Valentina Giorgio

List of Publications by Year
in descending order

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42	3,089	257450	289244
papers	citations	24 h-index	40 g-index

53	53	53	3798
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Calcium Signaling and Mitochondrial Function in Presenilin 2 Knock-Out Mice: Looking for Any Loss-of-Function Phenotype Related to Alzheimerâ€™s Disease. Cells, 2021, 10, 204.	4.1	10
2	The ATP Synthase Deficiency in Human Diseases. Life, 2021, 11, 325.	2.4	27
3	The f subunit of human ATP synthase is essential for normal mitochondrial morphology and permeability transition. Cell Reports, 2021, 35, 109111.	6.4	22
4	Defective Mitochondrial Pyruvate Flux Affects Cell Bioenergetics in Alzheimerâ€™s Disease-Related Models. Cell Reports, 2020, 30, 2332-2348.e10.	6.4	67
5	The role of mitochondrial ATP synthase in cancer. Biological Chemistry, 2020, 401, 1199-1214.	2.5	29
6	Purified F-ATP synthase forms a Ca2+-dependent high-conductance channel matching the mitochondrial permeability transition pore. Nature Communications, 2019, 10, 4341.	12.8	139
7	Purification of Functional F-ATP Synthase from Blue Native PAGE. Methods in Molecular Biology, 2019, 1925, 233-243.	0.9	7
8	Mitochondria at the Crossroads of Survival and Demise. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-2.	4.0	5
9	OSCP subunit of mitochondrial ATP synthase: role in regulation of enzyme function and of its transition to a pore. British Journal of Pharmacology, 2019, 176, 4247-4257.	5.4	32
10	The idebenone metabolite QS10 restores electron transfer in complex I and coenzyme Q defects. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 901-908.	1.0	31
11	Calcium and regulation of the mitochondrial permeability transition. Cell Calcium, 2018, 70, 56-63.	2.4	141
12	The unique histidine in OSCP subunit of Fâ€ATP synthase mediates inhibition of the permeability transition pore by acidic pH. EMBO Reports, 2018, 19, 257-268.	4.5	91
13	Pore formation by yeast mitochondrial ATP synthase involves subunits e, g and b. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, e16-e17.	1.0	0
14	Properties of the Permeability Transition of Pea Stem Mitochondria. Frontiers in Physiology, 2018, 9, 1626.	2.8	16
15	Effect of anions on Cyclophilin D binding to F-ATP synthase: Implications for the permeability transition pore. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, e111-e112.	1.0	0
16	Role of F-ATP synthase f subunit in dimer formation and PTP modulation. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, e110.	1.0	0
17	High-Conductance Channel Formation in Yeast Mitochondria is Mediated by F-ATP Synthase e and g Subunits. Cellular Physiology and Biochemistry, 2018, 50, 1840-1855.	1.6	57
18	ALDH2 Activity Reduces Mitochondrial Oxygen Reserve Capacity in Endothelial Cells and Induces Senescence Properties. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-13.	4.0	23

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19	Dopamine Oxidation Products as Mitochondrial Endotoxins, a Potential Molecular Mechanism for Preferential Neurodegeneration in Parkinsonâ€™s Disease. ACS Chemical Neuroscience, 2018, 9, 2849-2858.	3.5	42
20	Ca²⁺ binding to Fâ€ATP synthase Î² subunit triggers the mitochondrial permeability transition. EMBO Reports, 2017, 18, 1065-1076.	4.5	170
21	SLP-2 interacts with Parkin in mitochondria and prevents mitochondrial dysfunction in Parkin-deficient human iPSC-derived neurons andDrosophila. Human Molecular Genetics, 2017, 26, 2412-2425.	2.9	48
22	The Dual Function of Reactive Oxygen/Nitrogen Species in Bioenergetics and Cell Death: The Role of ATP Synthase. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-17.	4.0	66
23	Forty years later: Mitochondria as therapeutic targets in muscle diseases. Pharmacological Research, 2016, 113, 563-573.	7.1	28
24	The Ca 2+ regulatory site of the permeability transition pore is within the catalytic core of F-ATP synthase. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, e65-e66.	1.0	1
25	F-ATPase of Drosophila melanogaster Forms 53-Picosiemen (53-pS) Channels Responsible for Mitochondrial Ca2+-induced Ca2+ Release. Journal of Biological Chemistry, 2015, 290, 4537-4544.	3.4	64
26	Different mtDNA mutations modify tumor progression in dependence of the degree of respiratory complex I impairment. Human Molecular Genetics, 2014, 23, 1453-1466.	2.9	96
27	The Oligomycin-Sensitivity Conferring Protein of Mitochondrial ATP Synthase: Emerging New Roles in Mitochondrial Pathophysiology. International Journal of Molecular Sciences, 2014, 15, 7513-7536.	4.1	44
28	Silencing of mitochondrial Lon protease deeply impairs mitochondrial proteome and function in colon cancer cells. FASEB Journal, 2014, 28, 5122-5135.	0.5	69
29	Channel formation by yeast F-ATP synthase and the role of dimerization in the mitochondrial permeability transition. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, e12.	1.0	0
30	Modulation of F-ATP synthase by pH: Role of His112 protonation of OSCP. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, e12-e13.	1.0	0
31	Channel Formation by Yeast F-ATP Synthase and the Role of Dimerization in the Mitochondrial Permeability Transition. Journal of Biological Chemistry, 2014, 289, 15980-15985.	3.4	139
32	FOF1-ATP Synthase Dimers and The Mitochondrial Permeability Transition Pore from Yeast to Mammals. Biophysical Journal, 2014, 106, 3a.	0.5	0
33	Respiratory complex I is essential to induce a Warburg profile in mitochondria-defective tumor cells. Cancer & Metabolism, 2013, 1, 11.	5.0	75
34	Dimers of mitochondrial ATP synthase form the permeability transition pore. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5887-5892.	7.1	822
35	The effects of idebenone on mitochondrial bioenergetics. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 363-369.	1.0	107
36	Cytotoxicity of a mitochondriotropic quercetin derivative: Mechanisms. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1095-1106.	1.0	34

#	Article	IF	Citations
37	The mitochondrial permeability transition pore and cyclophilin D in cardioprotection. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1316-1322.	4.1	98
38	The ectopic FOF1 ATP synthase of rat liver is modulated in acute cholestasis by the inhibitor protein IF1. Journal of Bioenergetics and Biomembranes, 2010, 42, 117-123.	2.3	27
39	Cyclophilin D in mitochondrial pathophysiology. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1113-1118.	1.0	161
40	Mitochondrial function and idebenone: A good therapy for Leber's hereditary optic neuropathy?. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 80.	1.0	0
41	Cyclophilin D Modulates Mitochondrial F0F1-ATP Synthase by Interacting with the Lateral Stalk of the Complex. Journal of Biological Chemistry, 2009, 284, 33982-33988.	3.4	262
42	Functional and stoichiometric analysis of subunit e in bovine heart mitochondrial F0F1ATP synthase. Journal of Bioenergetics and Biomembranes, 2008, 40, 257-67.	2.3	22