

Aaron Nilsen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4228641/publications.pdf>

Version: 2024-02-01

40
papers

1,636
citations

304743

22
h-index

315739

38
g-index

44
all docs

44
docs citations

44
times ranked

2529
citing authors

#	ARTICLE	IF	CITATIONS
1	Quinolone-3-Diarylethers: A New Class of Antimalarial Drug. <i>Science Translational Medicine</i> , 2013, 5, 177ra37.	12.4	187
2	Endochin-like quinolones are highly efficacious against acute and latent experimental toxoplasmosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15936-15941.	7.1	173
3	MR1 displays the microbial metabolome driving selective MR1-restricted T cell receptor usage. <i>Science Immunology</i> , 2018, 3, .	11.9	113
4	Characterization of a Novel Human-Specific STING Agonist that Elicits Antiviral Activity Against Emerging Alphaviruses. <i>PLoS Pathogens</i> , 2015, 11, e1005324.	4.7	103
5	Discovery, Synthesis, and Optimization of Antimalarial 4(1 <i>H</i>)-Quinolone-3-Diarylethers. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 3818-3834.	6.4	100
6	Radical cure of experimental babesiosis in immunodeficient mice using a combination of an endochin-like quinolone and atovaquone. <i>Journal of Experimental Medicine</i> , 2016, 213, 1307-1318.	8.5	74
7	ELQ-300 Prodrugs for Enhanced Delivery and Single-Dose Cure of Malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5555-5560.	3.2	62
8	Subtle Changes in Endochin-Like Quinolone Structure Alter the Site of Inhibition within the Cytochrome <i>bc</i> ₁ Complex of <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1977-1982.	3.2	61
9	4-Phosphopantetheine corrects CoA, iron, and dopamine metabolic defects in mammalian models of PKAN. <i>EMBO Molecular Medicine</i> , 2019, 11, e10489.	6.9	53
10	Atovaquone and ELQ-300 Combination Therapy as a Novel Dual-Site Cytochrome <i>bc</i> ₁ Inhibition Strategy for Malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4853-4859.	3.2	50
11	Iodothyronamines are Oxidatively Deaminated to Iodothyroacetic Acids in vivo. <i>ChemBioChem</i> , 2009, 10, 361-365.	2.6	47
12	Genetic Evidence for Cytochrome <i>Q</i> Site Inhibition by 4(1 <i>H</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td Chemotherapy, 2017, 61, .	3.2	46
13	Emerging Alphaviruses Are Sensitive to Cellular States Induced by a Novel Small-Molecule Agonist of the STING Pathway. <i>Journal of Virology</i> , 2018, 92, .	3.4	46
14	A Novel Agonist of the TRIF Pathway Induces a Cellular State Refractory to Replication of Zika, Chikungunya, and Dengue Viruses. <i>MBio</i> , 2017, 8, .	4.1	38
15	Alkoxy carbonate Ester Prodrugs of Preclinical Drug Candidate ELQ-300 for Prophylaxis and Treatment of Malaria. <i>ACS Infectious Diseases</i> , 2017, 3, 728-735.	3.8	38
16	Inhibition of Cytochrome <i>bc</i> ₁ as a Strategy for Single-Dose, Multi-Stage Antimalarial Therapy. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 1195-1201.	1.4	34
17	A Subtype-Selective, Use-Dependent Inhibitor of Native AMPA Receptors. <i>Journal of the American Chemical Society</i> , 2007, 129, 4902-4903.	13.7	32
18	Targeted Structure-Activity Analysis of Endochin-like Quinolones Reveals Potent <i>Q</i> _i and <i>Q</i> _o Site Inhibitors of <i>Toxoplasma gondii</i> and <i>Plasmodium falciparum</i> Cytochrome <i>bc</i> ₁ and Identifies ELQ-400 as a Remarkably Effective Compound against Acute Experimental Toxoplasmosis. <i>ACS Infectious Diseases</i> , 2018, 4, 1574-1584.	3.8	32

