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List of Publications by Year
in descending order

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114 papers	2,861 citations	136740 32 h-index	223531 46 g-index
114 all docs	114 docs citations	114 times ranked	3650 citing authors

#	Article	IF	Citations
1	Green synthesis of silver nanoparticles using the seaweed Gracilaria birdiae and their antibacterial activity. Arabian Journal of Chemistry, 2019, 12, 4182-4188.	2.3	136
2	Phylloseptins: a novel class of anti-bacterial and anti-protozoan peptides from the Phyllomedusa genus. Peptides, 2005, 26, 565-573.	1.2	103
3	Dermaseptins from Phyllomedusa oreades andPhyllomedusa distincta. Journal of Biological Chemistry, 2002, 277, 49332-49340.	1.6	101
4	Antimicrobial activity of the bufadienolides marinobufagin and telocinobufagin isolated as major components from skin secretion of the toad Bufo rubescens. Toxicon, 2005, 45, 777-782.	0.8	95
5	Novel dermaseptins from Phyllomedusa hypochondrialis (Amphibia). Biochemical and Biophysical Research Communications, 2006, 347, 739-746.	1.0	77
6	Anti-inflammatory and Antinociceptive Activity of Epiisopiloturine, an Imidazole Alkaloid Isolated from Pilocarpus microphyllus. Journal of Natural Products, 2013, 76, 1071-1077.	1.5	77
7	Activity of Epiisopiloturine Against Schistosoma mansoni. Current Medicinal Chemistry, 2012, 19, 2051-2058.	1.2	66
8	Development and Antibacterial Activity of Cashew Gum-Based Silver Nanoparticles. International Journal of Molecular Sciences, 2013, 14, 4969-4981.	1.8	64
9	Antinociceptive activity of the monoterpene Î±-phellandrene in rodents: possible mechanisms of action. Journal of Pharmacy and Pharmacology, 2012, 64, 283-292.	1.2	62
10	Collagen-based silver nanoparticles for biological applications: synthesis and characterization. Journal of Nanobiotechnology, 2014, 12, 36.	4.2	58
11	Quaternized cashew gum: An anti-staphylococcal and biocompatible cationic polymer for biotechnological applications. Carbohydrate Polymers, 2017, 157, 567-575.	5.1	57
12	In Situ Synthesis of Silver Nanoparticles in a Hydrogel of Carboxymethyl Cellulose with Phthalated-Cashew Gum as a Promising Antibacterial and Healing Agent. International Journal of Molecular Sciences, 2017, 18, 2399.	1.8	56
13	Bradykinin-related peptides from Phyllomedusa hypochondrialis. Peptides, 2006, 27, 2137-2146.	1.2	54
14	Structure and function of a novel antioxidant peptide from the skin of tropical frogs. Free Radical Biology and Medicine, 2018, 115, 68-79.	1.3	52
15	Anthelmintic Activity In Vivo of Epiisopiloturine against Juvenile and Adult Worms of Schistosoma mansoni. PLoS Neglected Tropical Diseases, 2015, 9, e0003656.	1.3	51
16	Antidiarrheal activity of cashew GUM, a complex heteropolysaccharide extracted from exudate of Anacardium occidentale L. in rodents. Journal of Ethnopharmacology, 2015, 174, 299-307.	2.0	51
17	Gastroprotective Properties of Cashew Gum, a Complex Heteropolysaccharide of Anacardium occidentale, in Naproxenâ€Induced Gastrointestinal Damage in Rats. Drug Development Research, 2015, 76, 143-151.	1.4	50
18	Antiplasmodial and antileishmanial activities of phylloseptin-1, an antimicrobial peptide from the skin secretion of Phyllomedusa azurea (Amphibia). Experimental Parasitology, 2009, 123, 11-16.	0.5	46

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19	Study of antimicrobial activity and atomic force microscopy imaging of the action mechanism of cashew tree gum. Carbohydrate Polymers, 2012, 90, 270-274.	5.1	46
