Ali J Ryan

List of Publications by Year
in descending order

29 papers	999 citations	566801 15 h-index	580395 25 g-index
31 all docs	31 docs citations	31 times ranked	1538 citing authors

#	Article	IF	Citations
1	Effect of Detergent on â€œPromiscuousâ€•Inhibitors. Journal of Medicinal Chemistry, 2003, 46, 3448-3451.	2.9	223
2	Arylamine Nâ€•acetyltransferases: from drug metabolism and pharmacogenetics to drug discovery. British Journal of Pharmacology, 2014, 171, 2705-2725.	2.7	125
3	Structural basis of binding of fluorescent, site-specific dansylated amino acids to human serum albumin. Journal of Structural Biology, 2011, 174, 84-91.	1.3	121
4	Azoreductases in drug metabolism. British Journal of Pharmacology, 2017, 174, 2161-2173.	2.7	64
5	Identification of NAD(P)H Quinone Oxidoreductase Activity in Azoreductases from P. aeruginosa: Azoreductases and NAD(P)H Quinone Oxidoreductases Belong to the Same FMN-Dependent Superfamily of Enzymes. PLoS ONE, 2014, 9, e98551.	1.1	55
6	Reaction mechanism of azoreductases suggests convergent evolution with quinone oxidoreductases. Protein and Cell, 2010, 1, 780-790.	4.8	51
7	A Novel Mechanism for Azoreduction. Journal of Molecular Biology, 2010, 400, 24-37.	2.0	48
8	Improvements in behaviour and physical manifestations in previously untreated adults with phenylketonuria using a phenylalanine-restricted diet: a national survey. Journal of Inherited Metabolic Disease, 1995, 18, 131-134.	1.7	42
9	Crystallographic analysis reveals the structural basis of the high-affinity binding of iophenoxic acid to human serum albumin. BMC Structural Biology, 2011, 11, 18.	2.3	31
10	Activation of nitrofurazone by azoreductases: multiple activities in one enzyme. Scientific Reports, 2011, 1, 63.	1.6	30
11	Structureâ€“activity relationships and colorimetric properties of specific probes for the putative cancer biomarker human arylamine N-acetyltransferase 1. Bioorganic and Medicinal Chemistry, 2014, 22, 3030-3054.	1.4	28
12	Primary sequence contribution to the optical function of the eye lens. Scientific Reports, 2014, 4, 5195.	1.6	28
13	Role of tyrosine 131 in the active site of paAzoR1, an azoreductase with specificity for the inflammatory bowel disease prodrug balsalazide. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 2-7.	0.7	23
14	Investigation of the mycobacterial enzyme HsaD as a potential novel target for antiâ€•tubercular agents using a fragmentâ€•based drug design approach. British Journal of Pharmacology, 2017, 174, 2209-2224.	2.7	19
15	Identification of novel members of the bacterial azoreductase family in Pseudomonas aeruginosa. Biochemical Journal, 2016, 473, 549-558.	1.7	16
16	The role of apolipoprotein Nâ€•acyl transferase, Lnt, in the lipidation of factor H binding protein of Neisseria meningitidis strain MC58 and its potential as a drug target. British Journal of Pharmacology, 2017, 174, 2247-2260.	2.7	16
17	Potential Use of the Maillard Reaction for Pharmaceutical Applications: Gastric and Intestinal Controlled Release Alginate-Albumin Beads. Pharmaceutics, 2019, 11, 83.	2.0	15
18	Comparative analysis of xenobiotic metabolising N-acetyltransferases from ten non-human primates as in vitro models of human homologues. Scientific Reports, 2018, 8, 9759.	1.6	14

#	Article	IF	Citations
19	Mechanism-based inhibition of HsaD: a C-C bond hydrolase essential for survival ofMycobacterium tuberculosisin macrophage. FEMS Microbiology Letters, 2014, 350, 42-47.	0.7	13
20	Variant Signal Peptides of Vaccine Antigen, FHbp, Impair Processing Affecting Surface Localization and Antibody-Mediated Killing in Most Meningococcal Isolates. Frontiers in Microbiology, 2019, 10, 2847.	1.5	12
21	Expression and regulation of type 2A protein phosphatases and alpha4 signalling in cardiac health and hypertrophy. Basic Research in Cardiology, 2017, 112, 37.	2.5	11
22	Purification, Quantification, and Functional Analysis of Complement Factor H. Methods in Molecular Biology, 2014, 1100, 207-223.	0.4	5
23	Drug metabolism and antibiotic resistance in microâ€organisms. British Journal of Pharmacology, 2017, 174, 2159-2160.	2.7	3
24	EXPRESSION OF TYPE 2A PROTEIN PHOSPHATASES IN CARDIAC HEALTH AND DISEASE. Heart, 2014, 100, A16.2-A16.	1.2	1
25	Synthesis and Initial Evaluation of a Novel Fluorophore for Selective FMDV 3C Protease Detection. Molecules, 2020, 25, 3599.	1.7	0
26	A study of the binding of dansylated amino acids to human serum albumin. Acta Crystallographica Section A: Foundations and Advances, 2007, 63, s19-s19.	0.3	0
27	A novel mechanism for azoreduction. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s137-s137.	0.3	0
28	Structural insights into the mechanism of drug activation by azoreductases. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C768-C768.	0.3	0
29	Fragment-based approaches for anti-tuberculosis drug discovery. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s349-s349.	0.3	0