Richard K Amewu

List of Publications by Year
in descending order

44 papers	1,330 citations	394421 19 h-index	345221 36 g-index
48 all docs	48 docs citations	48 times ranked	1611 citing authors

#	Article	IF	Citations
1	Generation of quinolone antimalarials targeting the Plasmodium falciparum mitochondrial respiratory chain for the treatment and prophylaxis of malaria. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8298-8303.	7.1	143
2	Evidence for a Common Nonâ€Heme Chelatableâ€Ironâ€Dependent Activation Mechanism for Semisynthetic and Synthetic Endoperoxide Antimalarial Drugs. Angewandte Chemie - International Edition, 2007, 46, 6278-6283.	13.8	116
3	Rapid kill of malaria parasites by artemisinin and semi-synthetic endoperoxides involves ROS-dependent depolarization of the membrane potential. Journal of Antimicrobial Chemotherapy, 2014, 69, 1005-1016.	3.0	116
4	Identification of a 1,2,4,5â€Tetraoxane Antimalarial Drugâ€Development Candidate (RKAâ€‰182) with Superior Properties to the Semisynthetic Artemisinins. Angewandte Chemie - International Edition, 2010, 49, 5693-5697.	13.8	111
5	Identification, Design and Biological Evaluation of Bisaryl Quinolones Targeting Plasmodium falciparum Type II NADH:Quinone Oxidoreductase (PfNDH2). Journal of Medicinal Chemistry, 2012, 55, 1831-1843.	6.4	94
6	Design and synthesis of orally active dispiro 1,2,4,5-tetraoxanes; synthetic antimalarials with superior activity to artemisinin. Organic and Biomolecular Chemistry, 2006, 4, 4431.	2.8	83
7	Two-Step Synthesis of Achiral Dispiro-1,2,4,5-tetraoxanes with Outstanding Antimalarial Activity, Low Toxicity, and High-Stability Profiles. Journal of Medicinal Chemistry, 2008, 51, 2170-2177.	6.4	78
8	Identification, Design and Biological Evaluation of Heterocyclic Quinolones Targeting Plasmodium falciparum Type II NADH:Quinone Oxidoreductase (PfNDH2). Journal of Medicinal Chemistry, 2012, 55, 1844-1857.	6.4	51
9	A tetraoxane-based antimalarial drug candidate that overcomes PfK13-C580Y dependent artemisinin resistance. Nature Communications, 2017, 8, 15159.	12.8	51
10	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. Journal of Medicinal Chemistry, 2011, 54, 6443-6455.	6.4	47
11	Novel Endoperoxide-Based Transmission-Blocking Antimalarials with Liver- and Blood-Schizontocidal Activities. ACS Medicinal Chemistry Letters, 2014, 5, 108-112.	2.8	40
12	Rational Design, Synthesis, and Biological Evaluation of Heterocyclic Quinolones Targeting the Respiratory Chain of Mycobacterium tuberculosis. Journal of Medicinal Chemistry, 2017, 60, 3703-3726.	6.4	39
13	Endoperoxide Carbonyl Falcipain 2/3 Inhibitor Hybrids: Toward Combination Chemotherapy of Malaria through a Single Chemical Entity. Journal of Medicinal Chemistry, 2010, 53, 8202-8206.	6.4	35
14	An Endoperoxideâ€Based Hybrid Approach to Deliver Falcipain Inhibitors Inside Malaria Parasites. ChemMedChem, 2013, 8, 1528-1536.	3.2	32
15	An efficient route into synthetically challenging bridged achiral 1,2,4,5-tetraoxanes with antimalarial activity. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1720-1724.	2.2	30
16	Second generation analogues of RKA182: synthetic tetraoxanes with outstanding in vitro and in vivo antimalarial activities. MedChemComm, 2011, 2, 661.	3.4	28
17	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
18	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. Journal of Medicinal Chemistry, 2012, 55, 3144-3154.	6.4	23