20	The NMR-derived Solution Structure of a New Cationic Antimicrobial Peptide from the Skin Secretion of the Anuran Hyla punctata. Journal of Biological Chemistry, 2004, 279, 13018-13026.	1.6	44
21	Leishmanicidal Activity and Immobilization of dermaseptin 01 antimicrobial peptides in ultrathin films for nanomedicine applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2009, 5, 352-358.	1.7	44
22	Effect of neem (Azadirachta indica A. Juss) leaf extract on resistant Staphylococcus aureus biofilm formation and Schistosoma mansoni worms. Journal of Ethnopharmacology, 2015, 175, 287-294.	2.0	44
23	Delivery system for mefenamic acid based on the nanocarrier layered double hydroxide: Physicochemical characterization and evaluation of anti-inflammatory and antinociceptive potential. Materials Science and Engineering C, 2016, 58, 629-638.	3.8	42
24	Mechanisms of action of antimicrobial peptides ToAP2 and NDBP-5.7 against Candida albicans planktonic and biofilm cells. Scientific Reports, 2020, 10, 10327.	1.6	41
25	Computational quantum chemistry, molecular docking, and ADMET predictions of imidazole alkaloids of Pilocarpus microphyllus with schistosomicidal properties. PLoS ONE, 2018, 13, e0198476.	1.1	40
26	Evaluation of the in vitro Activity of Dermaseptin 01, a Cationic Antimicrobial Peptide, against Schistosoma mansoni. Chemistry and Biodiversity, 2011, 8, 548-558.	1.0	39
27	Silver nanoparticle stabilized by hydrolyzed collagen and natural polymers: Synthesis, characterization and antibacterial-antifungal evaluation. International Journal of Biological Macromolecules, 2019, 135, 808-814.	3.6	39
28	Predicting antimicrobial peptides from eukaryotic genomes: In silico strategies to develop antibiotics. Peptides, 2012, 37, 301-308.	1.2	37
29	Characterization and Biological Activities of Ocellatin Peptides from the Skin Secretion of the Frog Leptodactylus pustulatus. Journal of Natural Products, 2015, 78, 1495-1504.	1.5	37
30	Antimicrobial peptide from the skin secretion of the frog Leptodactylus syphax. Toxicon, 2007, 50, 572-580.	0.8	34
31	In Vitro Synergistic Interaction Between Amide Piplartine and Antimicrobial Peptide Dermaseptin Against Schistosoma mansoni Schistosomula and Adult Worms. Current Medicinal Chemistry, 2013, 20, 301-309.	1.2	34
32	Post-secretory events alter the peptide content of the skin secretion of Hypsiboas raniceps. Biochemical and Biophysical Research Communications, 2008, 377, 1057-1061.	1.0	33
33	Layer-by-Layer films based on biopolymers extracted from red seaweeds and polyaniline for applications in electrochemical sensors of chromium VI. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 200, 9-21.	1.7	31
34	Epiisopilosine alkaloid has activity against Schistosoma mansoni in mice without acute toxicity. PLoS ONE, 2018, 13, e0196667.	1.1	31
35	Anthelmintic, Antibacterial and Cytotoxicity Activity of Imidazole Alkaloids from Pilocarpus microphyllus Leaves. Phytotherapy Research, 2017, 31, 624-630.	2.8	30
36	Self-nanoemulsifying drug-delivery systems improve oral absorption and antischistosomal activity of epiisopiloturine. Nanomedicine, 2018, 13, 689-702.	1.7	29

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37	Dermaseptins from Phyllomedusa oreades and Phyllomedusa distincta: Secondary structure, antimicrobial activity, and mammalian cell toxicity. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 151, 336-343.	0.8	28
38	Antibacterial application of natural and carboxymethylated cashew gum-based silver nanoparticles produced by microwave-assisted synthesis. Carbohydrate Polymers, 2020, 241, 115260.	5.1	27
