

Maria Belen Cassera

List of Publications by Year in descending order

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77
papers

2,125
citations

236925

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h-index

265206

42
g-index

81
all docs

81
docs citations

81
times ranked

3172
citing authors

#	ARTICLE	IF	CITATIONS
1	Picomolar antimalarial agent from a Chinese medicinal plant. <i>Science China Chemistry</i> , 2022, 65, 82-86.	8.2	24
2	Antimalarial Natural Products. <i>Progress in the Chemistry of Organic Natural Products</i> , 2022, 117, 1-106.	1.1	10
3	<scp>Cephalotane</scp> Norditerpenoids from <i>Cephalotaxus fortunei</i> var. <i>alpina</i>. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1177-1184.	4.9	20
4	Enantiopure Benzofuran-2-carboxamides of 1-Aryltetrahydro- β -carbolines Are Potent Antimalarials <i>In Vitro</i>. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 371-376.	2.8	5
5	Malaria Box-Inspired Discovery of <i>N</i>-Aminoalkyl- β -carboline-3-carboxamides, a Novel Orally Active Class of Antimalarials. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 365-370.	2.8	6
6	Alkyne modified purines for assessment of activation of <i>Plasmodium vivax</i> hypnozoites and growth of pre-erythrocytic and erythrocytic stages in <i>Plasmodium</i> spp. <i>International Journal for Parasitology</i> , 2022, , .	3.1	6
7	Lysosomal cholesterol accumulation contributes to the movement phenotypes associated with NUS1 haploinsufficiency. <i>Genetics in Medicine</i> , 2021, 23, 1305-1314.	2.4	17
8	Trichloranoids Aâ€D, antimalarial sesquiterpenoid trimers from <i>Chloranthus spicatus</i>. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1795-1801.	4.5	29
9	Anibamine and Its Analogues: Potent Antiplasmodial Agents from <i>Aniba citrifolia</i> . <i>Journal of Natural Products</i> , 2020, 83, 569-577.	3.0	7
10	Resistance to Some But Not Other Dimeric Lindenane Sesquiterpenoid Esters Is Mediated by Mutations in a <i>Plasmodium falciparum</i> Esterase. <i>ACS Infectious Diseases</i> , 2020, 6, 2994-3003.	3.8	11
11	Probing the B- & C-rings of the antimalarial tetrahydro- β -carboline MMV008138 for steric and conformational constraints. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127520.	2.2	6
12	Metabolomics profiling reveals new aspects of dolichol biosynthesis in <i>Plasmodium falciparum</i> . <i>Scientific Reports</i> , 2020, 10, 13264.	3.3	16
13	Antimalarial diterpenoids from <i>Vitex rotundifolia</i> : Isolation, structure elucidation, and in vitro antiplasmodial activity. <i>Bioorganic Chemistry</i> , 2020, 100, 103925.	4.1	7
14	Limonoids from <i>Cipadessa baccifera</i>. <i>Journal of Natural Products</i> , 2020, 83, 1751-1765.	3.0	13
15	Structurally Interesting Diarymethane Derivatives from <i>Securidaca inappendiculata</i>. <i>Chinese Journal of Chemistry</i> , 2020, 38, 812-816.	4.9	7
16	Galtonosides Aâ€E: Antiproliferative and Antiplasmodial Cholestane Glycosides from <i>Galtonia regalis</i>. <i>Journal of Natural Products</i> , 2020, 83, 1043-1050.	3.0	5
17	Flavanones from the Twigs and Barks of <i>Artocarpus lakoocha</i>; Having Antiplasmodial and Anti-TB Activities. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 671-674.	1.3	5
18	Isolation and characterization of antiplasmodial constituents from the marine sponge <i>Coscinoderma</i> sp.. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2019, 74, 313-318.	1.4	4

