Emily R Derbyshire

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/796768/publications.pdf

Version: 2024-02-01

54 papers	2,539 citations	257450 24 h-index	197818 49 g-index
65 all docs	65 docs citations	65 times ranked	3589 citing authors

#	Article	IF	Citations
1	Structure and Regulation of Soluble Guanylate Cyclase. Annual Review of Biochemistry, 2012, 81, 533-559.	11.1	388
2	Diversity-oriented synthesis yields novel multistage antimalarial inhibitors. Nature, 2016, 538, 344-349.	27.8	214
3	Nitric oxide signaling: no longer simply on or off. Trends in Biochemical Sciences, 2006, 31, 231-239.	7.5	205
4	Liver-stage malaria parasites vulnerable to diverse chemical scaffolds. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8511-8516.	7.1	132
5	A nitric oxide/cysteine interaction mediates the activation of soluble guanylate cyclase. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21602-21607.	7.1	125
6	Biochemistry of Soluble Guanylate Cyclase. Handbook of Experimental Pharmacology, 2009, , 17-31.	1.8	106
7	Takinib, a Selective TAK1 Inhibitor, Broadens the Therapeutic Efficacy of TNF-Î± Inhibition for Cancer and Autoimmune Disease. Cell Chemical Biology, 2017, 24, 1029-1039.e7.	5.2	104
8	The crystal structure of the catalytic domain of a eukaryotic guanylate cyclase. BMC Structural Biology, 2008, 8, 42.	2.3	97
9	The cytoplasmic prolyl-tRNA synthetase of the malaria parasite is a dual-stage target of febrifugine and its analogs. Science Translational Medicine, 2015, 7, 288ra77.	12.4	82
10	Antibiotic and Antimalarial Quinones from Fungus-Growing Ant-Associated Pseudonocardia sp.. Journal of Natural Products, 2012, 75, 1806-1809.	3.0	76
11	Heme-assisted S-Nitrosation Desensitizes Ferric Soluble Guanylate Cyclase to Nitric Oxide. Journal of Biological Chemistry, 2012, 287, 43053-43062.	3.4	57
12	The Next Opportunity in Anti-Malaria Drug Discovery: The Liver Stage. PLoS Pathogens, 2011, 7, e1002178.	4.7	54
13	Plasmodium parasite exploits host aquaporin-3 during liver stage malaria infection. PLoS Pathogens, 2018, 14, e1007057.	4.7	51
14	Dissociation of Nitric Oxide from Soluble Guanylate Cyclase and Heme-Nitric Oxide/Oxygen Binding Domain Constructs. Journal of Biological Chemistry, 2007, 282, 897-907.	3.4	50
15	Identification and Validation of Tetracyclic Benzothiazepines as Plasmodium falciparum Cytochrome bc1 Inhibitors. Chemistry and Biology, 2011, 18, 1602-1610.	6.0	50
16	Activation of GPR37 in macrophages confers protection against infection-induced sepsis and pain-like behaviour in mice. Nature Communications, 2021, 12, 1704.	12.8	45
17	Nucleotide Regulation of Soluble Guanylate Cyclase Substrate Specificity. Biochemistry, 2009, 48, 7519-7524.	2.5	37
18	Plasmodium chaperonin TRiC/CCT identified as a target of the antihistamine clemastine using parallel chemoproteomic strategy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5810-5817.	7.1	37

#	Article	IF	Citations
19	Characterization of Plasmodium Liver Stage Inhibition by Halofuginone. ChemMedChem, 2012, 7, 844-849.	3.2	35
20	Plasmodium vivax Liver and Blood Stages Recruit the Druggable Host Membrane Channel Aquaporin-3. Cell Chemical Biology, 2020, 27, 719-727.e5.	5.2	34
21	Characterization of Two Different Five-Coordinate Soluble Guanylate Cyclase Ferrousâ€“Nitrosyl Complexes. Biochemistry, 2008, 47, 3892-3899.	2.5	33
22	Current therapies and future possibilities for drug development against liver-stage malaria. Journal of Clinical Investigation, 2016, 126, 2013-2020.	8.2	33
23	RNA-Seq Analysis Illuminates the Early Stages of Plasmodium Liver Infection. MBio, 2020, 11, .	4.1	30
24	Chemical Interrogation of the Malaria Kinome. ChemBioChem, 2014, 15, 1920-1930.	2.6	29
25	Discovery of Druggable Host Factors Critical to Plasmodium Liver-Stage Infection. Cell Chemical Biology, 2019, 26, 1253-1262.e5.	5.2	29
26	Butyl Isocyanide as a Probe of the Activation Mechanism of Soluble Guanylate Cyclase. Journal of Biological Chemistry, 2007, 282, 35741-35748.	3.4	28
27	Probing Soluble Guanylate Cyclase Activation by CO and YC-1 Using Resonance Raman Spectroscopy. Biochemistry, 2010, 49, 3815-3823.	2.5	27
28	Identification of Hsp90 Inhibitors with Anti-Plasmodium Activity. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	27
29	Tafenoquine: A Step toward Malaria Elimination. Biochemistry, 2020, 59, 911-920.	2.5	27
30	Discovery of Antimicrobial Lipodepsipeptides Produced by a Serratia sp. within Mosquito Microbiomes. ChemBioChem, 2018, 19, 1590-1594.	2.6	26
31	Soluble Guanylate Cyclase Is Activated Differently by Excess NO and by YC-1: Resonance Raman Spectroscopic Evidence. Biochemistry, 2010, 49, 4864-4871.	2.5	23
32	Discovery of Dual-Stage Malaria Inhibitors with New Targets. Antimicrobial Agents and Chemotherapy, 2016, 60, 1430-1437.	3.2	21
33	Phosphatidylinositol 3-phosphate and Hsp70 protect Plasmodium falciparum from heat-induced cell death. ELife, 2020, 9, .	6.0	20
34	Characterization of Nitrosoalkane Binding and Activation of Soluble Guanylate Cyclaseâ€. Biochemistry, 2005, 44, 16257-16265.	2.5	18
35	Investigating the Role of Class I Adenylate-Forming Enzymes in Natural Product Biosynthesis. ACS Chemical Biology, 2020, 15, 17-27.	3.4	18
36	Incorporation of Tyrosine and Glutamine Residues into the Soluble Guanylate Cyclase Heme Distal Pocket Alters NO and O2 Binding. Journal of Biological Chemistry, 2010, 285, 17471-17478.	3.4	17

