Salvatore Nesci

List of Publications by Year
in descending order

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70	1,033	411340	591227
papers	citations	20	27
		h-index	g-index

77	77	77	928
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impaired Mitochondrial Bioenergetics under Pathological Conditions. Life, 2022, 12, 205.	1.1	1
2	From the Structural and (Dys)Function of ATP Synthase to Deficiency in Age-Related Diseases. Life, 2022, 12, 401.	1.1	11
3	What happens when the mitochondrial H+-translocating F1FO-ATP(hydrol)ase becomes a molecular target of calcium? The pore opens. Biochimie, 2022, 198, 92-95.	1.3	7
4	Use of specific mitochondrial complex inhibitors to investigate mitochondrial involvement on horse sperm motility and ROS production. Research in Veterinary Science, 2022, 147, 12-19.	0.9	4
5	Mitochondria Bioenergetic Functions and Cell Metabolism Are Modulated by the Bergamot Polyphenolic Fraction. Cells, 2022, 11, 1401.	1.8	9
6	Protein folding and unfolding: proline cisâ€trans isomerization at the c subunits of <scp>F₁F_Oâ€ATPase</scp> might open a high conductance ion channel. Proteins: Structure, Function and Bioinformatics, 2022, 90, 2001-2005.	1.5	5
7	Cellular metabolism therapy. Journal of Translational Medicine, 2022, 20, .	1.8	1
8	Mitochondrial F1FO-ATPase and permeability transition pore response to sulfide in the midgut gland of Mytilus galloprovincialis. Biochimie, 2021, 180, 222-228.	1.3	4
9	1,5â€Disubstitutedâ€1,2,3â€triazoles as inhibitors of the mitochondrial Ca²⁺â€activated F₁F_Oâ€ATP(hydrol)ase and the permeability transition pore. Annals of the New York Academy of Sciences, 2021, 1485, 43-55.	1.8	18
10	Ca²⁺ as cofactor of the mitochondrial H⁺â€translocating <scp>F₁F_Oâ€ATP</scp>(hydrol)ase. Proteins: Structure, Function and Bioinformatics, 2021, 89, 477-482.	1.5	7
11	Incoming news on the F-type ATPase structure and functions in mammalian mitochondria. BBA Advances, 2021, 1, 100001.	0.7	11
12	Biological characteristics and metabolic profile of canine mesenchymal stem cells isolated from adipose tissue and umbilical cord matrix. PLoS ONE, 2021, 16, e0247567.	1.1	7
13	Molecular and Supramolecular Structure of the Mitochondrial Oxidative Phosphorylation System: Implications for Pathology. Life, 2021, 11, 242.	1.1	32
14	Relationship between serum concentration, functional parameters and cell bioenergetics in IPEC-J2 cell line. Histochemistry and Cell Biology, 2021, 156, 59-67.	0.8	14
15	Sulfide affects the mitochondrial respiration, the Ca2+-activated F1FO-ATPase activity and the permeability transition pore but does not change the Mg2+-activated F1FO-ATPase activity in swine heart mitochondria. Pharmacological Research, 2021, 166, 105495.	3.1	15
16	Vitamin K Vitamers Differently Affect Energy Metabolism in IPEC-J2 Cells. Frontiers in Molecular Biosciences, 2021, 8, 682191.	1.6	5
17	SARSâ€CoVâ€2 first contact: Spikeâ€“ACE2 interactions in COVIDâ€19. Chemical Biology and Drug Design, 2021, 98, 207-211.	1.5	6
18	The mitochondrial energy conversion involves cytochrome c diffusion into the respiratory supercomplexes. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148394.	0.5	15