39	Identification of Phenolic Compounds and Evaluation of Antioxidant and Antimicrobial Properties of Euphorbia Tirucalli L.. Antioxidants, 2014, 3, 159-175.	2.2	26
40	Antibacterial, antibiofilm and cytotoxic activities of Terminalia fagifolia Mart. extract and fractions. Annals of Clinical Microbiology and Antimicrobials, 2015, 14, 25.	1.7	26
41	LAPONITEÂ®-pilocarpine hybrid material: experimental and theoretical evaluation of pilocarpine conformation. RSC Advances, 2017, 7, 27290-27298.	1.7	26
42	Cytotoxic activity of poly-É›-caprolactone lipid-core nanocapsules loaded with lycopene-rich extract from red guava (Psidium guajava L.) on breast cancer cells. Food Research International, 2020, 136, 109548.	2.9	26
43	Identification of Eschweilenol C in derivative of Terminalia fagifolia Mart. and green synthesis of bioactive and biocompatible silver nanoparticles. Industrial Crops and Products, 2019, 137, 52-65.	2.5	25
44	Sustainably produced cashew gum-capped zinc oxide nanoparticles show antifungal activity against Candida parapsilosis. Journal of Cleaner Production, 2020, 247, 119085.	4.6	25
45	Industrial Scale Isolation, Structural and Spectroscopic Characterization of Epiisopiloturine from Pilocarpus microphyllus Stapf Leaves: A Promising Alkaloid against Schistosomiasis. PLoS ONE, 2013, 8, e66702.	1.1	23
46	Involvement of Cholinergic and Opioid System inÎ³-Terpinene-Mediated Antinociception. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-9.	0.5	22
47	The Antioxidant Peptide Salamandrin-I: First Bioactive Peptide Identified from Skin Secretion of Salamandra Genus (Salamandra salamandra). Biomolecules, 2020, 10, 512.	1.8	22
48	Synergistic effects of in vitro combinations of piplartine, epiisopiloturine and praziquantel against Schistosoma mansoni. Biomedicine and Pharmacotherapy, 2017, 88, 488-499.	2.5	21
49	Thaulin-1: The first antimicrobial peptide isolated from the skin of a Patagonian frog Pleurodema thaul (Anura: Leptodactylidae: Leiuperinae) with activity against Escherichia coli. Gene, 2017, 605, 70-80.	1.0	21
50	HPLCâ€ĐAD, ESIâ€“MS/MS, and NMR of Lycopene Isolated From P. guajava L. and Its Biotechnological Applications. European Journal of Lipid Science and Technology, 2018, 120, 1700330.	1.0	21
51	Dermaseptin 01 as antimicrobial peptide with rich biotechnological potential: study of peptide interaction with membranes containing Leishmania amazonensis lipidâ€rich extract and membrane models. Journal of Peptide Science, 2011, 17, 700-707.	0.8	20
52	Development of an electrolytic method to obtain antioxidant for biodiesel from cashew nut shell liquid. Fuel, 2015, 144, 415-422.	3.4	20
53	Development and characterization of multilayer films of polyaniline, titanium dioxide and CTAB for potential antimicrobial applications. Materials Science and Engineering C, 2014, 35, 449-454.	3.8	19
54	Immobilization of cationic antimicrobial peptides and natural cashew gum in nanosheet systems for the investigation of anti-leishmanial activity. Materials Science and Engineering C, 2016, 59, 549-555.	3.8	19

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55	Novel Ocellatin Peptides Mitigate LPS-induced ROS Formation and NF-kB Activation in Microglia and Hippocampal Neurons. Scientific Reports, 2020, 10, 2696.	1.6	19
56	Anti-leishmanial activity of the antimicrobial peptide DRS 01 observed in Leishmania infantum (syn.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	18
57	Ocellatinâ€<scp>PT</scp> antimicrobial peptides: Highâ€resolution microscopy studies in antileishmania models and interactions with mimetic membrane systems. Biopolymers, 2016, 105, 873-886.	1.2	18
