Belinda M Abbott

List of Publications by Year
in descending order

32 papers	921 citations	759190 12 h-index	454934 30 g-index
41 all docs	41 docs citations	41 times ranked	1392 citing authors

#	Article	IF	Citations
1	Discovery, synthesis and exploration of N-benzylsulfonyl-2-phenylazepanes as inhibitors of Bim expression in a mouse embryonic fibroblast model. Bioorganic Chemistry, 2022, 120, 105635.	4.1	0
2	Towards novel herbicide modes of action by inhibiting lysine biosynthesis in plants. ELife, 2021, 10, .	6.0	15
3	Elaboration of a benzofuran scaffold and evaluation of binding affinity and inhibition of Escherichia coli DsbA: A fragment-based drug design approach to novel antivirulence compounds. Bioorganic and Medicinal Chemistry, 2021, 45, 116315.	3.0	7
4	Synthesis and structure-activity relationship studies of 2,4-thiazolidinediones and analogous heterocycles as inhibitors of dihydrodipicolinate synthase. Bioorganic and Medicinal Chemistry, 2021, 52, 116518.	3.0	6
5	A 4-cyano-3-methylisoquinoline inhibitor of Plasmodium falciparum growth targets the sodium efflux pump PfATP4. Scientific Reports, 2019, 9, 10292.	3.3	20
6	Pursuing DHDPS: an enzyme of unrealised potential as a novel antibacterial target. MedChemComm, 2019, 10, 1581-1588.	3.4	11
7	The Fragment-Based Development of a Benzofuran Hit as a New Class of Escherichia coli DsbA Inhibitors. Molecules, 2019, 24, 3756.	3.8	22
8	Halocarbons as hydrogen bond acceptors: a spectroscopic study of haloethylbenzenes (PhCH₂CH₂X, X = F, Cl, Br) and their hydrate clusters. Physical Chemistry Chemical Physics, 2018, 20, 8218-8227.	2.8	8
9	Molecular evolution of an oligomeric biocatalyst functioning in lysine biosynthesis. Biophysical Reviews, 2018, 10, 153-162.	3.2	16
10	Multiâ€Targeted Inhibition of an Essential Bacterial Enzyme. FASEB Journal, 2018, 32, 810.3.	0.5	0
11	Synthesis of novel 1,2,5-oxadiazoles and evaluation of action against Acinetobacter baumannii. Bioorganic and Medicinal Chemistry, 2017, 25, 6267-6272.	3.0	16
12	Exploration of 3-methylisoquinoline-4-carbonitriles as protein kinase A inhibitors of Plasmodium falciparum. Bioorganic and Medicinal Chemistry, 2016, 24, 2389-2396.	3.0	12
13	Antimalarial activity of novel 4-cyano-3-methylisoquinoline inhibitors against Plasmodium falciparum: design, synthesis and biological evaluation. Organic and Biomolecular Chemistry, 2016, 14, 4617-4639.	2.8	14
14	Structural Determinants Defining the Allosteric Inhibition of an Essential Antibiotic Target. Structure, 2016, 24, 1282-1291.	3.3	34
15	Recent progress towards an effective treatment of amyotrophic lateral sclerosis using the SOD1 mouse model in a preclinical setting. European Journal of Medicinal Chemistry, 2016, 121, 918-925.	5.5	14
16	Efficacy of peptide nucleic acid and selected conjugates against specific cellular pathologies of amyotrophic lateral sclerosis. Bioorganic and Medicinal Chemistry, 2016, 24, 1520-1527.	3.0	2
17	Quaternary Structure Analyses of an Essential Oligomeric Enzyme. Methods in Enzymology, 2015, 562, 205-223.	1.0	24
18	A total synthesis of a highly N-methylated cyclodepsipeptide [2S,3S-Hmp]-aureobasidin L using solid-phase methods. Tetrahedron, 2014, 70, 2351-2358.	1.9	19

#	Article	IF	Citations
19	Synthesis of substituted 4-(1H-indol-6-yl)-1H-indazoles as potential PDK1 inhibitors. Tetrahedron, 2014, 70, 318-326.	1.9	8
20	Synthesis and biological evaluation of 2-anilino-4-substituted-7H-pyrrolopyrimidines as PDK1 inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 3879-3886.	3.0	9
21	Synthesis and biological evaluation of substituted 3-anilino-quinolin-2(1H)-ones as PDK1 inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 3781-3790.	3.0	14
22	Synthesis and biological evaluation of substituted 2-anilino-7H-pyrrolopyrimidines as PDK1 inhibitors. Tetrahedron, 2014, 70, 4947-4956.	1.9	7
23	Synthesis and effects of conjugated tocopherol analogues on peptide nucleic acid hybridisation. Organic and Biomolecular Chemistry, 2013, 11, 6744.	2.8	6
24	Potent Inhibitors of Phosphatidylinositolâ€...3 (PI3) Kinase that have Antiproliferative Activity Only When Delivered as Prodrug Forms. ChemMedChem, 2013, 8, 914-918.	3.2	11
25	Peptide Nucleic Acid Monomers: A Convenient and Efficient Synthetic Approach to Fmoc/Boc Monomers. Australian Journal of Chemistry, 2012, 65, 539.	0.9	8
26	Photochemical synthesis of benz[h]isoquinolines. Tetrahedron, 2008, 64, 5072-5078.	1.9	7
27	Analysis of anti-PDE3 activity of 2-morpholinochromone derivatives reveals multiple mechanisms of anti-platelet activity. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 969-973.	2.2	8
28	PI 3-kinase p110Î²: a new target for antithrombotic therapy. Nature Medicine, 2005, 11, 507-514.	30.7	555
29	A reversed-phase HPLC-based method for the assay of cyclic nucleotide phosphodiesterase activity. Analytical Biochemistry, 2005, 339, 185-187.	2.4	2
30	PDE2 inhibition by the PI3 kinase inhibitor LY294002 and analogues. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2847-2851.	2.2	25
31	Synthetic Studies of the Phosphatidylinositol 3-Kinase Inhibitor LY294002 and Related Analogues. Australian Journal of Chemistry, 2003, 56, 1099.	0.9	14
32	A dual-target herbicidal inhibitor of lysine biosynthesis. ELife, 0, 11, .	6.0	5