Alane Beatriz Vermelho

List of Publications by Year in descending order

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133 papers 3,269 citations

168829 31 h-index 223390 49 g-index

136 all docs

136 docs citations

136 times ranked 4328 citing authors

#	Article	IF	Citations
1	An innovative spectroscopic approach for qualitative and quantitative evaluation of Mb-CO from myoglobin carbonylation reaction through chemometrics methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120602.	2.0	3
2	Hydrolyzed feather keratin obtained by microbial fermentation encapsulated with maltodextrin – A sustainable approach to increase digestible protein in feed. Biocatalysis and Agricultural Biotechnology, 2022, 40, 102297.	1.5	0
3	Chagas Disease: Drug Development and Parasite Targets. Topics in Medicinal Chemistry, 2022, , 1.	0.4	5
4	Enhanced keratinase production by Bacillus subtilis amr using experimental optimization tools to obtain feather protein lysate for industrial applications. 3 Biotech, 2022, 12, 90.	1.1	9
5	Microbial habitat specificity largely affects microbial co-occurrence patterns and functional profiles in wetland soils. Geoderma, 2022, 418, 115866.	2.3	20
6	Production, concentration and partial characterization of an enzymatic extract produced by an $\langle i \rangle$ Aspergillus niger $\langle i \rangle$ mutant in solid state fermentation. Preparative Biochemistry and Biotechnology, 2022, 52, 1109-1118.	1.0	2
7	The Natural Alkaloid Tryptanthrin Induces Apoptosis-like Death in Leishmania spp Tropical Medicine and Infectious Disease, 2022, 7, 112.	0.9	4
8	Brugmansia suaveolens Bercht. & D. Presl: phytochemistry, cytotoxicity and its larvicidal activity against Aedes aegypti L. (Diptera: Culicidae). Research, Society and Development, 2022, 11, e49411932081.	0.0	0
9	Development of hybrid vesicular nanosystems composed of lipids and chitosan for octyl methoxycinnamate encapsulation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 608, 125476.	2.3	7
10	Sulphate-reducing bacterial community structure from produced water of the Periquito and Galo de Campina onshore oilfields in Brazil. Scientific Reports, 2021, 11, 20311.	1.6	11
11	Exploring the Diversity and Biotechnological Potential of Cultured and Uncultured Coral-Associated Bacteria. Microorganisms, 2021, 9, 2235.	1.6	5
12	Actividad antimicrobiana de hongos endofÃticos aislados de Brugmansia suaveolens Bercht. & December 1. Research, Society and Development, 2021, 10, e113101421646.	0.0	2
13	Production of an endo-polygalacturonase from Fusarium proliferatum isolated from agro-industrial waste. Biocatalysis and Agricultural Biotechnology, 2021, 38, 102199.	1.5	4
14	Targeting Carbonic Anhydrases from Trypanosoma cruzi and Leishmania spp. as a Therapeutic Strategy to Obtain New Antiprotozoal Drugs. Topics in Medicinal Chemistry, $2021, 1.$	0.4	1
15	Challenges and Promises for Obtaining New Antiprotozoal Drugs: What's Going Wrong?. Topics in Medicinal Chemistry, 2021, , 321-329.	0.4	3
16	Why hasn't there been more progress in new Chagas disease drug discovery?. Expert Opinion on Drug Discovery, 2020, 15, 145-158.	2.5	44
17	Development, characterization and in vitro toxicity evaluation of nanoemulsion-loaded hydrogel based on copaiba oil and coenzyme Q10. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124132.	2.3	11
18	Development, characterization and photobiological activity of nanoemulsion containing zinc phthalocyanine for oral infections treatment. Journal of Photochemistry and Photobiology B: Biology, 2020, 211, 112010.	1.7	20

