Silvia Parapini

List of Publications by Year
in descending order

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93 papers	3,094 citations	136950 32 h-index	175258 52 g-index
96 all docs	96 docs citations	96 times ranked	4133 citing authors

#	Article	IF	Citations
1	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. PLoS Pathogens, 2016, 12, e1005763.	4.7	244
2	Structureâ"Activity Relationships in 4-Aminoquinoline Antiplasmodials. The Role of the Group at the 7-Position. Journal of Medicinal Chemistry, 2002, 45, 3531-3539.	6.4	215
3	4-Alkyl- and 4-phenylcoumarins from Mesua ferrea as promising multidrug resistant antibacterials. Phytochemistry, 2004, 65, 2867-2879.	2.9	116
4	The Fe²⁺â€Mediated Decomposition, PfATP6 Binding, and Antimalarial Activities of Artemisone and Other Artemisinins: The Unlikelihood of Câ€Centered Radicals as Bioactive Intermediates. ChemMedChem, 2007, 2, 1480-1497.	3.2	107
5	Standardization of the Physicochemical Parameters to Assess in Vitro the Î²-Hematin Inhibitory Activity of Antimalarial Drugs. Experimental Parasitology, 2000, 96, 249-256.	1.2	102
6	A Plasmodium falciparum screening assay for anti-gametocyte drugs based on parasite lactate dehydrogenase detection. Journal of Antimicrobial Chemotherapy, 2013, 68, 2048-2058.	3.0	102
7	Synthesis of Some Cryptolepine Analogues, Assessment of Their Antimalarial and Cytotoxic Activities, and Consideration of Their Antimalarial Mode of Action. Journal of Medicinal Chemistry, 2005, 48, 2701-2709.	6.4	93
8	Accelerated senescence of human erythrocytes cultured with Plasmodium falciparum. Blood, 2003, 102, 705-711.	1.4	87
9	Design, Synthesis, and Structureâ€"Activity Relationship Studies of 4-Quinolinyl- and 9-Acrydinylhydrazones as Potent Antimalarial Agents. Journal of Medicinal Chemistry, 2008, 51, 1333-1343.	6.4	73
10	Artemisinin Antimalarials Do Not Inhibit Hemozoin Formation. Antimicrobial Agents and Chemotherapy, 2003, 47, 1175-1175.	3.2	67
11	Activity against Plasmodium falciparum of cycloperoxide compounds obtained from the sponge Plakortis simplex. Journal of Antimicrobial Chemotherapy, 2002, 50, 883-888.	3.0	66
12	Endoperoxide Derivatives from Marine Organisms:â€‰ 1,2-Dioxanes of the Plakortin Family as Novel Antimalarial Agents. Journal of Medicinal Chemistry, 2006, 49, 7088-7094.	6.4	66
13	Synthesis, Antimalarial Activity, and Preclinical Pharmacology of a Novel Series of 4â€²-Fluoro and 4â€²-Chloro Analogues of Amodiaquine. Identification of a Suitable â€œBack-Upâ€•Compound for N-tert-Butyl Isoquine. Journal of Medicinal Chemistry, 2009, 52, 1828-1844.	6.4	56
14	Combining 4-Aminoquinoline- and Clotrimazole-Based Pharmacophores toward Innovative and Potent Hybrid Antimalarials. Journal of Medicinal Chemistry, 2009, 52, 502-513.	6.4	55
15	Bioactive compounds of Crocus sativus L. and their semi-synthetic derivatives as promising anti-Helicobacter pylori, anti-malarial and anti-leishmanial agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 1027-1033.	5.2	55
16	4-Aminoquinoline quinolizidinyl- and quinolizidinylalkyl-derivatives with antimalarial activity. Bioorganic and Medicinal Chemistry, 2005, 13, 5338-5345.	3.0	54
17	Manadoperoxides Aâ"D from the Indonesian Sponge Plakortis cfr. simplex. Further Insights on the Structureâ"Activity Relationships of Simple 1,2-Dioxane Antimalarials. Journal of Natural Products, 2010, 73, 1138-1145.	3.0	54