#	ARTICLE	IF	CITATIONS
19	Affinity, potency, efficacy, selectivity, and molecular modeling of substituted fentanyl at opioid receptors. <i>Biochemical Pharmacology</i> , 2020, 182, 114293.	4.4	30
20	Mitochondrial type II NADH dehydrogenase of <i>Plasmodium falciparum</i> (PfNDH2) is dispensable in the asexual blood stages. <i>PLoS ONE</i> , 2019, 14, e0214023.	2.5	29
21	Targeting the Cytochrome <i>c</i> ₁ Complex of Leishmania Parasites for Discovery of Novel Drugs. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4972-4982.	3.2	28
22	Nitroxide-mediated polymerization to form symmetrical ABA triblock copolymers from a bidirectional alkoxyamine initiator. <i>Polymer</i> , 2007, 48, 2564-2571.	3.8	27
23	The Synthesis and Evaluation of New $\hat{\pm}$ -Hydrogen Nitroxides for $\hat{\pm}$ Living $\hat{\pm}$ Free Radical Polymerization. <i>Synthesis</i> , 2005, 2005, 1496-1506.	2.3	21
24	Sontochin as a Guide to the Development of Drugs against Chloroquine-Resistant Malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 3475-3480.	3.2	21
25	Orally Bioavailable Endochin-Like Quinolone Carbonate Ester Prodrug Reduces <i>Toxoplasma gondii</i> Brain Cysts. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	21
26	Characterization and structure-activity relationship analysis of a class of antiviral compounds that directly bind dengue virus capsid protein and are incorporated into virions. <i>Antiviral Research</i> , 2018, 155, 12-19.	4.1	19
27	Second-Generation Inhibitors of the Mitochondrial Permeability Transition Pore with Improved Plasma Stability. <i>ChemMedChem</i> , 2019, 14, 1771-1782.	3.2	18
28	Endochin-Like Quinolones Exhibit Promising Efficacy Against <i>Neospora Caninum</i> in vitro and in Experimentally Infected Pregnant Mice. <i>Frontiers in Veterinary Science</i> , 2018, 5, 285.	2.2	17
29	ELQ-331 as a prototype for extremely durable chemoprotection against malaria. <i>Malaria Journal</i> , 2019, 18, 291.	2.3	17
30	Targeting mitochondria in cancer therapy could provide a basis for the selective anti-cancer activity. <i>PLoS ONE</i> , 2019, 14, e0205623.	2.5	17
31	Improving solubility and oral bioavailability of a novel antimalarial prodrug: comparing spray-dried dispersions with self-emulsifying drug delivery systems. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 625-639.	2.4	15
32	Ketone Functionalized Nitroxides: Synthesis, Evaluation of N-Alkoxyamine Initiators, and Derivatization of Polymer Termini. <i>Macromolecules</i> , 2007, 40, 7848-7854.	4.8	13
33	Novel Endochin-Like Quinolones Exhibit Potent <i>In Vitro</i> Activity against <i>Plasmodium knowlesi</i> but Do Not Synergize with Proguanil. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	12
34	Activities of Endochin-Like Quinolones Against in vitro Cultured <i>Besnoitia besnoiti</i> Tachyzoites. <i>Frontiers in Veterinary Science</i> , 2020, 7, 96.	2.2	12
35	New Scalable Synthetic Routes to <i>ELQ-300</i> , <i>ELQ-316</i> , and Other Antiparasitic Quinolones. <i>Organic Process Research and Development</i> , 2021, 25, 1841-1852.	2.7	10
36	Endochin-like quinolone-300 and ELQ-316 inhibit <i>Babesia bovis</i> , <i>B. bigemina</i> , <i>B. caballi</i> and <i>Theileria equi</i> . <i>Parasites and Vectors</i> , 2020, 13, 606.	2.5	9

#	ARTICLE	IF	CITATIONS
37	Characterization of a Novel Compound That Stimulates STING-Mediated Innate Immune Activity in an Allele-Specific Manner. <i>Frontiers in Immunology</i> , 2020, 11, 1430.	4.8	7
38	Stereochemical Studies of Chiral Acyclic Nitroxides Coupling with a Prochiral Radical. <i>Synthetic Communications</i> , 2004, 34, 2433-2442.	2.1	3
39	Structure-activity relationships of <i>Toxoplasma gondii</i> cytochrome <i>bc</i> ₁ inhibitors. <i>Expert Opinion on Drug Discovery</i> , 2022, 17, 997-1011.	5.0	1
40	Identification and Characterization of Small-Molecule IRF3-Dependent Immune Activators for Pharmaceutical Development. <i>ACS Chemical Biology</i> , 2022, 17, 1073-1081.	3.4	0