Daniel Andrew Gideon

List of Publications by Year
in descending order

21	435	759055 12	794469 19
papers	citations	h-index	g-index

38	38	38	99
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atypical profiles and modulations of heme-enzymes catalyzed outcomes by low amounts of diverse additives suggest diffusible radicals' obligatory involvement in such redox reactions. Biochimie, 2016, 125, 91-111.	1.3	40
2	What is the Functional Role of N-terminal Transmembrane Helices in the Metabolism Mediated by Liver Microsomal Cytochrome P450 and its Reductase?. Cell Biochemistry and Biophysics, 2012, 63, 35-45.	0.9	38
3	Chemiosmotic and murburn explanations for aerobic respiration: Predictive capabilities, structure-function correlations and chemico-physical logic. Archives of Biochemistry and Biophysics, 2019, 676, 108128.	1.4	34
4	Cyanide does more to inhibit heme enzymes, than merely serving as an active-site ligand. Biochemical and Biophysical Research Communications, 2014, 455, 190-193.	1.0	30
5	Electron transfer amongst flavo- and hemo-proteins: diffusible species effect the relay processes, not proteinâ€“protein binding. RSC Advances, 2016, 6, 24121-24129.	1.7	29
6	Murburn Concept: A Molecular Explanation for Hormetic and Idiosyncratic Dose Responses. Dose-Response, 2018, 16, 155932581877442.	0.7	29
7	Acute toxicity of cyanide in aerobic respiration: Theoretical and experimental support for murburn explanation. Biomolecular Concepts, 2020, 11, 32-56.	1.0	28
8	Murburn scheme for mitochondrial thermogenesis. Biomedical Reviews, 2019, 29, 73.	0.6	23
9	Are plastocyanin and ferredoxin specific electron carriers or generic redox capacitors? Classical and murburn perspectives on two photosynthetic proteins. Journal of Biomolecular Structure and Dynamics, 2022, 40, 1995-2009.	2.0	20
10	What is the Role of Lipid Membrane-embedded Quinones in Mitochondria and Chloroplasts? Chemiosmotic Q-cycle versus Murburn Reaction Perspective. Cell Biochemistry and Biophysics, 2021, 79, 3-10.	0.9	18
11	Validating the predictions of murburn model for oxygenic photosynthesis: Analyses of ligand-binding to protein complexes and cross-system comparisons. Journal of Biomolecular Structure and Dynamics, 2022, 40, 11024-11056.	2.0	18
12	Hemoglobin catalyzes ATP-synthesis in human erythrocytes: a murburn model. Journal of Biomolecular Structure and Dynamics, 2022, 40, 8783-8795.	2.0	17
13	Structure-function correlations and system dynamics in oxygenic photosynthesis: classical perspectives and murburn precepts. Journal of Biomolecular Structure and Dynamics, 2022, 40, 10997-11023.	2.0	15
14	Murburn precepts for lacticâ€acidosis, Cori cycle, and Warburg effect: Interactive dynamics of dehydrogenases, protons, and oxygen. Journal of Cellular Physiology, 2022, 237, 1902-1922.	2.0	15
15	Mechanism of electron transfers mediated by cytochromes c and b₅ in mitochondria and endoplasmic reticulum: classical and murburn perspectives. Journal of Biomolecular Structure and Dynamics, 2022, 40, 9235-9252.	2.0	14
16	Why do cells need oxygen? Insights from mitochondrial composition and function. Cell Biology International, 2022, 46, 344-358.	1.4	13
17	2020: murburn concept heralds a new era in cellular bioenergetics. Biomedical Reviews, 2020, 30, 89.	0.6	11
18	Interaction of membraneâ€embedded cytochrome b â€complexes with quinols: Classical Qâ€cycle and murburn model. Cell Biochemistry and Function, 2022, , .	1.4	9

#	Article	IF	Citations
19	Murburn model of vision: Precepts and proof of concept. Journal of Cellular Physiology, 0, , .	2.0	8
20	Structural foundations for explaining the physiological roles of murzymes embedded in diverse phospholipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183981.	1.4	8
21	Deciphering the pharmacological potentials of Aganosma cymosa (Roxb.) G. Don using in vitro and computational methods. Process Biochemistry, 2022, 114, 119-133.	1.8	2