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19	The ATP synthase glycine zipper of the c subunits: From the structural to the functional role in mitochondrial biology of cardiovascular diseases. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119075.	1.9	2
20	The inhibition of gadolinium ion (Gd3+) on the mitochondrial F1FO-ATPase is linked to the modulation of the mitochondrial permeability transition pore. International Journal of Biological Macromolecules, 2021, 184, 250-258.	3.6	5
21	The mitochondrial F1FO-ATPase exploits the dithiol redox state to modulate the permeability transition pore. Archives of Biochemistry and Biophysics, 2021, 712, 109027.	1.4	7
22	Enjoy your journey: the bergamot polyphenols from the tree to the cell metabolism. Journal of Translational Medicine, 2021, 19, 457.	1.8	4
23	The mitochondrial permeability transition pore in cell death: A promising drug binding bioarchitecture. Medicinal Research Reviews, 2020, 40, 811-817.	5.0	34
24	Sperm function and mitochondrial activity: An insight on boar sperm metabolism. Theriogenology, 2020, 144, 82-88.	0.9	40
25	Phenylglyoxal inhibition of the mitochondrial F1FO-ATPase activated by Mg2+ or by Ca2+ provides clues on the mitochondrial permeability transition pore. Archives of Biochemistry and Biophysics, 2020, 681, 108258.	1.4	16
26	Nicotinamide Nucleotide Transhydrogenase as a Sensor of Mitochondrial Biology. Trends in Cell Biology, 2020, 30, 1-3.	3.6	20
27	Effects of Hydrogen Sulfide Donor NaHS on Porcine Vascular Wall-Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2020, 21, 5267.	1.8	2
28	Mitochondrial F-type ATP synthase: multiple enzyme functions revealed by the membrane-embedded F_O structure. Critical Reviews in Biochemistry and Molecular Biology, 2020, 55, 309-321.	2.3	23
29	Emerging Roles for the Mitochondrial ATP Synthase Supercomplexes. Trends in Biochemical Sciences, 2019, 44, 821-823.	3.7	14
30	A Therapeutic Role for the F1FO-ATP Synthase. SLAS Discovery, 2019, 24, 893-903.	1.4	30
31	Mitochondrial Ca²⁺â€activated F₁F_Oâ€ATPase hydrolyzes ATP and promotes the permeability transition pore. Annals of the New York Academy of Sciences, 2019, 1457, 142-157.	1.8	23
32	Characterization of metabolic profiles and lipopolysaccharide effects on porcine vascular wall mesenchymal stem cells. Journal of Cellular Physiology, 2019, 234, 16685-16691.	2.0	5
33	Crucial aminoacids in the FO sector of the F1FO-ATP synthase address H+ across the inner mitochondrial membrane: molecular implications in mitochondrial dysfunctions. Amino Acids, 2019, 51, 579-587.	1.2	4
34	Season and Cooking May Alter Fatty Acids Profile of Polar Lipids from Blueâ€Back Fish. Lipids, 2019, 54, 741-753.	0.7	1
35	Lipid-protein interactions in mitochondrial membranes from bivalve mollusks: molecular strategies in different species. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 227, 12-20.	0.7	7
36	New insight in a new entity: the mitochondrial permeability transition pore arises from the Ca2+-activated F1FO-ATPases. Science Bulletin, 2018, 63, 143-145.	4.3	4

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37	A Lethal Channel between the ATP Synthase Monomers. Trends in Biochemical Sciences, 2018, 43, 311-313.	3.7	14
38	The inhibition of the mitochondrial F1FO-ATPase activity when activated by Ca2+ opens new regulatory roles for NAD+. Biological Chemistry, 2018, 399, 197-202.	1.2	2
39	From the Ca 2+ -activated F 1 F O -ATPase to the mitochondrial permeability transition pore: an overview. Biochimie, 2018, 152, 85-93.	1.3	25
40	Glucose and glutamine in the mitochondrial oxidative metabolism of stem cells. Mitochondrion, 2017, 35, 11-12.	1.6	9
41	A preliminary study on a novel sea water disinfection process by a peroxy-acid compound to complement and improve the microbial depuration of clams (Ruditapes philippinarum). Food Control, 2017, 80, 226-235.	2.8	6
42	Mitochondrial permeability transition, F₁<scp>F_O</scp>â€<scp>ATP</scp>ase and calcium: an enigmatic triangle. EMBO Reports, 2017, 18, 1265-1267.	2.0	16
43	Post-translational modifications of the mitochondrial F 1 F O -ATPase. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2902-2912.	1.1	18
44	Kinetic properties of the mitochondrial F 1 F O -ATPase activity elicited by Ca 2+ in replacement of Mg 2+. Biochimie, 2017, 140, 73-81.	1.3	27
45	Mercury and protein thiols: Stimulation of mitochondrial F1FO-ATPase and inhibition of respiration. Chemico-Biological Interactions, 2016, 260, 42-49.	1.7	31
46	The c-Ring of the F1FO-ATP Synthase: Facts and Perspectives. Journal of Membrane Biology, 2016, 249, 11-21.	1.0	28
47	Long-chain PUFA enrichment in microalgae and metabolic dynamics inTapes philippinarumlarvae. Aquaculture Nutrition, 2016, 22, 643-651.	1.1	2
48	Preferential nitrite inhibition of the mitochondrial F1FO-ATPase activities when activated by Ca2+ in replacement of the natural cofactor Mg2+. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 345-353.	1.1	17
49	Thiol-Related Regulation of the Mitochondrial F1FO-ATPase Activity. , 2016, , 441-458.		1
50	Lipid unsaturation per se does not explain the physical state of mitochondrial membranes in Mytilus galloprovincialis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 191, 66-75.	0.7	1
51	Novel Drugs Targeting the c-Ring of the F₁F_O-ATP Synthase. Mini-Reviews in Medicinal Chemistry, 2016, 16, 815-824.	1.1	21
52	Opposite Rotation Directions in the Synthesis and Hydrolysis of ATP by the ATP Synthase: Hints from a Subunit Asymmetry. Journal of Membrane Biology, 2015, 248, 163-169.	1.0	27
53	The a subunit asymmetry dictates the two opposite rotation directions in the synthesis and hydrolysis of ATP by the mitochondrial ATP synthase. Medical Hypotheses, 2015, 84, 53-57.	0.8	5
54	Thiol oxidation is crucial in the desensitization of the mitochondrial F1FO-ATPase to oligomycin and other macrolide antibiotics. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1882-1891.	1.1	19