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19	Metabolic dependency of chorismate in <i>Plasmodium falciparum</i> suggests an alternative source for the ubiquinone biosynthesis precursor. <i>Scientific Reports</i> , 2019, 9, 13936.	3.3	8
20	Phloroglucinols from the Roots of <i>Garcinia dauphinensis</i> and Their Antiproliferative and Antiplasmodial Activities. <i>Journal of Natural Products</i> , 2019, 82, 431-439.	3.0	16
21	Antiplasmodial Chromanes and Chromenes from the Monotypic Plant Species <i>Koeberlinia spinosa</i> . <i>Journal of Natural Products</i> , 2018, 81, 475-483.	3.0	15
22	Biological Studies and Target Engagement of the 2-C-Methyl-Erythritol 4-Phosphate Cytidyltransferase (IspD)-Targeting Antimalarial Agent (1 <i>R</i> ,3 <i>S</i>)-MMV008138 and Analogs. <i>ACS Infectious Diseases</i> , 2018, 4, 549-559.	3.8	33
23	Cipaferoids C, Three Limonoids Represent Two Different Scaffolds from <i>Cipadessa baccifera</i> . <i>Chinese Journal of Chemistry</i> , 2018, 36, 124-128.	4.9	9
24	Antiplasmodial alkaloids from bulbs of <i>Amaryllis belladonna</i> Steud.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 40-42.	2.2	27
25	Antiplasmodial flavanones and a stilbene from <i>Carpha glomerata</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3368-3371.	2.2	8
26	Antiplasmodial Diterpenoids and a Benzotropolone from <i>Petradoria pumila</i> . <i>Journal of Natural Products</i> , 2018, 81, 1260-1265.	3.0	4
27	Antimalarial activity of the isolates from the marine sponge <i>Hyrtios erectus</i> against the chloroquine-resistant Dd2 strain of <i>Plasmodium falciparum</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2018, 73, 397-400.	1.4	11
28	Natural Products as a Source to Discover Novel Drug Targets in <i>P. falciparum</i> . <i>FASEB Journal</i> , 2018, 32, 656.22.	0.5	0
29	Fortunoids C, Three Sesquiterpenoid Dimers with Different Carbon Skeletons from <i>Chloranthus fortunei</i> . <i>Organic Letters</i> , 2017, 19, 734-737.	4.6	58
30	Antiplasmodial Sesquiterpenoid Lactones from <i>Trichospira verticillata</i> : Structure Elucidation by Spectroscopic Methods and Comparison of Experimental and Calculated ECD Data. <i>Journal of Natural Products</i> , 2017, 80, 1639-1647.	3.0	23
31	Bioactive Neolignans and Other Compounds from <i>Magnolia grandiflora</i> L.: Isolation and Antiplasmodial Activity. <i>Chemistry and Biodiversity</i> , 2017, 14, e1700209.	2.1	10
32	Isolation, structure elucidation, and synthesis of antiplasmodial quinolones from <i>Crinum firmifolium</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4203-4211.	3.0	14
33	Metabolomic profiling reveals a finely tuned, starvation-induced metabolic switch in <i>Trypanosoma cruzi</i> epimastigotes. <i>Journal of Biological Chemistry</i> , 2017, 292, 8964-8977.	3.4	58
34	Nanomolar Antimalarial Agents against Chloroquine-Resistant <i>Plasmodium falciparum</i> from Medicinal Plants and Their Structure-Activity Relationships. <i>Journal of Natural Products</i> , 2017, 80, 96-107.	3.0	77
35	Isolation of the New Antiplasmodial Butanolide, Malleastrumolide A, from <i>Malleastrum</i> sp. (Meliaceae) from Madagascar. <i>Chemistry and Biodiversity</i> , 2017, 14, e1700331.	2.1	9
36	New Antiplasmodial Diterpenes from <i>Gutierrezia Sarothrae</i> . <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	1