18	Stability of the Antimalarial Drug Dihydroartemisinin under Physiologically Relevant Conditions: Implications for Clinical Treatment and Pharmacokinetic and In Vitro Assays. Antimicrobial Agents and Chemotherapy, 2015, 59, 4046-4052.	3.2	47

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19	Clotrimazole Scaffold as an Innovative Pharmacophore Towards Potent Antimalarial Agents: Design, Synthesis, and Biological and Structureâ€“Activity Relationship Studies. Journal of Medicinal Chemistry, 2008, 51, 1278-1294.	6.4	45
20	Dihydroartemisinin inhibits the human erythroid cell differentiation by altering the cell cycle. Toxicology, 2012, 300, 57-66.	4.2	45
21	Antimalarial activity of novel pyrrolizidinyl derivatives of 4-aminoquinoline. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3737-3740.	2.2	44
22	Novel amodiaquine congeners as potent antimalarial agents. Bioorganic and Medicinal Chemistry, 2008, 16, 6813-6823.	3.0	43
23	Optimization of 4-Aminoquinoline/Clotrimazole-Based Hybrid Antimalarials: Further Structureâ€“Activity Relationships, in Vivo Studies, and Preliminary Toxicity Profiling. Journal of Medicinal Chemistry, 2012, 55, 6948-6967.	6.4	43
24	Antimalarial Polyketide Cycloperoxides from the Marine SpongePlakortis simplex. European Journal of Organic Chemistry, 2005, 2005, 5077-5083.	2.4	42
25	Accepting the Invitation to Open Innovation in Malaria Drug Discovery: Synthesis, Biological Evaluation, and Investigation on the Structureâ€“Activity Relationships of Benzo[b]thiophene-2-carboxamides as Antimalarial Agents. Journal of Medicinal Chemistry, 2017, 60, 1959-1970.	6.4	42
26	Synthesis and antimalarial activities of some furoxan sulfones and related furazans. European Journal of Medicinal Chemistry, 2005, 40, 1335-1340.	5.5	41
27	Salinomycin and Other Ionophores as a New Class of Antimalarial Drugs with Transmission-Blocking Activity. Antimicrobial Agents and Chemotherapy, 2015, 59, 5135-5144.	3.2	40
28	Synthetic spirocyclic endoperoxides: new antimalarial scaffolds. MedChemComm, 2015, 6, 357-362.	3.4	39
29	Plasmepsin II inhibition and antiplasmodial activity of Primaquineâ€“Statine `double-drugs'. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2931-2934.	2.2	38
30	Spatial distribution of heme species in erythrocytes infected with Plasmodium falciparum by use of resonance Raman imaging and multivariate analysis. Analytical and Bioanalytical Chemistry, 2008, 392, 1277-1282.	3.7	37
31	A chemical susceptibility profile of thePlasmodium falciparumtransmission stages by complementary cell-based gametocyte assays. Journal of Antimicrobial Chemotherapy, 2016, 71, 1148-1158.	3.0	37
32	Evidence that haem iron in the malaria parasite is not needed for the antimalarial effects of artemisinin. FEBS Letters, 2004, 575, 91-94.	2.8	36
33	Benzimidazole derivatives endowed with potent antileishmanial activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 210-226.	5.2	33
34	In VitroStudies on the Mechanism of Action of Two Compounds with Antiplasmodial Activity: Ellagic Acid and 3,4,5-Trimethoxyphenyl(6â€²-O-Galloyl)-Î²-D-glucopyranoside. Planta Medica, 2003, 69, 162-164.	1.3	32