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19	Quantification of schizophyllan directly from the fermented broth by ATR-FTIR and PLS regression. Analytical Methods, 2020, 12, 5468-5475.	1.3	5
20	Photoprotective nanoemulsions containing microbial carotenoids and buriti oil: Efficacy and safety study. Arabian Journal of Chemistry, 2020, 13, 6741-6752.	2.3	15
21	Development, characterization, and anti-leishmanial activity of topical amphotericin B nanoemulsions. Drug Delivery and Translational Research, 2020, 10, 1552-1570.	3.0	22
22	Chagas Disease: Perspectives on the Past and Present and Challenges in Drug Discovery. Molecules, 2020, 25, 5483.	1.7	28
23	New method for rapid identification and quantification of fungal biomass using ergosterol autofluorescence. Talanta, 2020, 219, 121238.	2.9	11
24	Identification of Chalcone Derivatives as Inhibitors of Leishmania infantum Arginase and Promising Antileishmanial Agents. Frontiers in Chemistry, 2020, 8, 624678.	1.8	29
25	A microplate assay for extracellular hydrolase detection. Journal of Microbiological Methods, 2020, 175, 105948.	0.7	1
26	Clove oil nanoemulsion showed potent inhibitory effect against <i>Candida</i> spp Nanotechnology, 2019, 30, 425101.	1.3	15
27	Carotenoids from UV-resistant Antarctic Microbacterium sp. LEMMJ01. Scientific Reports, 2019, 9, 9554.	1.6	52
28	î²-Carboline-1-propionic acid alkaloid: antileishmanial and cytotoxic effects. Revista Brasileira De Farmacognosia, 2019, 29, 755-762.	0.6	11
29	Evaluation of Kluyveromyces marxianus endo-polygalacturonase activity through ATR-FTIR. Analyst, The, 2019, 144, 4111-4120.	1.7	4
30	Appraisal of anti-protozoan activity of nitroaromatic benzenesulfonamides inhibiting carbonic anhydrases from <i>Trypanosoma cruzi </i> li>and <i>Leishmania donovani </i> li>. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1164-1171.	2.5	18
31	<i>Leishmania infantum</i> arginase: biochemical characterization and inhibition by naturally occurring phenolic substances. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1100-1109.	2.5	28
32	Nanovesicle-based formulations for photoprotection: a safety and efficacy approach. Nanotechnology, 2019, 30, 345102.	1.3	11
33	Brazilian stingless bee propolis and geopropolis: promising sources of biologically active compounds. Revista Brasileira De Farmacognosia, 2019, 29, 389-399.	0.6	68
34	Keratinolytic activity of Bacillus subtilis LFB-FIOCRUZ 1266 enhanced by whole-cell mutagenesis. 3 Biotech, 2019, 9, 2.	1.1	18
35	N-Nitrosulfonamides as Carbonic Anhydrase Inhibitors: A Promising Chemotype for Targeting Chagas Disease and Leishmaniasis. ACS Medicinal Chemistry Letters, 2019, 10, 413-418.	1.3	21
36	Antiparasitic Activity and Characterization of Lignans from the Ethanolic Extract of Zanthoxylum monogynum A. St-Hil. Leaves. Revista Virtual De Quimica, 2019, 11, 1498-1512.	0.1	1