58	A Novel Vasoactive Proline-Rich Oligopeptide from the Skin Secretion of the Frog Brachycephalus ephippium. PLoS ONE, 2015, 10, e0145071.	1.1	17
59	Intragenic Antimicrobial Peptide Hs02 Hampers the Proliferation of Single- and Dual-Species Biofilms of P. aeruginosa and S. aureus: A Promising Agent for Mitigation of Biofilm-Associated Infections. International Journal of Molecular Sciences, 2019, 20, 3604.	1.8	17
60	Bio-Availability, Anticancer Potential, and Chemical Data of Lycopene: An Overview and Technological Prospecting. Antioxidants, 2022, 11, 360.	2.2	17
61	Intragenic antimicrobial peptides (IAPs) from human proteins with potent antimicrobial and anti-inflammatory activity. PLoS ONE, 2019, 14, e0220656.	1.1	16
62	The Skin Secretion of the Amphibian Phyllomedusa nordestina: A Source of Antimicrobial and Antiprotozoal Peptides. Molecules, 2013, 18, 7058-7070.	1.7	15
63	Epiisopiloturine hydrochloride, an imidazole alkaloid isolated from Pilocarpus microphyllus leaves, protects against naproxen-induced gastrointestinal damage in rats. Biomedicine and Pharmacotherapy, 2017, 87, 188-195.	2.5	14
64	Antifungal and anti-inflammatory potential of eschweilenol C-rich fraction derived from Terminalia fagifolia Mart. Journal of Ethnopharmacology, 2019, 240, 111941.	2.0	14
65	Lycopene-Rich Extract from Red Guava (Psidium guajava L.) Decreases Plasma Triglycerides and Improves Oxidative Stress Biomarkers on Experimentally-Induced Dyslipidemia in Hamsters. Nutrients, 2019, 11, 393.	1.7	14
66	Mechanistic Insights into the Leishmanicidal and Bactericidal Activities of Batroxicidin, a Cathelicidin-Related Peptide from a South American Viper (Bothrops atrox). Journal of Natural Products, 2021, 84, 1787-1798.	1.5	14
67	Gastric Antiulcerogenic and Hypokinetic Activities ofTerminalia fagifoliaMart. & Zucc. (Combretaceae). BioMed Research International, 2014, 2014, 1-14.	0.9	13
68	Structureâ€“Activity Relationship of Piplartine and Synthetic Analogues against Schistosoma mansoni and Cytotoxicity to Mammalian Cells. International Journal of Molecular Sciences, 2018, 19, 1802.	1.8	13
69	Dermaseptins from Phyllomedusa oreades and Phyllomedusa distincta: Liposomes fusion and/or lysis investigated by fluorescence and atomic force microscopy. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 151, 329-335.	0.8	12
70	Leptodactylus ocellatus (Amphibia): mechanism of defense in the skin and molecular phylogenetic relationships. Journal of Experimental Zoology, 2010, 313A, 1-8.	1.2	12
71	Structural characterization, antifungal and cytotoxic profiles of quaternized heteropolysaccharide from Anadenanthera colubrina. International Journal of Biological Macromolecules, 2020, 165, 279-290.	3.6	12
72	Anti-proliferative profile of Anacardium occidentale polysaccharide and characterization by AFM. International Journal of Biological Macromolecules, 2020, 156, 981-987.	3.6	12

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73	Layer-by-layer films containing peptides of the Cry1Ab16 toxin from Bacillus thuringiensis for potential biotechnological applications. Materials Science and Engineering C, 2016, 61, 832-841.	3.8	11
74	Green syntheses of silver nanoparticles using babassu mesocarp starch (Attalea speciosa Mart. ex) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Management, 2020, 13, 100281.	1.7	11
75	Green Synthesis and Characterization of Silver Nanoparticles Reduced and Stabilized by Cashew Tree Gum. Advanced Science, Engineering and Medicine, 2013, 5, 890-893.	0.3	11