35	High Antiplasmodial Activity of Novel Plasmepsins I and II Inhibitors. Journal of Medicinal Chemistry, 2006, 49, 7440-7449.	6.4	31
36	Primaquine-based ionic liquids as a novel class of antimalarial hits. RSC Advances, 2016, 6, 56134-56138.	3.6	30

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37	Immunomodulatoryî±-Galactoglycosphingolipids: Synthesis of a 2â€²-O-Methyl-î±-Gal-GSL and Evaluation of Its Immunostimulating Capacity. European Journal of Organic Chemistry, 2004, 2004, 468-473.	2.4	29
38	Amodiaquine analogues containing NO-donor substructures: Synthesis and their preliminary evaluation as potential tools in the treatment of cerebral malaria. European Journal of Medicinal Chemistry, 2011, 46, 1757-1767.	5.5	29
39	Does chloroquine really act through oxidative stress?. FEBS Letters, 2002, 522, 3-5.	2.8	28
40	Halogenated Spirotetronates from Actinoallomurus. Journal of Natural Products, 2012, 75, 1044-1050.	3.0	27
41	Synthesis and antiplasmodial activity of new heteroaryl derivatives of 7-chloro-4-aminoquinoline. Bioorganic and Medicinal Chemistry, 2012, 20, 5965-5979.	3.0	27
42	Antimalarial agents against both sexual and asexual parasites stages: structure-activity relationships and biological studies of the Malaria Box compound 1-[5-(4-bromo-2-chlorophenyl)furan-2-yl]-N-[(piperidin-4-yl)methyl]methanamine (MMV019918) and analogues. European Journal of Medicinal Chemistry, 2018, 150, 698-718.	5.5	27
43	Synthesis and Antiplasmodial Activity of Bicyclic Dioxanes as Simplified Dihydroplakortin Analogues. Journal of Medicinal Chemistry, 2011, 54, 5949-5953.	6.4	25
44	Antimalarial Mannoxanes: Hybrid Antimalarial Drugs with Outstanding Oral Activity Profiles and A Potential Dual Mechanism of Action. ChemMedChem, 2011, 6, 1357-1361.	3.2	25
45	Investigating the Antiparasitic Potential of the Marine Sesquiterpene Avarone, Its Reduced Form Avarol, and the Novel Semisynthetic Thiazinoquinone Analogue Thiazoavarone. Marine Drugs, 2020, 18, 112.	4.6	24
46	Damicoside from Axinella damicornis:â€‰ The Influence of a Glycosylated Galactose 4-OH Group on the Immunostimulatory Activity of Î±-Galactoglycosphingolipids. Journal of Medicinal Chemistry, 2005, 48, 7411-7417.	6.4	23
47	Endoperoxide polyketides from a Chinese Plakortis simplex: Further evidence of the impact of stereochemistry on antimalarial activity of simple 1,2-dioxanes. Bioorganic and Medicinal Chemistry, 2014, 22, 4572-4580.	3.0	20
48	Involvement of Nod2 in the innate immune response elicited by malarial pigment hemozoin. Microbes and Infection, 2015, 17, 184-194.	1.9	20
49	Clofazimine analogs with antileishmanial and antiplasmodial activity. Bioorganic and Medicinal Chemistry, 2015, 23, 55-65.	3.0	20
50	Oxidative Inactivation of SARS-CoV-2 on Photoactive AgNPs@TiO2 Ceramic Tiles. International Journal of Molecular Sciences, 2021, 22, 8836.	4.1	20
51	A New Class of Antimalarial Dioxanes Obtained through a Simple Two-Step Synthetic Approach: Rational Design and Structureâ€“Activity Relationship Studies. Journal of Medicinal Chemistry, 2011, 54, 8526-8540.	6.4	17
52	Antiplasmodial and anti-inflammatory activities of Canthium henriquesianum (K. Schum), a plant used in traditional medicine in Burkina Faso. Journal of Ethnopharmacology, 2013, 148, 763-769.	4.1	17
