Gary W Black

List of Publications by Year
in descending order

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22 papers	432 citations	759233 12 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	677 citing authors

#	Article	IF	Citations
1	Computer-Informed Engineering: A New Class I Sesquiterpene Synthase JeSTS4 for the Synthesis of an Unusual C10-(S)-Bicyclogermacrene. ACS Catalysis, 2022, 12, 4037-4045.	11.2	6
2	Single-Site Mutation Induces Water-Mediated Promiscuity in Lignin Breaking Cytochrome P450_{GcoA}. ACS Omega, 2022, 7, 21109-21118.	3.5	5
3	Cytochromes P450 (P450s): A review of the class system with a focus on prokaryotic P450s. Advances in Protein Chemistry and Structural Biology, 2020, 122, 289-320.	2.3	19
4	Monoamine Oxidase (MAO-N) Biocatalyzed Synthesis of Indoles from Indolines Prepared via Photocatalytic Cyclization/Arylative Dearomatization. ACS Catalysis, 2020, 10, 6414-6421.	11.2	25
5	Proteomics and bioinformatics analyses identify novel cellular roles outside mitochondrial function for human miro GTPases. Molecular and Cellular Biochemistry, 2019, 451, 21-35.	3.1	1
6	A facile and regioselective multicomponent synthesis of chiral aryl-1,2-mercaptoamines in water followed by monoamine oxidase (MAO-N) enzymatic resolution. Organic and Biomolecular Chemistry, 2019, 17, 8982-8986.	2.8	3
7	Antidiabetic â€œgliptinsâ€•affect biofilm formation by Streptococcus mutans. Microbiological Research, 2018, 209, 79-85.	5.3	6
8	Understanding Miro GTPases: Implications in the Treatment of Neurodegenerative Disorders. Molecular Neurobiology, 2018, 55, 7352-7365.	4.0	31
9	Structural Insights from Molecular Dynamics Simulations of Tryptophan 7-Halogenase and Tryptophan 5-Halogenase. ACS Omega, 2018, 3, 4847-4859.	3.5	20
10	Fluorogenic kinetic assay for high-throughput discovery of stereoselective ketoreductases relevant to pharmaceutical synthesis. Bioorganic and Medicinal Chemistry, 2018, 26, 1320-1326.	3.0	8
11	Monoamine Oxidase (MAO-N) Whole Cell Biocatalyzed Aromatization of 1,2,5,6-Tetrahydropyridines into Pyridines. ACS Catalysis, 2018, 8, 8781-8787.	11.2	26
12	The effect of Maillard reaction products and yeast strain on the synthesis of key higher alcohols and esters in beer fermentations. Food Chemistry, 2017, 232, 595-601.	8.2	61
13	Unveiling the Biocatalytic Aromatizing Activity of Monoamine Oxidases MAO-N and 6-HDNO: Development of Chemoenzymatic Cascades for the Synthesis of Pyrroles. ACS Catalysis, 2017, 7, 1295-1300.	11.2	64
14	Conformational Dynamics, Ligand Binding and Effects of Mutations in NirE an S-Adenosyl-L-Methionine Dependent Methyltransferase. Scientific Reports, 2016, 6, 20107.	3.3	21
15	Conformational flexibility influences structureâ€“function relationships in tyrosyl protein sulfotransferase-2. RSC Advances, 2016, 6, 11344-11352.	3.6	6
16	Dimerization and ligand binding in tyrosylprotein sulfotransferase-2 are influenced by molecular motions. RSC Advances, 2016, 6, 18542-18548.	3.6	3
17	A high-throughput screening method for determining the substrate scope of nitrilases. Chemical Communications, 2015, 51, 2660-2662.	4.1	31
18	Characterisation of SEQ0694 (PrsA/PrtM) of Streptococcus equi as a functional peptidyl-prolyl isomerase affecting multiple secreted protein substrates. Molecular BioSystems, 2015, 11, 3279-3286.	2.9	8

#	Article	IF	Citations
19	How does conformational flexibility influence key structural features involved in activation of anaplastic lymphoma kinase?. Molecular BioSystems, 2014, 10, 1490-1495.	2.9	9
20	Conformational Effects on the Circular Dichroism of Human Carbonic Anhydrase II: A Multilevel Computational Study. PLoS ONE, 2013, 8, e56874.	2.5	17
21	The Streptococcus equi prophage-encoded protein SEQ2045 is a hyaluronan-specific hyaluronate lyase that is produced during equine infection. Microbiology (United Kingdom), 2009, 155, 443-449.	1.8	20
22	Reclassification of â€˜Pseudomonas fluorescens subsp. cellulosaâ€™ NCIMB 10462 (Ueda et al. 1952) as Cellvibrio japonicus sp. nov. and revival of Cellvibrio vulgaris sp. nov., nom. rev. and Cellvibrio fulvus sp. nov., nom. rev.. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 393-400.	1.7	42