

Daniel Andrew Gideon

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

435
citations

759055

12
h-index

794469

19
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38
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38
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citing authors

#	ARTICLE	IF	CITATIONS
1	Are plastocyanin and ferredoxin specific electron carriers or generic redox capacitors? Classical and murburn perspectives on two photosynthetic proteins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 1995-2009.	2.0	20
2	Mechanism of electron transfers mediated by cytochromes <i>c</i> and <i>b</i> ₅ in mitochondria and endoplasmic reticulum: classical and murburn perspectives. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9235-9252.	2.0	14
3	Hemoglobin catalyzes ATP-synthesis in human erythrocytes: a murburn model. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 8783-8795.	2.0	17
4	Validating the predictions of murburn model for oxygenic photosynthesis: Analyses of ligand-binding to protein complexes and cross-system comparisons. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11024-11056.	2.0	18
5	Structure-function correlations and system dynamics in oxygenic photosynthesis: classical perspectives and murburn precepts. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 10997-11023.	2.0	15
6	Interaction of membrane-embedded cytochrome <i>b</i> complexes with quinols: Classical <i>Q</i> -cycle and murburn model. <i>Cell Biochemistry and Function</i> , 2022, , .	1.4	9
7	Deciphering the pharmacological potentials of <i>Aganosma cymosa</i> (Roxb.) G. Don using in vitro and computational methods. <i>Process Biochemistry</i> , 2022, 114, 119-133.	1.8	2
8	Murburn precepts for lactic acidosis, Cori cycle, and Warburg effect: Interactive dynamics of dehydrogenases, protons, and oxygen. <i>Journal of Cellular Physiology</i> , 2022, 237, 1902-1922.	2.0	15
9	Why do cells need oxygen? Insights from mitochondrial composition and function. <i>Cell Biology International</i> , 2022, 46, 344-358.	1.4	13
10	Structural foundations for explaining the physiological roles of murzymes embedded in diverse phospholipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183981.	1.4	8
11	What is the Role of Lipid Membrane-embedded Quinones in Mitochondria and Chloroplasts? Chemiosmotic <i>Q</i> -cycle versus Murburn Reaction Perspective. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 3-10.	0.9	18
12	Acute toxicity of cyanide in aerobic respiration: Theoretical and experimental support for murburn explanation. <i>Biomolecular Concepts</i> , 2020, 11, 32-56.	1.0	28
13	2020: murburn concept heralds a new era in cellular bioenergetics. <i>Biomedical Reviews</i> , 2020, 30, 89.	0.6	11
14	Chemiosmotic and murburn explanations for aerobic respiration: Predictive capabilities, structure-function correlations and chemico-physical logic. <i>Archives of Biochemistry and Biophysics</i> , 2019, 676, 108128.	1.4	34
15	Murburn scheme for mitochondrial thermogenesis. <i>Biomedical Reviews</i> , 2019, 29, 73.	0.6	23
16	Murburn Concept: A Molecular Explanation for Hormetic and Idiosyncratic Dose Responses. <i>Dose-Response</i> , 2018, 16, 155932581877442.	0.7	29
17	Atypical profiles and modulations of heme-enzymes catalyzed outcomes by low amounts of diverse additives suggest diffusible radicals' obligatory involvement in such redox reactions. <i>Biochimie</i> , 2016, 125, 91-111.	1.3	40
18	Electron transfer amongst flavo- and hemo-proteins: diffusible species effect the relay processes, not protein-protein binding. <i>RSC Advances</i> , 2016, 6, 24121-24129.	1.7	29

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19	Cyanide does more to inhibit heme enzymes, than merely serving as an active-site ligand. <i>Biochemical and Biophysical Research Communications</i> , 2014, 455, 190-193.	1.0	30
20	What is the Functional Role of N-terminal Transmembrane Helices in the Metabolism Mediated by Liver Microsomal Cytochrome P450 and its Reductase?. <i>Cell Biochemistry and Biophysics</i> , 2012, 63, 35-45.	0.9	38
21	Murburn model of vision: Precepts and proof of concept. <i>Journal of Cellular Physiology</i> , 0, , .	2.0	8