

Mariel Zarco-Zavala

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

303
citations

933447

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h-index

1125743

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g-index

14
all docs

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docs citations

14
times ranked

313
citing authors

#	ARTICLE	IF	CITATIONS
1	Atypical Cristae Morphology of Human Syncytiotrophoblast Mitochondria. <i>Journal of Biological Chemistry</i> , 2011, 286, 23911-23919.	3.4	58
2	A novel 11â€kDa inhibitory subunit in the F ₁ F ₀ -ATP synthase of <i>Paracoccus denitrificans</i> and related $\hat{\pm}$ -proteobacteria. <i>FASEB Journal</i> , 2010, 24, 599-608.	0.5	50
3	The $\hat{\eta}$ subunit of the F ₁ F ₀ -ATP synthase of $\hat{\pm}$ -proteobacteria controls rotation of the nanomotor with a different structure. <i>FASEB Journal</i> , 2014, 28, 2146-2157.	0.5	31
4	The Biological Role of the $\hat{\eta}$ Subunit as Unidirectional Inhibitor of the F ₁ F ₀ -ATPase of <i>Paracoccus denitrificans</i> . <i>Cell Reports</i> , 2018, 22, 1067-1078.	6.4	27
5	The fully-active and structurally-stable form of the mitochondrial ATP synthase of <i>Polytomella</i> sp. is dimeric. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 1-13.	2.3	23
6	Insights into the regulatory function of the $\hat{\epsilon}$ subunit from bacterial F-type ATP synthases: a comparison of structural, biochemical and biophysical data. <i>Open Biology</i> , 2018, 8, 170275.	3.6	21
7	The Inhibitory Mechanism of the $\hat{\eta}$ Subunit of the F ₁ F ₀ -ATPase Nanomotor of <i>Paracoccus denitrificans</i> and Related $\hat{\pm}$ -Proteobacteria. <i>Journal of Biological Chemistry</i> , 2016, 291, 538-546.	3.4	20
8	The 3 Å– 120Å° rotary mechanism of <i>Paracoccus denitrificans</i> F ₁ -ATPase is different from that of the bacterial and mitochondrial F ₁ -ATPases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29647-29657.	7.1	19
9	Control of rotation of the F ₁ F ₀ -ATP synthase nanomotor by an inhibitory $\hat{\pm}$ -helix from unfolded $\hat{\mu}$ or intrinsically disordered $\hat{\eta}$ and IF1 proteins. <i>Journal of Bioenergetics and Biomembranes</i> , 2018, 50, 403-424.	2.3	17
10	Putative Repurposing of Lamivudine, a Nucleoside/Nucleotide Analogue and Antiretroviral to Improve the Outcome of Cancer and COVID-19 Patients. <i>Frontiers in Oncology</i> , 2021, 11, 664794.	2.8	14
11	Unidirectional regulation of the F ₁ F ₀ -ATP synthase nanomotor by the $\hat{\eta}$ pawl-ratchet inhibitor protein of <i>Paracoccus denitrificans</i> and related $\hat{\pm}$ -proteobacteria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 762-774.	1.0	11
12	Regulation of bacterial ATP synthase activity: A gear-shifting or a pawl-ratchet mechanism?. <i>FEBS Journal</i> , 2021, 288, 3159-3163.	4.7	7
13	Evolution of the Inhibitory and Non-Inhibitory $\hat{\mu}$, $\hat{\eta}$, and IF1 Subunits of the F ₁ F ₀ -ATPase as Related to the Endosymbiotic Origin of Mitochondria. <i>Microorganisms</i> , 2022, 10, 1372.	3.6	5
14	Unidirectional control of the F ₁ F ₀ -ATPase/synthase nanomotor by the $\hat{\eta}$ pawl-ratchet inhibitor protein of <i>Paracoccus denitrificans</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, e24-e25.	1.0	0