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37	Antileishmanial activity of sulphonamide nanoemulsions targeting the $\langle b \rangle \hat{l}^2 \langle b \rangle$ -carbonic anhydrase from $\langle i \rangle$ Leishmania $\langle i \rangle$ species. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 850-857.	2.5	38
38	Nanoemulsions of sulfonamide carbonic anhydrase inhibitors strongly inhibit the growth of <i>Trypanosoma cruzi</i> . Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 139-146.	2.5	52
39	Carbonic anhydrases from Trypanosoma and Leishmania as anti-protozoan drug targets. Bioorganic and Medicinal Chemistry, 2017, 25, 1543-1555.	1.4	52
40	Development and evaluation of zinc phthalocyanine nanoemulsions for use in photodynamic therapy for <i>Leishmania</i> Spp <i>.</i> . Nanotechnology, 2017, 28, 065101.	1.3	33
41	Cytotoxicity and anti- <i>Leishmania amazonensis</i> activity of <i>Citrus sinensis</i> leaf extracts. Pharmaceutical Biology, 2017, 55, 1780-1786.	1.3	21
42	Production of feather protein hydrolyzed by B.Âsubtilis AMR and its application in a blend with cornmeal by extrusion. LWT - Food Science and Technology, 2017, 84, 701-709.	2.5	28
43	Draft Genome Sequence of Microbacterium sp. Strain LEMMJ01, Isolated from Antarctic Ornithogenic Soil. Genome Announcements, 2017, 5, .	0.8	3
44	Antigenotoxic Effect of Piperine in Broiler Chickens Intoxicated with Aflatoxin B1. Toxins, 2016, 8, 316.	1.5	18
45	Genome Sequence of KP-Rio/2015, a Novel Klebsiella pneumoniae (Podoviridae) Phage. Genome Announcements, 2016, 4, .	0.8	4
46	Biodegradation of keratin by Trichosporum loubieri RC-S6 isolated from tannery/leather waste. International Biodeterioration and Biodegradation, 2016, 115, 199-204.	1.9	18
47	In vitro and in vivo evaluation of efficacy and safety of photoprotective formulations containing antioxidant extracts. Revista Brasileira De Farmacognosia, 2016, 26, 251-258.	0.6	55
48	Hydroxamic acid derivatives: a promising scaffold for rational compound optimization in Chagas disease. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 964-973.	2.5	23
49	Natural Products: Insights into Leishmaniasis Inflammatory Response. Mediators of Inflammation, 2015, 2015, 1-12.	1.4	52
50	A new class of quinazoline-sulfonamides acting as efficient inhibitors against the α-carbonic anhydrase from <i>Trypanosoma cruzi</i> . Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 581-585.	2.5	26
51	Extracellular peptidases from Deinococcus radiodurans. Extremophiles, 2015, 19, 989-999.	0.9	15
52	Marine Extremophiles: A Source of Hydrolases for Biotechnological Applications. Marine Drugs, 2015, 13, 1925-1965.	2.2	209
53	Liposomal Formulation of Turmerone-Rich Hexane Fractions from <i>Curcuma longa</i> Enhances Their Antileishmanial Activity. BioMed Research International, 2014, 2014, 1-8.	0.9	13
54	Arrabidaea chicaHexanic Extract Induces Mitochondrion Damage and Peptidase Inhibition onLeishmaniaspp BioMed Research International, 2014, 2014, 1-7.	0.9	31

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55	Design, Synthesis, and Evaluation of Hydroxamic Acid Derivatives as Promising Agents for the Management of Chagas Disease. Journal of Medicinal Chemistry, 2014, 57, 298-308.	2.9	69
56	Inhibitory effect of linalool-rich essential oil from Lippia alba on the peptidase and keratinase activities of dermatophytes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 12-17.	2.5	17
57	A Class of Sulfonamides with Strong Inhibitory Action against the α-Carbonic Anhydrase from <i>Trypanosoma cruzi</i> . Journal of Medicinal Chemistry, 2013, 56, 5773-5781.	2.9	56
58	Allelopathy as a potential strategy to improve microalgae cultivation. Biotechnology for Biofuels, 2013, 6, 152.	6.2	106
59	In vitro cytocidal effects of the essential oil from Croton cajucara (red sacaca) and its major constituent 7- hydroxycalamenene against Leishmania chagasi. BMC Complementary and Alternative Medicine, 2013, 13, 249.	3.7	40
60	Degradation of feather waste by Aspergillus niger keratinases: Comparison of submerged and solid-state fermentation. International Biodeterioration and Biodegradation, 2013, 85, 189-195.	1.9	66
61	Cloning, Characterization, and Sulfonamide and Thiol Inhibition Studies of an α-Carbonic Anhydrase fromTrypanosoma cruzi, the Causative Agent of Chagas Disease. Journal of Medicinal Chemistry, 2013, 56, 1761-1771.	2.9	89
62	Diversity and Biotechnological Applications of Prokaryotic Enzymes., 2013,, 213-240.		6
63	Feather keratin hydrolysates obtained from microbial keratinases: effect on hair fiber. BMC Biotechnology, 2013, 13, 15.	1.7	72
64	Anion inhibition studies of the \hat{l}_{\pm} -carbonic anhydrase from the protozoan pathogen Trypanosoma cruzi, the causative agent of Chagas disease. Bioorganic and Medicinal Chemistry, 2013, 21, 4472-4476.	1.4	49
65	Cloning, Characterization, and Inhibition Studies of a \hat{l}^2 -Carbonic Anhydrase from Leishmania donovani chagasi, the Protozoan Parasite Responsible for Leishmaniasis. Journal of Medicinal Chemistry, 2013, 56, 7372-7381.	2.9	87
66	Therapeutic Potential of Hydroxamic Acids for Microbial Diseases. , 2013, , 255-279.		0
67	Assay Method for Transglutaminase Activity. , 2013, , 208-225.		1
68	Qualitative and Quantitative to Determine Peptidase Activity., 2013,, 262-280.		0
69	Keratinases: Detection Methods. , 2013, , 226-261.		1
70	Microbial Enzyme: Applications in Industry and in Bioremediation. Enzyme Research, 2012, 2012, 1-2.	1.8	15
71	Keratinases and sulfide from Bacillus subtilis SLC to recycle feather waste. World Journal of Microbiology and Biotechnology, 2012, 28, 1259-1269.	1.7	66
72	Increased expression of keratinase and other peptidases by Candida parapsilosis mutants. Brazilian Journal of Medical and Biological Research, 2011, 44, 212-216.	0.7	22