76	Effects of Fish Oil Supplementation on Oxidative Stress Biomarkers and Liver Damage in Hypercholesterolemic Rats. Nutrients, 2022, 14, 426.	1.7	11
77	Collagen-based silver nanoparticles: Study on cell viability, skin permeation, and swelling inhibition. Materials Science and Engineering C, 2017, 74, 382-388.	3.8	10
78	Antimicrobial and antibiofilm activity of the benzoquinone oncocalyxone A. Microbial Pathogenesis, 2020, 149, 104513.	1.3	10
79	Topographical Analysis of Schizolobium Parahyba Chymotrypsin Inhibitor (Spci) by Atomic Force Microscopy. Protein and Peptide Letters, 2002, 9, 179-184.	0.4	10
80	Promising self-emulsifying drug delivery system loaded with lycopene from red guava (Psidium guajava) Tj ETQq0 0 0 rgBT /Overlock 10 Nanotechnology, 2021, 12, .	1.9	10
81	Toxicity Evaluation to Mice of Phylloseptin-1, an Antimicrobial Peptide from the Skin Secretion of Phyllomedusa hypochondrialis (Amphibia). International Journal of Peptide Research and Therapeutics, 2007, 13, 423-429.	0.9	9
82	In silico peptide prediction for antibody generation to recognize 5â€enolpyruvylshikimateâ€3â€phosphate synthase (<scp>EPSPS</scp>) in genetically modified organisms. Biopolymers, 2015, 104, 91-100.	1.2	9
83	Imidazole alkaloids inhibit the pro-inflammatory mechanisms of human neutrophil and exhibit anti-inflammatory propertiesin vivo. Journal of Pharmacy and Pharmacology, 2019, 71, 849-859.	1.2	9
84	Acetylated cashew gum and fucan for incorporation of lycopene rich extract from red guava (Psidium) Tj ETQq0 0 0 rgBT /Overlock 10 Biological Macromolecules, 2021, 191, 1026-1037.	3.6	9
85	Seasonal change in main alkaloids of jaborandi (Pilocarpus microphyllus Stapf ex Wardleworth), an economically important species from the Brazilian flora. PLoS ONE, 2017, 12, e0170281.	1.1	8
86	Topical protection of mice laryngeal mucosa using the natural product cashew gum. Laryngoscope, 2018, 128, 1157-1162.	1.1	8
87	Phylloseptin-1 is Leishmanicidal for Amastigotes of Leishmania amazonensis Inside Infected Macrophages. International Journal of Environmental Research and Public Health, 2020, 17, 4856.	1.2	8
88	Human Mesenchymal Stem Cells Seeded on the Natural Membrane to Neurospheres for Cholinergic-like Neurons. Membranes, 2021, 11, 598.	1.4	7
89	Effects of Ï‰-3 PUFA-Rich Oil Supplementation on Cardiovascular Morphology and Aortic Vascular Reactivity of Adult Male Rats Submitted to an Hypercholesterolemic Diet. Biology, 2022, 11, 202.	1.3	7
90	Neuroprotective effects on microglia and insights into the structureâ€“activity relationship of an antioxidant peptide isolated from Pelophylax perezi. Journal of Cellular and Molecular Medicine, 2022, 26, 2793-2807.	1.6	7

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91	A compatibility study of the prototype epiisopiloturine and pharmaceutical excipients aiming at the attainment of solid pharmaceutical forms. Journal of Thermal Analysis and Calorimetry, 2015, 120, 689-697.	2.0	6
92	Isolation and Sequencing of Cu-, Fe-, and Zn-Binding Whey Peptides for Potential Neuroprotective Applications as Multitargeted Compounds. Journal of Agricultural and Food Chemistry, 2020, 68, 12433-12443.	2.4	6
93	Antileishmanial and Immunomodulatory Effects of Dermaseptin-01, A Promising Peptide Against Leishmania amazonensis. Current Bioactive Compounds, 2017, 13, .	0.2	6
94	The peptide secreted at the water to land transition in a model amphibian has antioxidant effects. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211531.	1.2	6
95	Phenolic Lipids Derived from Cashew Nut Shell Liquid to Treat Metabolic Diseases. Journal of Medicinal Chemistry, 2022, 65, 1961-1978.	2.9	6
