David A Robinson

List of Publications by Year
in descending order

28 papers	1,686 citations	361045 20 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	2256 citing authors

#	Article	IF	Citations
1	N-myristoyltransferase inhibitors as new leads to treat sleeping sickness. Nature, 2010, 464, 728-732.	13.7	272
2	O-GlcNAc transferase invokes nucleotide sugar pyrophosphate participation in catalysis. Nature Chemical Biology, 2012, 8, 969-974.	3.9	123
3	Mechanism of Enzymatic Fluorination in Streptomyces cattleya. Journal of the American Chemical Society, 2007, 129, 14597-14604.	6.6	102
4	Discovery of a Novel Class of Orally Active Trypanocidal N-Myristoyltransferase Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 140-152.	2.9	102
5	The Fluorinase fromStreptomyces cattleya Is Also a Chlorinase. Angewandte Chemie - International Edition, 2006, 45, 759-762.	7.2	98
6	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.	2.9	96
7	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.	3.3	94
8	Novel Ligands for a Purine Riboswitch Discovered by RNA-Ligand Docking. Chemistry and Biology, 2011, 18, 324-335.	6.2	93
9	Discovery of cell-active phenyl-imidazole Pin1 inhibitors by structure-guided fragment evolution. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6483-6488.	1.0	86
10	The Structure and Mechanism of the Type II Dehydroquinase from Streptomyces coelicolor. Structure, 2002, 10, 493-503.	1.6	77
11	Structure-guided design of Î±-amino acid-derived Pin1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 586-590.	1.0	73
12	Bisubstrate UDPâ€“peptide conjugates as human O-GlcNAc transferase inhibitors. Biochemical Journal, 2014, 457, 497-502.	1.7	57
13	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.	2.9	57
14	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.	2.9	41
15	Design, Synthesis and Biological Evaluation of Novel Inhibitors of Trypanosoma brucei Pteridine Reductaseâ€…1. ChemMedChem, 2011, 6, 302-308.	1.6	39
16	N-Myristoyltransferase Is a Cell Wall Target in Aspergillus fumigatus. ACS Chemical Biology, 2015, 10, 1425-1434.	1.6	38
17	The histone chaperones Vps75 and Nap1 form ring-like, tetrameric structures in solution. Nucleic Acids Research, 2014, 42, 6038-6051.	6.5	37
18	Substrate specificity in enzymatic fluorination. The fluorinase from Streptomyces cattleya accepts 2â€²-deoxyadenosine substrates. Organic and Biomolecular Chemistry, 2006, 4, 1458.	1.5	35

#	Article	IF	Citations
19	Crystal Structures of Helicobacter pylori Type II Dehydroquinase Inhibitor Complexes:â€‰ New Directions for Inhibitor Design. Journal of Medicinal Chemistry, 2006, 49, 1282-1290.	2.9	27
20	Development and validation of a cytochrome c-coupled assay for pteridine reductase 1 and dihydrofolate reductase. Analytical Biochemistry, 2010, 396, 194-203.	1.1	23
21	Chemical Validation of Methionyl-tRNA Synthetase as a Druggable Target in Leishmania donovani. ACS Infectious Diseases, 2017, 3, 718-727.	1.8	22
22	Development of Smallâ€Molecule Trypanosoma brucei Nâ€Myristoyltransferase Inhibitors: Discovery and Optimisation of a Novel Binding Mode. ChemMedChem, 2015, 10, 1821-1836.	1.6	20
23	Targeting a critical step in fungal hexosamine biosynthesis. Journal of Biological Chemistry, 2020, 295, 8678-8691.	1.6	16
24	Design and Synthesis of Brain Penetrant Trypanocidal N-Myristoyltransferase Inhibitors. Journal of Medicinal Chemistry, 2017, 60, 9790-9806.	2.9	14
25	Discovery of an Allosteric Binding Site in Kinetoplastid Methionyl-tRNA Synthetase. ACS Infectious Diseases, 2020, 6, 1044-1057.	1.8	11
26	Phosphorylation of Sli15 by Ipl1 Is Important for Proper CPC Localization and Chromosome Stability in Saccharomyces cerevisiae. PLoS ONE, 2014, 9, e89399.	1.1	10
27	Identification of inhibitors of an unconventional Trypanosoma brucei kinetochore kinase. PLoS ONE, 2019, 14, e0217828.	1.1	6
28	Identification and structure solution of fragment hits against kinetoplastidN-myristoyltransferase. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 586-593.	0.4	2