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73	Genomic and proteomic analyses of the coral pathogen <i>Vibrio corallilyticus</i> reveal a diverse virulence repertoire. ISME Journal, 2011, 5, 1471-1483.	4.4	103
74	Biodegradation of feather waste by extracellular keratinases and gelatinases from Bacillus spp World Journal of Microbiology and Biotechnology, 2011, 27, 1355-1365.	1.7	73
75	Keratinase Production by Three <i>Bacillus</i> spp. Using Feather Meal and Whole Feather as Substrate in a Submerged Fermentation. Enzyme Research, 2011, 2011, 1-7.	1.8	53
76	Petroleum-Degrading Enzymes: Bioremediation and New Prospects. Enzyme Research, 2011, 2011, 1-7.	1.8	109
77	Editorial [Hot Topic: Enzyme Inhibitors as New Drugs for Microbial Diseases Control: Part II (Guest) Tj ETQq1 1 0.	784314 rg	gBT/Overlo <mark>ck</mark>
78	Editorial [Hot Topic: Enzyme Inhibitors as New Drugs for Microbial Diseases Control: Part I (Guest) Tj ETQq0 0 0 0	gBT /Over	lock 10 Tf 50
79	A new experimental culture medium for cultivation of Leishmania amazonensis: its efficacy for the continuous in vitro growth and differentiation of infective promastigote forms. Parasitology Research, 2010, 106, 1249-1252.	0.6	32
80	Identification of a Candida parapsilosis Strain Producing Extracellular Serine Peptidase with Keratinolytic Activity. Mycopathologia, 2010, 169, 57-65.	1.3	25
81	Detection of matrix metallopeptidase-9-like proteins in Trypanosoma cruzi. Experimental Parasitology, 2010, 125, 256-263.	0.5	27
82	Keratinolytic activity of Bacillus subtilis AMR using human hair. Letters in Applied Microbiology, 2010, 50, 89-96.	1.0	49
83	Peptidase Inhibitors as a Possible Therapeutic Strategy for Chagas Disease. Current Enzyme Inhibition, 2010, 6, 183-194.	0.3	6
84	Biological Roles of Peptidases in Trypanosomatids~!2009-11-26~!2010-02-15~!2010-03-18~!. The Open Parasitology Journal, 2010, 4, 5-23.	1.7	13
85	Trypanosomatids: Odd Organisms, Devastating Diseases. The Open Parasitology Journal, 2010, 4, 30-59.	1.7	36
86	Structures of Glycolipids Found in Trypanosomatids: Contribution to Parasite Functions. The Open Parasitology Journal, 2010, 4, 84-97.	1.7	9
87	Intracellular Signaling Pathways Involved in Cell Differentiation in Trypanosomatids. The Open Parasitology Journal, 2010, 4, 102-110.	1.7	6
88	Trypanosoma cruzi Peptidases: An Overview. The Open Parasitology Journal, 2010, 4, 120-131.	1.7	5
89	Editorial - Trypanosomatidae Family: Biochemical Features. The Open Parasitology Journal, 2010, 4, 29-29.	1.7	0
90	<i>Bodo</i> sp., a Freeâ€Living Flagellate, Expresses Divergent Proteolytic Activities from the Closely Related Parasitic Trypanosomatids. Journal of Eukaryotic Microbiology, 2009, 56, 454-458.	0.8	4