#	Article	IF	Citations
37	A Systematic Analysis of Mosquito-Microbiome Biosynthetic Gene Clusters Reveals Antimalarial Siderophores that Reduce Mosquito Reproduction Capacity. Cell Chemical Biology, 2020, 27, 817-826.e5.	5.2	17
38	Probing Domain Interactions in Soluble Guanylate Cyclase. Biochemistry, 2011, 50, 4281-4290.	2.5	15
39	Conformationally Distinct Five-Coordinate Hemeâ€“NO Complexes of Soluble Guanylate Cyclase Elucidated by Multifrequency Electron Paramagnetic Resonance (EPR). Biochemistry, 2012, 51, 8384-8390.	2.5	14
40	Coculturing of Mosquitoâ€Microbiome Bacteria Promotes Heme Degradation in Elizabethkingia anophelis. ChemBioChem, 2020, 21, 1279-1284.	2.6	14
41	Dihydroquinazolinone Inhibitors of Proliferation of Blood and Liver Stage Malaria Parasites. Antimicrobial Agents and Chemotherapy, 2014, 58, 1516-1522.	3.2	12
42	Plasmodium PK9 Inhibitors Promote Growth of Liver-Stage Parasites. Cell Chemical Biology, 2019, 26, 411-419.e7.	5.2	11
43	Close the ring to break the cycle: tandem quinolone-alkyne-cyclisation gives access to tricyclic pyrrolo[1,2-a]quinolin-5-ones with potent anti-protozoal activity. Chemical Communications, 2019, 55, 7009-7012.	4.1	9
44	Exploring the Untapped Biosynthetic Potential of Apicomplexan Parasites. Biochemistry, 2018, 57, 365-375.	2.5	8
45	Chemoproteomics for Plasmodium Parasite Drug Target Discovery. ChemBioChem, 2021, 22, 2591-2599.	2.6	8
46	Characterization of the Tubovesicular Network in Plasmodium vivax Liver Stage Hypnozoites and Schizonts. Frontiers in Cellular and Infection Microbiology, 2021, 11, 687019.	3.9	8
47	Synthesis and evaluation of a phosphonate analogue of the soluble guanylate cyclase activator YC-1. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 4938-4941.	2.2	7
48	A single amino acid residue controls acyltransferase activity in a polyketide synthase from Toxoplasma gondii. IScience, 2022, 25, 104443.	4.1	7
49	In silico Screening and Evaluation ofPlasmodium falciparumProtein Kinaseâ€…5 (PK5) Inhibitors. ChemMedChem, 2018, 13, 2479-2483.	3.2	6
50	Linking Genes to Molecules in Eukaryotic Sources: An Endeavor to Expand Our Biosynthetic Repertoire. Molecules, 2020, 25, 625.	3.8	6
51	Plasmodiumâ€™s fight for survival: escaping elimination while acquiring nutrients. Trends in Parasitology, 2022, 38, 544-557.	3.3	5
52	Synthesis and Analysis of Naturalâ€Productâ€Like Macrocycles by Tandem Oxidation/Oxaâ€Conjugate Addition Reactions. Chemistry - A European Journal, 2019, 25, 6500-6504.	3.3	4
53	Closing in on a new treatment for sleeping sickness. ELife, 2013, 2, e01042.	6.0	0
54	Itâ€™s about Time: Insights into the Modes of Action of Antimalarials. Cell Chemical Biology, 2020, 27, 139-141.	5.2	0