53	Atovaquoneâ€Statine â€œDoubleâ€Drugsâ€•with High Antiplasmodial Activity. ChemMedChem, 2008, 3, 418-420	3.2	16
54	Synthesis and Antiplasmodial Activity of Novel Chloroquine Analogues with Bulky Basic Side Chains. ChemMedChem, 2015, 10, 1570-1583.	3.2	15

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55	Exploring clotrimazole-based pharmacophore: 3D-QSAR studies and synthesis of novel antiplasmodial agents. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5412-5418.	2.2	15
56	Facile Preparation of N-Glycosylated 10-Piperazinyl Artemisinin Derivatives and Evaluation of Their Antimalarial and Cytotoxic Activities. Molecules, 2018, 23, 1713.	3.8	15
57	Exploring the antimalarial potential of the methoxy-thiazinoquinone scaffold: Identification of a new lead candidate. Bioorganic Chemistry, 2019, 85, 240-252.	4.1	15
58	Design, Synthesis and In Vitro Investigation of Novel Basic Celastrol Carboxamides as Bio-Inspired Leishmanicidal Agents Endowed with Inhibitory Activity against Leishmania Hsp90. Biomolecules, 2021, 11, 56.	4.0	14
59	Identification of a potent and selective gametocytocidal antimalarial agent from the stem barks of Lophira lanceolata. Bioorganic Chemistry, 2019, 93, 103321.	4.1	13
60	Covalent Inhibitors of Plasmodium falciparum Glyceraldehyde 3-Phosphate Dehydrogenase with Antimalarial Activity in Vitro. ACS Medicinal Chemistry Letters, 2019, 10, 590-595.	2.8	13
61	Further optimization of plakortin pharmacophore: Structurally simple 4-oxymethyl-1,2-dioxanes with promising antimalarial activity. European Journal of Medicinal Chemistry, 2013, 70, 875-886.	5.5	12
62	Synthesis and evaluation of the antiplasmodial activity of novel indeno[2,1-c]quinoline derivatives. Bioorganic and Medicinal Chemistry, 2014, 22, 5757-5765.	3.0	12
63	Malaria pigment stimulates chemokine production by human microvascular endothelium. Acta Tropica, 2017, 172, 125-131.	2.0	12
64	In Vivo and In Vitro Activities and ADME-Tox Profile of a Quinolizidine-Modified 4-Aminoquinoline: A Potent Anti-P. falciparum and Anti-P. vivax Blood-Stage Antimalarial. Molecules, 2017, 22, 2102.	3.8	12
65	Synthesis and comparison of antiplasmodial activity of (+), (â^') and racemic 7-chloro-4-(N-lupinyl)aminoquinoline. Bioorganic and Medicinal Chemistry, 2012, 20, 5980-5985.	3.0	11
66	Endothelin-1 production by a microvascular endothelial cell line treated with Plasmodium falciparum parasitized red blood cells. Clinical Science, 2002, 103, 464S-466S.	4.3	10
67	Anti-plasmodial activity of Ailanthus excelsa. FÃ¬toterapÃ¬Ã¢, 2008, 79, 112-116.	2.2	10
68	The Lipid Moiety of Haemozoin (Malaria Pigment) andP. falciparumParasitised Red Blood Cells Bind Synthetic and Native Endothelin-1. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-9.	3.0	10
69	Inhibition of metalloproteinase-9 secretion and gene expression by artemisinin derivatives. Acta Tropica, 2014, 140, 77-83.	2.0	10
70	Antiplasmodial activity of triterpenes isolated from the methanolic leaf extract of Combretum racemosum P. Beauv. Journal of Ethnopharmacology, 2020, 247, 112203.	4.1	10
71	Total Synthesis of the Natural Chalcone Lophirone E, Synthetic Studies toward Benzofuran and Indole-Based Analogues, and Investigation of Anti-Leishmanial Activity. Molecules, 2022, 27, 463.	3.8	10