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91	Identification, antifungal susceptibility and scanning electron microscopy of a keratinolytic strain ofRhodotorula mucilaginosa: a primary causative agent of onychomycosis. FEMS Immunology and Medical Microbiology, 2009, 55, 396-403.	2.7	20
92	A 25-kDa Serine Peptidase with Keratinolytic Activity Secreted by Coccidioides immitis. Mycopathologia, 2008, 166, 35-40.	1.3	9
93	In vitro evidence for metallopeptidase participation in hepatocyte damage induced by Leishmania chagasi-infected macrophages. Acta Tropica, 2008, 106, 175-183.	0.9	20
94	Analysis of Peptidases in Non-Infected and Trypanosoma cruzi-Infected Mouse Embryo Hepatocyte Cells. International Journal of Biomedical Science, 2008, 4, 97-102.	0.5	0
95	Phytomonas serpens: immunological similarities with the human trypanosomatid pathogens. Microbes and Infection, 2007, 9, 915-921.	1.0	33
96	Peptidase profiles from non-albicans Candidaspp. isolated from the blood of a patient with chronic myeloid leukemia and another with sickle cell disease. FEMS Yeast Research, 2007, 7, 1004-1012.	1.1	14
97	Trypanosomatidae Peptidases: A Target for Drugs Development. Current Enzyme Inhibition, 2007, 3, 19-48.	0.3	38
98	Insights into the role of gp63-like proteins in lower trypanosomatids. FEMS Microbiology Letters, 2006, 254, 149-156.	0.7	29
99	Peptidases and gp63-like proteins in Herpetomonas megaseliae: Possible involvement in the adhesion to the invertebrate host. International Journal for Parasitology, 2006, 36, 415-422.	1.3	23
100	Proteolytic expression inBlastocrithidia culicis: influence of the endosymbiont and similarities with virulence factors of pathogenic trypanosomatids. Parasitology, 2005, 130, 413-420.	0.7	26
101	Influence of the endosymbiont ofBlastocrithidia culicisandCrithidia deaneion the glycoconjugate expression and onAedes aegyptiinteraction. FEMS Microbiology Letters, 2005, 252, 279-286.	0.7	17
102	Proteolytic activities in Trypanosoma rangeli and stercorarian trypanosomes: taxonomic implications. Parasitology Research, 2004, 94, 342-348.	0.6	6
103	Differential lectin recognition of glycoproteins in choanomastigote-shaped trypanosomatids: taxonomic implications. FEMS Microbiology Letters, 2004, 231, 171-176.	0.7	20
104	Reduced activity of matrix metalloproteinase-9 in trypanosoma cruzi-infected mouse embryo hepatocyte cell. Hepatology Research, 2004, 28, 49-56.	1.8	21
105	Extracellular metalloproteinase activity in Phytomonas françai. Parasitology Research, 2003, 89, 320-322.	0.6	12
106	A novel extracellular calcium-dependent cysteine proteinase from Crithidia deanei. Archives of Biochemistry and Biophysics, 2003, 420, 1-8.	1.4	29
107	A metalloproteinase extracellularly released byCrithidia deanei. Canadian Journal of Microbiology, 2003, 49, 625-632.	0.8	21
108	Extracellular metalloproteinases inPhytomonas serpens. Canadian Journal of Microbiology, 2003, 49, 221-224.	0.8	14