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37	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. <i>PLoS Pathogens</i> , 2016, 12, e1005763.	4.7	244
38	A role for adenine nucleotides in the sensing mechanism to purine starvation in <i>Leishmania donovani</i> . <i>Molecular Microbiology</i> , 2016, 101, 299-313.	2.5	19
39	Antiplasmodial phloroglucinol derivatives from <i>Syncarpia glomulifera</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 2544-2548.	3.0	11
40	Euphorbesulins A-P, Structurally Diverse Diterpenoids from <i>Euphorbia esula</i> . <i>Journal of Natural Products</i> , 2016, 79, 1952-1961.	3.0	45
41	Furoquinoline Alkaloids and Methoxyflavones from the Stem Bark of <i>Melicope madagascariensis</i> (Baker) T.G. Hartley. <i>Natural Products and Bioprospecting</i> , 2016, 6, 261-265.	4.3	12
42	Antimalarial diterpenoid dimers of a new carbon skeleton from <i>Aphanamixis grandifolia</i> . <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 957-962.	2.8	20
43	New Antiplasmodial Diterpenes from <i>Gutierrezia sarothrae</i> . <i>Natural Product Communications</i> , 2016, 11, 719-21.	0.5	2
44	Antimalarial 5,6-Dihydro- β -pyrones from <i>Cryptocarya rigidifolia</i> : Related Bicyclic Tetrahydro- β -Pyrones Are Artifacts. <i>Journal of Natural Products</i> , 2015, 78, 1330-1338.	3.0	44
45	Determination of the active stereoisomer of the MEP pathway-targeting antimalarial agent MMV008138, and initial structure-activity studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 1515-1519.	2.2	24
46	Neolignans and Other Metabolites from <i>Ocotea cymosa</i> from the Madagascar Rain Forest and Their Biological Activities. <i>Journal of Natural Products</i> , 2015, 78, 431-440.	3.0	22
47	Cyclic di-GMP Modulates Gene Expression in Lyme Disease Spirochetes at the Tick-Mammal Interface To Promote Spirochete Survival during the Blood Meal and Tick-to-Mammal Transmission. <i>Infection and Immunity</i> , 2015, 83, 3043-3060.	2.2	86
48	Antiproliferative Compounds from <i>Cleistanthus boivinianus</i> from the Madagascar Dry Forest. <i>Journal of Natural Products</i> , 2015, 78, 1543-1547.	3.0	19
49	Quantification of nerolidol in mouse plasma using gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 100-103.	2.8	7
50	Antiproliferative and antiplasmodial compounds from selected <i>Streptomyces</i> species. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5646-5649.	2.2	23
51	Antiplasmodial Isoflavanes and Pterocarpanes from <i>Apoplanesia paniculata</i> . <i>Planta Medica</i> , 2015, 81, 1128-1132.	1.3	7
52	New Bioactive Lupane Triterpene Coumaroyl Esters Isolated from <i>Buxus cochinchinensis</i> . <i>Planta Medica</i> , 2015, 81, 1133-1140.	1.3	8
53	Isoprenoid Precursor Biosynthesis Is the Essential Metabolic Role of the Apicoplast during Gametocytogenesis in <i>Plasmodium falciparum</i> . <i>Eukaryotic Cell</i> , 2015, 14, 128-139.	3.4	39
54	Antiproliferative and Antimalarial Sesquiterpene Lactones from <i>Piptocoma antillana</i> from Puerto Rico [1]. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400901.	0.5	4

