

Richard K Amewu

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,330
citations

394421

19
h-index

345221

36
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48
all docs

48
docs citations

48
times ranked

1611
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Mycolactone by Thin Layer. <i>Methods in Molecular Biology</i> , 2022, 2387, 131-149.	0.9	1
2	Synthesis and initial testing of novel antimalarial and antitubercular isonicotinohydrazides. <i>Results in Chemistry</i> , 2022, 4, 100287.	2.0	2
3	Homology Modeling, de Novo Design of Ligands, and Molecular Docking Identify Potential Inhibitors of <i>Leishmania donovani</i> 24-Sterol Methyltransferase. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	3.9	8
4	Unravelling the myth surrounding sterol biosynthesis as plausible target for drug design against leishmaniasis. <i>Journal of Parasitic Diseases</i> , 2021, 45, 1152-1171.	1.0	6
5	The Search for Putative Hits in Combating Leishmaniasis: The Contributions of Natural Products Over the Last Decade. <i>Natural Products and Bioprospecting</i> , 2021, 11, 489-544.	4.3	13
6	Synthetic and Naturally Occurring Heterocyclic Anticancer Compounds with Multiple Biological Targets. <i>Molecules</i> , 2021, 26, 7134.	3.8	13
7	Setting Our Sights on Infectious Diseases. <i>ACS Infectious Diseases</i> , 2020, 6, 3-13.	3.8	17
8	Towards Population Salt Reduction to Control High Blood Pressure in Ghana: A Policy Direction. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa084.	0.3	5
9	Differential constituents in roots, stems and leaves of <i>Newbouldia laevis</i> Thunb. screened by LC/ESI-Q-TOF-MS. <i>Results in Chemistry</i> , 2020, 2, 100052.	2.0	6
10	Making North-South Collaborations Work: Facilitating Natural Product Drug Discovery in Africa. <i>Sustainable Development Goals Series</i> , 2020, , 257-266.	0.4	3
11	Antischistosomal, antionchocercal and antitypanosomal potentials of some Ghanaian traditional medicines and their constituents. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008919.	3.0	6
12	Title is missing!. , 2020, 14, e0008919.		0
13	Title is missing!. , 2020, 14, e0008919.		0
14	Title is missing!. , 2020, 14, e0008919.		0
15	Title is missing!. , 2020, 14, e0008919.		0
16	Title is missing!. , 2020, 14, e0008919.		0
17	Title is missing!. , 2020, 14, e0008919.		0
18	Synthesis and profiling of benzylmorpholine 1,2,4,5-tetraoxane analogue N205: Towards tetraoxane scaffolds with potential for single dose cure of malaria. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2996-3005.	3.0	11

