David A Robinson

List of Publications by Year
in descending order

28 papers	1,686 citations	361413 20 h-index	477307 29 g-index
32 all docs	32 docs citations	32 times ranked	2256 citing authors

#	Article	IF	Citations
1	Targeting a critical step in fungal hexosamine biosynthesis. Journal of Biological Chemistry, 2020, 295, 8678-8691.	3.4	16
2	Discovery of an Allosteric Binding Site in Kinetoplastid Methionyl-tRNA Synthetase. ACS Infectious Diseases, 2020, 6, 1044-1057.	3.8	11
3	Identification of inhibitors of an unconventional Trypanosoma brucei kinetochore kinase. PLoS ONE, 2019, 14, e0217828.	2.5	6
4	Lysyl-tRNA synthetase as a drug target in malaria and cryptosporidiosis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7015-7020.	7.1	94
5	A Molecular Hybridization Approach for the Design of Potent, Highly Selective, and Brain-Penetrant N-Myristoyltransferase Inhibitors. Journal of Medicinal Chemistry, 2018, 61, 8374-8389.	6.4	41
6	Chemical Validation of Methionyl-tRNA Synthetase as a Druggable Target in Leishmania donovani. ACS Infectious Diseases, 2017, 3, 718-727.	3.8	22
7	Design and Synthesis of Brain Penetrant Trypanocidal N-Myristoyltransferase Inhibitors. Journal of Medicinal Chemistry, 2017, 60, 9790-9806.	6.4	14
8	Development of Smallâ€Molecule Trypanosoma brucei Nâ€Myristoyltransferase Inhibitors: Discovery and Optimisation of a Novel Binding Mode. ChemMedChem, 2015, 10, 1821-1836.	3.2	20
9	N-Myristoyltransferase Is a Cell Wall Target in Aspergillus fumigatus. ACS Chemical Biology, 2015, 10, 1425-1434.	3.4	38
10	Identification and structure solution of fragment hits against kinetoplastidN-myristoyltransferase. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 586-593.	0.8	2
11	Phosphorylation of Sli15 by Ipl1 Is Important for Proper CPC Localization and Chromosome Stability in Saccharomyces cerevisiae. PLoS ONE, 2014, 9, e89399.	2.5	10
12	Bisubstrate UDPâ€“peptide conjugates as human O-GlcNAc transferase inhibitors. Biochemical Journal, 2014, 457, 497-502.	3.7	57
13	The histone chaperones Vps75 and Nap1 form ring-like, tetrameric structures in solution. Nucleic Acids Research, 2014, 42, 6038-6051.	14.5	37
14	Lead Optimization of a Pyrazole Sulfonamide Series of Trypanosoma brucei N-Myristoyltransferase Inhibitors: Identification and Evaluation of CNS Penetrant Compounds as Potential Treatments for Stage 2 Human African Trypanosomiasis. Journal of Medicinal Chemistry, 2014, 57, 9855-9869.	6.4	57
15	Discovery of a Novel Class of Orally Active Trypanocidal N-Myristoyltransferase Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 140-152.	6.4	102
16	O-GlcNAc transferase invokes nucleotide sugar pyrophosphate participation in catalysis. Nature Chemical Biology, 2012, 8, 969-974.	8.0	123
17	Design, Synthesis and Biological Evaluation of Novel Inhibitors of Trypanosoma brucei Pteridine Reductaseâ€…1. ChemMedChem, 2011, 6, 302-308.	3.2	39
18	Novel Ligands for a Purine Riboswitch Discovered by RNA-Ligand Docking. Chemistry and Biology, 2011, 18, 324-335.	6.0	93

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19	Structure-guided design of Î±-amino acid-derived Pin1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 586-590.	2.2	73
20	Development and validation of a cytochrome c-coupled assay for pteridine reductase 1 and dihydrofolate reductase. Analytical Biochemistry, 2010, 396, 194-203.	2.4	23
21	Discovery of cell-active phenyl-imidazole Pin1 inhibitors by structure-guided fragment evolution. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6483-6488.	2.2	86
22	N-myristoyltransferase inhibitors as new leads to treat sleeping sickness. Nature, 2010, 464, 728-732.	27.8	272
23	One Scaffold, Three Binding Modes: Novel and Selective Pteridine Reductase 1 Inhibitors Derived from Fragment Hits Discovered by Virtual Screening. Journal of Medicinal Chemistry, 2009, 52, 4454-4465.	6.4	96
24	Mechanism of Enzymatic Fluorination in Streptomyces cattleya. Journal of the American Chemical Society, 2007, 129, 14597-14604.	13.7	102
25	Crystal Structures of Helicobacter pylori Type II Dehydroquinase Inhibitor Complexes:â€‰ New Directions for Inhibitor Design. Journal of Medicinal Chemistry, 2006, 49, 1282-1290.	6.4	27
26	Substrate specificity in enzymatic fluorination. The fluorinase from Streptomyces cattleya accepts 2â€²-deoxyadenosine substrates. Organic and Biomolecular Chemistry, 2006, 4, 1458.	2.8	35
27	The Fluorinase fromStreptomyces cattleya Is Also a Chlorinase. Angewandte Chemie - International Edition, 2006, 45, 759-762.	13.8	98
28	The Structure and Mechanism of the Type II Dehydroquinase from Streptomyces coelicolor. Structure, 2002, 10, 493-503.	3.3	77