72	Antiplasmodial activities of 4-aminoquinolineâ€“statine compounds. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5915-5918.	2.2	9

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73	Safety of Artemisinin Derivatives in the First Trimester of Pregnancy: A Controversial Story. Molecules, 2020, 25, 3505.	3.8	9
74	Azacarbazole n-3 and n-6 polyunsaturated fatty acids ethyl esters nanoemulsion with enhanced efficacy against Plasmodium falciparum. Bioactive Materials, 2021, 6, 1163-1174.	15.6	9
75	Characterization of the erythrocyte GTPase Rac1 in relation to Plasmodium falciparum invasion. Scientific Reports, 2020, 10, 22054.	3.3	8
76	Antitubercular activity of quinolizidinyl/pyrrolizidinylalkyliminophenazines. Bioorganic and Medicinal Chemistry, 2014, 22, 6837-6845.	3.0	7
77	Interplay between Plasmodium falciparum haemozoin and l-arginine: implication for nitric oxide production. Malaria Journal, 2018, 17, 456.	2.3	7
78	Novel Hydrophilic Riminophenazines as Potent Antiprotozoal Agents. ChemMedChem, 2019, 14, 1940-1949.	3.2	7
79	Quinolizidine-Derived Lucanthone and Amitriptyline Analogues Endowed with Potent Antileishmanial Activity. Pharmaceuticals, 2020, 13, 339.	3.8	7
80	Phagocytosis and activation of bone marrowâ€derived macrophages by Plasmodium falciparum gametocytes. Malaria Journal, 2021, 20, 81.	2.3	7
81	Synthesis and Antiplasmodial Activity of Novel Bioinspired Imidazolidinedione Derivatives. Biomolecules, 2021, 11, 33.	4.0	7
82	In Vitro SARS-CoV-2 Infection of Microvascular Endothelial Cells: Effect on Pro-Inflammatory Cytokine and Chemokine Release. International Journal of Molecular Sciences, 2022, 23, 4063.	4.1	7
83	In vitro Multistage Malaria Transmission Blocking Activity of Selected Malaria Box Compounds . Drug Design, Development and Therapy, 2020, Volume 14, 1593-1607.	4.3	6
84	Development of Potent 3-Br-isoxazoline-Based Antimalarial and Antileishmanial Compounds. ACS Medicinal Chemistry Letters, 2021, 12, 1726-1732.	2.8	6
85	Discovery and Pharmacophore Mapping of a Lowâ€Nanomolar Inhibitor of P. falciparum Growth. ChemMedChem, 2019, 14, 1982-1994.	3.2	5
86	Malaria pigment accelerates MTT â€“ formazan exocytosis in human endothelial cells. Parasitology, 2019, 146, 399-406.	1.5	5
87	In Vitro Antimalarial Activity of Inhibitors of the Human GTPase Rac1. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0149821.	3.2	4
88	Glycosyl hydroperoxides: A new class of potential antimalarial agents. Bioorganic and Medicinal Chemistry, 2015, 23, 3033-3039.	3.0	3
89	Antiplasmodial Activity of p-Substituted Benzyl Thiazinoquinone Derivatives and Their Potential against Parasitic Infections. Molecules, 2020, 25, 1530.	3.8	3
90	Leishmania Promastigotes Enhance Neutrophil Recruitment through the Production of CXCL8 by Endothelial Cells. Pathogens, 2021, 10, 1380.	2.8	3

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91	Synthesis, Molecular Docking and Antiplasmodial Activities of New Tetrahydro-Î²-Carbolines. International Journal of Molecular Sciences, 2021, 22, 13569.	4.1	3
92	Antiparasitic Drugs against SARS-CoV-2: A Comprehensive Literature Survey. Microorganisms, 2022, 10, 1284.	3.6	2
93	A rapid spectrophotometric method to identify inhibitors of human erythropoiesis. Journal of Pharmacological and Toxicological Methods, 2022, 113, 107134.	0.7	0