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109	Crithidia guilhermei: gelatin- and haemoglobin-degrading extracellular metalloproteinases. Experimental Parasitology, 2002, 102, 150-156.	0.5	21
110	Surface component characterization as taxonomic tools for Phytomonas spp identification. Parasitology Research, 2001, 87, 138-144.	0.6	5
111	Crithidia guilhermei: Purification and Partial Characterization of a 62-kDa Extracellular Metalloproteinase. Experimental Parasitology, 2001, 97, 1-8.	0.5	22
112	Differential expression of proteolytic enzymes in endosymbiont-harboringCrithidiaspecies. FEMS Microbiology Letters, 2001, 202, 73-77.	0.7	30
113	Identification and properties of two extracellular proteases from Brevundimonas diminuta. Brazilian Journal of Microbiology, 2000, 31, 25-29.	0.8	6
114	Extracellular serine-proteinases isolated from Streptomyces alboniger: Partial characterization and effect of aprotinin on cellular structure. Memorias Do Instituto Oswaldo Cruz, 1999, 94, 763-770.	0.8	6
115	Trypanosoma cruzi-cardiomyocytes: new contributions regarding a better understanding of this interaction. Memorias Do Instituto Oswaldo Cruz, 1999, 94, 149-152.	0.8	17
116	Purification and partial characterization of an extracellular serine-proteinase of Streptomyces cyaneus isolated from Brazilian cerrado soil. Journal of Applied Microbiology, 1999, 87, 557-563.	1.4	17
117	Structural studies on the polar glycoinositol phospholipids of Trypanosoma (Schizotrypanum) dionisii from bats. Molecular and Biochemical Parasitology, 1999, 102, 179-189.	0.5	10
118	Influence of Growth Medium in Proteinase and Pigment Production by Streptomyces cyaneus. Memorias Do Instituto Oswaldo Cruz, 1999, 94, 173-177.	0.8	14
119	Heart muscle cells share common neutral glycosphingolipids with Trypanosoma cruzi. Acta Tropica, 1997, 64, 131-143.	0.9	22
120	Detection of extracellular proteases from microorganisms on agar plates. Memorias Do Instituto Oswaldo Cruz, 1996, 91, 755-760.	0.8	87
121	Ubiquity of Cysteine- and Metalloproteinase Activities in a Wide Range of Trypanosomatids. Journal of Eukaryotic Microbiology, 1996, 43, 131-135.	0.8	37
122	Monohexosylceramides of Trypanosoma dionisii. Journal of Eukaryotic Microbiology, 1996, 43, 486-8.	0.8	2
123	Use of glycoconjugates for trypanosomatid taxonomy. Current Microbiology, 1995, 30, 77-82.	1.0	5
124	Sialoglycoconjugates in Trypanosoma cruzi-host cell interaction: possible biological model - a review. Memorias Do Instituto Oswaldo Cruz, 1994, 89, 69-79.	0.8	17
125	Alterations induced by penicillin in the protein profile and cell structure of Group GStreptococcus. Current Microbiology, 1994, 28, 269-273.	1.0	0
126	Glycolipid and protein profiles in trypanosomatids. Parasitology Research, 1994, 80, 336-341.	0.6	7

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127	Characterization of proteinases in trypanosomatids. Brazilian Journal of Medical and Biological Research, 1994, 27, 495-9.	0.7	3
128	Glycolipid and protein profiles of normal and Trypanosoma cruzi infected heart muscle cells. Acta Tropica, 1992, 52, 17-25.	0.9	8
129	Structural characterization of neutral glycosphingolipids from Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1992, 51, 263-270.	0.5	30
130	Isolation and Characterization of a Neutral Glycosphingolipid from the Epimastigote Form of Trypanosoma megal. Journal of Protozoology, 1986, 33, 208-213.	0.9	16
131	Glycolipid components of epimastigote forms of Trypanosoma cruzi. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1985, 80, 543-545.	0.2	11
132	Leishmaniasis: Possible New Strategies for Treatment. , 0, , .		3
133	Development and characterization of photoprotective formulations containing keratin particles. Brazilian Journal of Pharmaceutical Sciences, 0, 55, .	1.2	4