Tyler B Hughes

List of Publications by Year
in descending order

16	926	623734 14	940533 16
papers	citations	h-index	g-index

16	16	16	1544
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. PLoS Pathogens, 2016, 12, e1005763.	4.7	244
2	Modeling Epoxidation of Drug-like Molecules with a Deep Machine Learning Network. ACS Central Science, 2015, 1, 168-180.	11.3	130
3	Modeling Reactivity to Biological Macromolecules with a Deep Multitask Network. ACS Central Science, 2016, 2, 529-537.	11.3	76
4	Site of Reactivity Models Predict Molecular Reactivity of Diverse Chemicals with Glutathione. Chemical Research in Toxicology, 2015, 28, 797-809.	3.3	70
5	Enhancer Sequence Variants and Transcription-Factor Deregulation Synergize to Construct Pathogenic Regulatory Circuits in B-Cell Lymphoma. Immunity, 2015, 42, 186-198.	14.3	64
6	XenoSite server: a web-available site of metabolism prediction tool. Bioinformatics, 2015, 31, 1136-1137.	4.1	64
7	Deep Learning to Predict the Formation of Quinone Species in Drug Metabolism. Chemical Research in Toxicology, 2017, 30, 642-656.	3.3	57
8	A simple model predicts UGT-mediated metabolism. Bioinformatics, 2016, 32, 3183-3189.	4.1	51
9	Computational Approach to Structural Alerts: Furans, Phenols, Nitroaromatics, and Thiophenes. Chemical Research in Toxicology, 2017, 30, 1046-1059.	3.3	32
10	Computationally Assessing the Bioactivation of Drugs by N-Dealkylation. Chemical Research in Toxicology, 2018, 31, 68-80.	3.3	30
11	Modeling Small-Molecule Reactivity Identifies Promiscuous Bioactive Compounds. Journal of Chemical Information and Modeling, 2018, 58, 1483-1500.	5.4	28
12	The Metabolic Rainbow: Deep Learning Phase I Metabolism in Five Colors. Journal of Chemical Information and Modeling, 2020, 60, 1146-1164.	5.4	26
13	Lamisil (terbinafine) toxicity: Determining pathways to bioactivation through computational and experimental approaches. Biochemical Pharmacology, 2018, 156, 10-21.	4.4	17
14	Extending P450 site-of-metabolism models with region-resolution data. Bioinformatics, 2015, 31, 1966-1973.	4.1	15
15	Metabolic Forest: Predicting the Diverse Structures of Drug Metabolites. Journal of Chemical Information and Modeling, 2020, 60, 4702-4716.	5.4	11
16	Modeling the Bioactivation and Subsequent Reactivity of Drugs. Chemical Research in Toxicology, 2021, 34, 584-600.	3.3	11