96	Isolation and amino acid sequencing by MALDI-TOF-MS/MS of a novel antimicrobial anionic peptide from the skin secretion of Osteocephalus taurinus (Anura, Hylidae). Journal of the Brazilian Chemical Society, 2012, 23, 2133-2136.	0.6	5
97	Structural and spectroscopic characterization of epiisopiloturine-metal complexes, and anthelmintic activity vs. S. mansoni. Journal of Coordination Chemistry, 2016, 69, 1663-1683.	0.8	5
98	Structure-function studies of BPP-BrachyNH2 and synthetic analogues thereof with Angiotensin I-Converting Enzyme. European Journal of Medicinal Chemistry, 2017, 139, 401-411.	2.6	5
99	Synthesis of novel sulfide-based cyclic peptidomimetic analogues to solonamides. Beilstein Journal of Organic Chemistry, 2019, 15, 2544-2551.	1.3	5
100	The Arsenal of Bioactive Molecules in the Skin Secretion of Urodele Amphibians. Frontiers in Pharmacology, 2021, 12, 810821.	1.6	5
101	Atomic Force Microscopy Is a Potent Technique to Study Eosinophil Activation. Frontiers in Physiology, 2019, 10, 1261.	1.3	4
102	Amphibia, Anura, Leptodactylidae, Leptodactylus syphaxÂBokermann, 1969: distribution extension and geographicÂdistribution map. Check List, 2011, 7, 592.	0.1	4
103	Cry1A(b)16 toxin from Bacillus thuringiensis : Theoretical refinement of threeâ€dimensional structure and prediction of peptides as molecular markers for detection of genetically modified organisms. Proteins: Structure, Function and Bioinformatics, 2017, 85, 1248-1257.	1.5	3
104	Sympatric occurrence of two species of Pseudopaludicola (Anura: Leptodactylidae) and first record of Pseudopaludicola jaredi Andrade, MagalhÃ£es, Nunes-de-Almeida, Veiga-Menoncello, Santana, Garda, Loebmann, Recco-Pimentel, Giaretta & Toledo, 2016 in the state of MaranhÃ£o, northeastern Brazil. Check List, 2016, 12, 2023.	0.1	3
105	A New Species ofChthonerpetonPeters 1880 (Amphibia: Gymnophiona: Typhlonectidae) from the State of PiauÃ, Northeastern Brazil. Journal of Herpetology, 2015, 49, 308-313.	0.2	2
106	Peptide selection and antibody generation for the prospective immunorecognition of Cry1Ab16 protein of transgenic maize. Food Chemistry, 2017, 231, 340-347.	4.2	2
107	Alendronate sodium-polymeric nanoparticles display low toxicity in gastric mucosal of rats and Ofcol II cells. NanoImpact, 2021, 24, 100355.	2.4	2
108	BR-bombesin: a novel bombesin-related peptide from the skin secretion of the Chaco tree frog (Boana) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.2	2

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109	Nanostructured layer-by-layer films containing phaeophytin-b: Electrochemical characterization for sensing purposes. Materials Science and Engineering C, 2015, 47, 339-344.	3.8	1
110	Peptide isolated from Cry1Ab16 toxin present in Bacillus thuringiensis: Synthesis and morphology data for layer-by-layer films studied by atomic force microscopy. Data in Brief, 2016, 8, 114-119.	0.5	1
111	Supramolecular assembly in the epiisopiloturine hydrochloride salt. Journal of Molecular Structure, 2017, 1136, 204-213.	1.8	1
112	First record of Leptodactylus sertanejo (Anura: Leptodactylidae: Leptodactylinae) in the state of MaranhÃ£o, northeastern Brazil. Check List, 2015, 11, 1776.	0.1	1
113	Layer-by-layer films based on polyaniline, titanate nanotubes, and cetyl trimethyl ammonium bromide for antifungal coatings. Journal of Coatings Technology Research, 2019, 16, 1253-1262.	1.2	0
114	Anti-Leishmania activity of extracts from Piper cabralanum C.DC. (Piperaceae). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2021, 76, 229-241.	0.6	0