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55	The mitochondrial F1FO-ATPase desensitization to oligomycin by tributyltin is due to thiol oxidation. Biochimie, 2014, 97, 128-137.	1.3	25
56	Thiol oxidation of mitochondrial FO-c subunits: A way to switch off antimicrobial drug targets of the mitochondrial ATP synthase. Medical Hypotheses, 2014, 83, 160-165.	0.8	19
57	Mussel and mammalian ATP synthase share the same bioenergetic cost of ATP. Journal of Bioenergetics and Biomembranes, 2013, 45, 289-300.	1.0	20
58	Toxicity of organotin compounds: Shared and unshared biochemical targets and mechanisms in animal cells. Toxicology in Vitro, 2013, 27, 978-990.	1.1	54
59	Modifiers of the oligomycin sensitivity of the mitochondrial F1F0-ATPase. Mitochondrion, 2013, 13, 312-319.	1.6	23
60	Dietary Enhancement of Selected Fatty Acid Biosynthesis in the Digestive Gland of Mytilus galloprovincialis Lmk.. Journal of Agricultural and Food Chemistry, 2013, 61, 973-981.	2.4	16
61	Modulation of the F₁F_Oâ€ATPase function by butyltin compounds. Applied Organometallic Chemistry, 2013, 27, 199-205.	1.7	9
62	Tributyltin-driven enhancement of the DCCD insensitive Mg-ATPase activity in mussel digestive gland mitochondria. Biochimie, 2012, 94, 727-733.	1.3	13
63	Triâ€nâ€butyltin binding to a lowâ€affinity site decreases the F₁F_Oâ€ATPase sensitivity to oligomycin in mussel mitochondria. Applied Organometallic Chemistry, 2012, 26, 593-599.	1.7	18
64	Structural and functional changes in gill mitochondrial membranes from the Mediterranean mussel Mytilus galloprovincialis exposed to triâ€nâ€butyltin. Environmental Toxicology and Chemistry, 2012, 31, 877-884.	2.2	17
65	Organotin Effects in Different Phyla: Discrepancies and Similarities. , 2012, , 174-196.		2
66	Multi-site TBT binding skews the inhibition of oligomycin on the mitochondrial Mgâ€“ATPase in Mytilus galloprovincialis. Biochimie, 2011, 93, 1157-1164.	1.3	22
67	Tributyltin (TBT) and dibutyltin (DBT) differently inhibit the mitochondrial Mg-ATPase activity in mussel digestive gland. Toxicology in Vitro, 2011, 25, 117-124.	1.1	33
68	Tributyltin (TBT) and mitochondrial respiration in mussel digestive gland. Toxicology in Vitro, 2011, 25, 951-959.	1.1	27
69	Tributyltin inhibits the oligomycin-sensitive Mg-ATPase activity in Mytilus galloprovincialis digestive gland mitochondria. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 153, 75-81.	1.3	18
70	Tributyltin (TBT) inhibition of oligomycin-sensitive Mg-ATPase activity in mussel mitochondria. Toxicology in Vitro, 2008, 22, 827-836.	1.1	26