factory of a Variety of Active Peptides with Potential Nanobiotechnological Applications in the Face of Amphibian Decline. , 2011, , .		1