

# Valentina Giorgio

## List of Publications by Year in descending order

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42  
papers

3,089  
citations

257450

24  
h-index

289244

40  
g-index

53  
all docs

53  
docs citations

53  
times ranked

3798  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Cyclophilin D Modulates Mitochondrial FOF1-ATP Synthase by Interacting with the Lateral Stalk of the Complex. Journal of Biological Chemistry, 2009, 284, 33982-33988.	3.4	262
3	Ca <sup>2+</sup> binding to F <sub>1</sub> ATP synthase $\hat{F}_2$ subunit triggers the mitochondrial permeability transition. EMBO Reports, 2017, 18, 1065-1076.	4.5	170
4	Cyclophilin D in mitochondrial pathophysiology. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1113-1118.	1.0	161
5	Calcium and regulation of the mitochondrial permeability transition. Cell Calcium, 2018, 70, 56-63.	2.4	141
6	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
7	Purified F-ATP synthase forms a Ca <sup>2+</sup> -dependent high-conductance channel matching the mitochondrial permeability transition pore. Nature Communications, 2019, 10, 4341.	12.8	139
8	The effects of idebenone on mitochondrial bioenergetics. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 363-369.	1.0	107
9	The mitochondrial permeability transition pore and cyclophilin D in cardioprotection. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1316-1322.	4.1	98
10	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
11	The unique histidine in OSCP subunit of F <sub>1</sub> ATP synthase mediates inhibition of the permeability transition pore by acidic pH. EMBO Reports, 2018, 19, 257-268.	4.5	91
12	Respiratory complex I is essential to induce a Warburg profile in mitochondria-defective tumor cells. Cancer & Metabolism, 2013, 1, 11.	5.0	75
13	Silencing of mitochondrial Lon protease deeply impairs mitochondrial proteome and function in colon cancer cells. FASEB Journal, 2014, 28, 5122-5135.	0.5	69
14	Defective Mitochondrial Pyruvate Flux Affects Cell Bioenergetics in Alzheimer's Disease-Related Models. Cell Reports, 2020, 30, 2332-2348.e10.	6.4	67
15	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
16	F-ATPase of Drosophila melanogaster Forms 53-Picosiemens (53-pS) Channels Responsible for Mitochondrial Ca <sup>2+</sup> -induced Ca <sup>2+</sup> Release. Journal of Biological Chemistry, 2015, 290, 4537-4544.	3.4	64
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	SLP-2 interacts with Parkin in mitochondria and prevents mitochondrial dysfunction in Parkin-deficient human iPSC-derived neurons and Drosophila. Human Molecular Genetics, 2017, 26, 2412-2425.	2.9	48

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19	The Oligomycin-Sensitivity Conferring Protein of Mitochondrial ATP Synthase: Emerging New Roles in Mitochondrial Pathophysiology. <i>International Journal of Molecular Sciences</i> , 2014, 15, 7513-7536.	4.1	44
20	Dopamine Oxidation Products as Mitochondrial Endotoxins, a Potential Molecular Mechanism for Preferential Neurodegeneration in Parkinson's Disease. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2849-2858.	3.5	42
21	Cytotoxicity of a mitochondriotropic quercetin derivative: Mechanisms. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1095-1106.	1.0	34
22	OSCP subunit of mitochondrial ATP synthase: role in regulation of enzyme function and of its transition to a pore. <i>British Journal of Pharmacology</i> , 2019, 176, 4247-4257.	5.4	32
23	The idebenone metabolite QS10 restores electron transfer in complex I and coenzyme Q defects. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 901-908.	1.0	31
24	The role of mitochondrial ATP synthase in cancer. <i>Biological Chemistry</i> , 2020, 401, 1199-1214.	2.5	29
25	Forty years later: Mitochondria as therapeutic targets in muscle diseases. <i>Pharmacological Research</i> , 2016, 113, 563-573.	7.1	28
26	The ectopic FOF1 ATP synthase of rat liver is modulated in acute cholestasis by the inhibitor protein IF1. <i>Journal of Bioenergetics and Biomembranes</i> , 2010, 42, 117-123.	2.3	27
27	The ATP Synthase Deficiency in Human Diseases. <i>Life</i> , 2021, 11, 325.	2.4	27
28	ALDH2 Activity Reduces Mitochondrial Oxygen Reserve Capacity in Endothelial Cells and Induces Senescence Properties. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-13.	4.0	23
29	Functional and stoichiometric analysis of subunit e in bovine heart mitochondrial FOF1ATP synthase. <i>Journal of Bioenergetics and Biomembranes</i> , 2008, 40, 257-67.	2.3	22
30	The f subunit of human ATP synthase is essential for normal mitochondrial morphology and permeability transition. <i>Cell Reports</i> , 2021, 35, 109111.	6.4	22
31	Properties of the Permeability Transition of Pea Stem Mitochondria. <i>Frontiers in Physiology</i> , 2018, 9, 1626.	2.8	16
32	Calcium Signaling and Mitochondrial Function in Presenilin 2 Knock-Out Mice: Looking for Any Loss-of-Function Phenotype Related to Alzheimer's Disease. <i>Cells</i> , 2021, 10, 204.	4.1	10
33	Purification of Functional F-ATP Synthase from Blue Native PAGE. <i>Methods in Molecular Biology</i> , 2019, 1925, 233-243.	0.9	7
34	Mitochondria at the Crossroads of Survival and Demise. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-2.	4.0	5
35	The Ca <sup>2+</sup> regulatory site of the permeability transition pore is within the catalytic core of F-ATP synthase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e65-e66.	1.0	1
36	Mitochondrial function and idebenone: A good therapy for Leber's hereditary optic neuropathy?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 80.	1.0	0

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37	Channel formation by yeast F-ATP synthase and the role of dimerization in the mitochondrial permeability transition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e12.	1.0	0
38	Modulation of F-ATP synthase by pH: Role of His112 protonation of OSCP. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e12-e13.	1.0	0
39	FOF1-ATP Synthase Dimers and The Mitochondrial Permeability Transition Pore from Yeast to Mammals. <i>Biophysical Journal</i> , 2014, 106, 3a.	0.5	0
40	Pore formation by yeast mitochondrial ATP synthase involves subunits e, g and b. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, e16-e17.	1.0	0
41	Effect of anions on Cyclophilin D binding to F-ATP synthase: Implications for the permeability transition pore. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, e111-e112.	1.0	0
42	Role of F-ATP synthase f subunit in dimer formation and PTP modulation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, e110.	1.0	0