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19	Synthesis and evaluation of the antimalarial, anticancer, and caspase 3 activities of tetraoxane dimers. Bioorganic and Medicinal Chemistry, 2013, 21, 7392-7397.	3.0	19
20	Setting Our Sights on Infectious Diseases. ACS Infectious Diseases, 2020, 6, 3-13.	3.8	17
21	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. Organic and Biomolecular Chemistry, 2010, 8, 2068.	2.8	16
22	Optimisation of the synthesis of second generation 1,2,4,5 tetraoxane antimalarials. Tetrahedron, 2016, 72, 6118-6126.	1.9	14
23	Synthesis of 1,2,4-trioxepanes via application of thiol-olefin Co-oxygenation methodology. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 6124-6130.	2.2	13
24	Constituents of the Roots of Dichapetalum pallidum and Their Anti-Proliferative Activity. Molecules, 2017, 22, 532.	3.8	13
25	The Search for Putative Hits in Combating Leishmaniasis: The Contributions of Natural Products Over the Last Decade. Natural Products and Bioprospecting, 2021, 11, 489-544.	4.3	13
26	Synthetic and Naturally Occurring Heterocyclic Anticancer Compounds with Multiple Biological Targets. Molecules, 2021, 26, 7134.	3.8	13
27	Synthesis and profiling of benzylmorpholine 1,2,4,5-tetraoxane analogue N205: Towards tetraoxane scaffolds with potential for single dose cure of malaria. Bioorganic and Medicinal Chemistry, 2018, 26, 2996-3005.	3.0	11
28	Homology Modeling, de Novo Design of Ligands, and Molecular Docking Identify Potential Inhibitors of Leishmania donovani 24-Sterol Methyltransferase. Frontiers in Cellular and Infection Microbiology, 2022, 12, .	3.9	8
29	Differential constituents in roots, stems and leaves of Newbouldia laevis Thunb. screened by LC/ESI-Q-TOF-MS. Results in Chemistry, 2020, 2, 100052.	2.0	6
30	Unravelling the myth surrounding sterol biosynthesis as plausible target for drug design against leishmaniasis. Journal of Parasitic Diseases, 2021, 45, 1152-1171.	1.0	6
31	Antischistosomal, antionchocercal and antitrypanosomal potentials of some Ghanaian traditional medicines and their constituents. PLoS Neglected Tropical Diseases, 2020, 14, e0008919.	3.0	6
32	Towards Population Salt Reduction to Control High Blood Pressure in Ghana: A Policy Direction. Current Developments in Nutrition, 2020, 4, nzaa084.	0.3	5
33	Making Northâ€“South Collaborations Work: Facilitating Natural Product Drug Discovery in Africa. Sustainable Development Goals Series, 2020, , 257-266.	0.4	3
34	A novel drug for uncomplicated malaria: targeted high throughput screening (HTS) against the type II NADH:ubiquinone oxidoreductase (PfNdh2) of Plasmodium falciparum. Malaria Journal, 2010, 9, .	2.3	2
35	Synthesis and initial testing of novel antimalarial and antitubercular isonicotinohydrazides. Results in Chemistry, 2022, 4, 100287.	2.0	2
36	Detection of Mycolactone by Thin Layer. Methods in Molecular Biology, 2022, 2387, 131-149.	0.9	1

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37	A novel drug for uncomplicated malaria: Targeted high throughput screening (HTS) against the type II NADH:ubiquinone oxidoreductase (PfNDH2) of Plasmodium falciparum. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 80.	1.0	0
38	Development of a novel drug for uncomplicated malaria targeting the mitochondrial NADH:quinone oxidoreductase. Malaria Journal, 2010, 9, .	2.3	0
39	Title is missing!. , 2020, 14, e0008919.		0
40	Title is missing!. , 2020, 14, e0008919.		0
41	Title is missing!. , 2020, 14, e0008919.		0
42	Title is missing!. , 2020, 14, e0008919.		0
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