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55	Antipicoplast and Gametocytocidal Screening To Identify the Mechanisms of Action of Compounds within the Malaria Box. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 811-819.	3.2	91
56	Inhibition and Structure of <i>Toxoplasma gondii</i> Purine Nucleoside Phosphorylase. <i>Eukaryotic Cell</i> , 2014, 13, 572-579.	3.4	16
57	Aphadilactones A–D, Four Diterpenoid Dimers with DGAT Inhibitory and Antimalarial Activities from a Meliaceae Plant. <i>Journal of Organic Chemistry</i> , 2014, 79, 599-607.	3.2	43
58	Isolation of antiplasmodial anthraquinones from <i>Kniphofia ensifolia</i> , and synthesis and structure–activity relationships of related compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 269-276.	3.0	30
59	Comprehensive quantitative analysis of purines and pyrimidines in the human malaria parasite using ion-pairing ultra-performance liquid chromatography–mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 967, 127-133.	2.3	23
60	<i>Plasmodium vivax</i> malaria elimination: should innovative ideas from the past be revisited?. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2014, 109, 522-524.	1.6	8
61	Bioactive compounds from <i>Stuhlmannia moavi</i> from the Madagascar dry forest. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7591-7594.	3.0	8
62	Generating S-Nitrosothiols from Hemoglobin. <i>Journal of Biological Chemistry</i> , 2013, 288, 22408-22425.	3.4	28
63	Antiproliferative and Antiplasmodial Dimeric Phloroglucinols from <i>Mallotus oppositifolius</i> from the Madagascar Dry Forest. <i>Journal of Natural Products</i> , 2013, 76, 388-393.	3.0	43
64	Transition State Analogues of <i>Plasmodium falciparum</i> and Human Orotate Phosphoribosyltransferases. <i>Journal of Biological Chemistry</i> , 2013, 288, 34746-34754.	3.4	18
65	A New Bioactive Diterpene Glycoside from <i>Molinia Retusa</i> from the Madagascar Dry Forest. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	2
66	Acyclic Immucillin Phosphonates: Second-Generation Inhibitors of <i>Plasmodium falciparum</i> Hypoxanthine-Guanine-Xanthine Phosphoribosyltransferase. <i>Chemistry and Biology</i> , 2012, 19, 721-730.	6.0	59
67	Luciferase-Based Assay for Adenosine: Application to S-Adenosyl-L-homocysteine Hydrolase. <i>Analytical Chemistry</i> , 2012, 84, 3593-3598.	6.5	23
68	Transition-State Analysis of <i>Trypanosoma cruzi</i> Uridine Phosphorylase-Catalyzed Arsenolysis of Uridine. <i>Journal of the American Chemical Society</i> , 2011, 133, 9923-9931.	13.7	17
69	A High-Affinity Adenosine Kinase from <i>Anopheles gambiae</i> . <i>Biochemistry</i> , 2011, 50, 1885-1893.	2.5	12
70	<i>Plasmodium falciparum</i> Parasites Are Killed by a Transition State Analogue of Purine Nucleoside Phosphorylase in a Primate Animal Model. <i>PLoS ONE</i> , 2011, 6, e26916.	2.5	58
71	Purine and Pyrimidine Pathways as Targets in <i>Plasmodium falciparum</i> . <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 2103-2115.	2.1	121
72	Growth and Metastases of Human Lung Cancer Are Inhibited in Mouse Xenografts by a Transition State Analogue of 5-Methylthioadenosine Phosphorylase. <i>Journal of Biological Chemistry</i> , 2011, 286, 4902-4911.	3.4	60

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73	Transport of purines and purine salvage pathway inhibitors by the Plasmodium falciparum equilibrative nucleoside transporter PfENT1. <i>Molecular and Biochemical Parasitology</i> , 2010, 169, 40-49.	1.1	31
74	Erythrocytic Adenosine Monophosphate as an Alternative Purine Source in Plasmodium falciparum. <i>Journal of Biological Chemistry</i> , 2008, 283, 32889-32899.	3.4	40
75	Effect of fosmidomycin on metabolic and transcript profiles of the methylerythritol phosphate pathway in Plasmodium falciparum. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2007, 102, 377-384.	1.6	28
76	A Solanesyl-diphosphate Synthase Localizes in Glycosomes of Trypanosoma cruzi. <i>Journal of Biological Chemistry</i> , 2006, 281, 39339-39348.	3.4	35
77	The Methylerythritol Phosphate Pathway Is Functionally Active in All Intraerythrocytic Stages of Plasmodium falciparum. <i>Journal of Biological Chemistry</i> , 2004, 279, 51749-51759.	3.4	116