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19	A tetraoxane-based antimalarial drug candidate that overcomes PfK13-C580Y dependent artemisinin resistance. <i>Nature Communications</i> , 2017, 8, 15159.	12.8	51
20	Rational Design, Synthesis, and Biological Evaluation of Heterocyclic Quinolones Targeting the Respiratory Chain of <i>Mycobacterium tuberculosis</i> . <i>Journal of Medicinal Chemistry</i> , 2017, 60, 3703-3726.	6.4	39
21	Constituents of the Roots of <i>Dichapetalum pallidum</i> and Their Anti-Proliferative Activity. <i>Molecules</i> , 2017, 22, 532.	3.8	13
22	Optimisation of the synthesis of second generation 1,2,4,5 tetraoxane antimalarials. <i>Tetrahedron</i> , 2016, 72, 6118-6126.	1.9	14
23	Rapid kill of malaria parasites by artemisinin and semi-synthetic endoperoxides involves ROS-dependent depolarization of the membrane potential. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 1005-1016.	3.0	116
24	Novel Endoperoxide-Based Transmission-Blocking Antimalarials with Liver- and Blood-Schizontocidal Activities. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 108-112.	2.8	40
25	An Endoperoxide-Based Hybrid Approach to Deliver Falcipain Inhibitors Inside Malaria Parasites. <i>ChemMedChem</i> , 2013, 8, 1528-1536.	3.2	32
26	Synthesis and evaluation of the antimalarial, anticancer, and caspase 3 activities of tetraoxane dimers. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7392-7397.	3.0	19
27	Identification, Design and Biological Evaluation of Bisaryl Quinolones Targeting <i>Plasmodium falciparum</i> Type II NADH:Quinone Oxidoreductase (PfNDH2). <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1831-1843.	6.4	94
28	Identification, Design and Biological Evaluation of Heterocyclic Quinolones Targeting <i>Plasmodium falciparum</i> Type II NADH:Quinone Oxidoreductase (PfNDH2). <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1844-1857.	6.4	51
29	Identification of Novel Antimalarial Chemotypes via Chemoinformatic Compound Selection Methods for a High-Throughput Screening Program against the Novel Malarial Target, PfNDH2: Increasing Hit Rate via Virtual Screening Methods. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3144-3154.	6.4	23
30	Generation of quinolone antimalarials targeting the <i>Plasmodium falciparum</i> mitochondrial respiratory chain for the treatment and prophylaxis of malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8298-8303.	7.1	143
31	Comparison of the Reactivity of Antimalarial 1,2,4,5-Tetraoxanes with 1,2,4-Trioxolanes in the Presence of Ferrous Iron Salts, Heme, and Ferrous Iron Salts/Phosphatidylcholine. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6443-6455.	6.4	47
32	Second generation analogues of RKA182: synthetic tetraoxanes with outstanding in vitro and in vivo antimalarial activities. <i>MedChemComm</i> , 2011, 2, 661.	3.4	28
33	Antimalarial Mannoxanes: Hybrid Antimalarial Drugs with Outstanding Oral Activity Profiles and A Potential Dual Mechanism of Action. <i>ChemMedChem</i> , 2011, 6, 1357-1361.	3.2	25
34	A novel drug for uncomplicated malaria: Targeted high throughput screening (HTS) against the type II NADH:ubiquinone oxidoreductase (PfNDH2) of <i>Plasmodium falciparum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 80.	1.0	0
35	Identification of a 1,2,4,5-Tetraoxane Antimalarial Drug Development Candidate (RKA182) with Superior Properties to the Semisynthetic Artemisinins. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5693-5697.	13.8	111
36	Endoperoxide Carbonyl Falcipain 2/3 Inhibitor Hybrids: Toward Combination Chemotherapy of Malaria through a Single Chemical Entity. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 8202-8206.	6.4	35

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37	Synthesis, in vitro and in vivo antimalarial assessment of sulfide, sulfone and vinyl amide-substituted 1,2,4-trioxanes prepared via thiol-olefin co-oxygenation (TOCO) of allylic alcohols. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2068.	2.8	16
38	Development of a novel drug for uncomplicated malaria targeting the mitochondrial NADH:quinone oxidoreductase. <i>Malaria Journal</i> , 2010, 9, .	2.3	0
39	A novel drug for uncomplicated malaria: targeted high throughput screening (HTS) against the type II NADH:ubiquinone oxidoreductase (PfNdh2) of <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2010, 9, .	2.3	2
40	An efficient route into synthetically challenging bridged achiral 1,2,4,5-tetraoxanes with antimalarial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1720-1724.	2.2	30
41	Two-Step Synthesis of Achiral Dispiro-1,2,4,5-tetraoxanes with Outstanding Antimalarial Activity, Low Toxicity, and High-Stability Profiles. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2170-2177.	6.4	78
42	Evidence for a Common Non-Heme Chelatable Iron-Dependent Activation Mechanism for Semisynthetic and Synthetic Endoperoxide Antimalarial Drugs. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6278-6283.	13.8	116
43	Design and synthesis of orally active dispiro 1,2,4,5-tetraoxanes; synthetic antimalarials with superior activity to artemisinin. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4431.	2.8	83
44	Synthesis of 1,2,4-trioxepanes via application of thiol-olefin Co-oxygenation methodology. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 6124-6130.	2.2	13