

# Alessandra Pagliarani

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75  
papers

1,020  
citations

19  
h-index

25  
g-index

75  
ext. papers

1,175  
ext. citations

4.4  
avg, IF

4.55  
L-index

#	Paper	IF	Citations
75	Biological characteristics and metabolic profile of canine mesenchymal stem cells isolated from adipose tissue and umbilical cord matrix. <i>PLoS ONE</i> , <b>2021</b> , 16, e0247567	3.7	2
74	Molecular and Supramolecular Structure of the Mitochondrial Oxidative Phosphorylation System: Implications for Pathology. <i>Life</i> , <b>2021</b> , 11,	3	9
73	Relationship between serum concentration, functional parameters and cell bioenergetics in IPEC-J2 cell line. <i>Histochemistry and Cell Biology</i> , <b>2021</b> , 156, 59-67	2.4	1
72	Sulfide affects the mitochondrial respiration, the Ca-activated FF-ATPase activity and the permeability transition pore but does not change the Mg-activated FF-ATPase activity in swine heart mitochondria. <i>Pharmacological Research</i> , <b>2021</b> , 166, 105495	10.2	6
71	Vitamin K Vitamers Differently Affect Energy Metabolism in IPEC-J2 Cells. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 682191	5.6	3
70	Mitochondrial FF-ATPase and permeability transition pore response to sulfide in the midgut gland of <i>Mytilus galloprovincialis</i> . <i>Biochimie</i> , <b>2021</b> , 180, 222-228	4.6	2
69	1,5-Disubstituted-1,2,3-triazoles as inhibitors of the mitochondrial Ca -activated F F -ATP(hydrol)ase and the permeability transition pore. <i>Annals of the New York Academy of Sciences</i> , <b>2021</b> , 1485, 43-55	6.5	11
68	Ca as cofactor of the mitochondrial H -translocating F F -ATP(hydrol)ase. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2021</b> , 89, 477-482	4.2	3
67	Incoming news on the F-type ATPase structure and functions in mammalian mitochondria. <i>BBA Advances</i> , <b>2021</b> , 1, 100001		7
66	The inhibition of gadolinium ion (Gd) on the mitochondrial FF-ATPase is linked to the modulation of the mitochondrial permeability transition pore. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 184, 250-258	7.9	2
65	The mitochondrial FF-ATPase exploits the dithiol redox state to modulate the permeability transition pore. <i>Archives of Biochemistry and Biophysics</i> , <b>2021</b> , 712, 109027	4.1	1
64	Mitochondrial F-type ATP synthase: multiple enzyme functions revealed by the membrane-embedded F structure. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2020</b> , 55, 309-321	8.7	13
63	Sperm function and mitochondrial activity: An insight on boar sperm metabolism. <i>Theriogenology</i> , <b>2020</b> , 144, 82-88	2.8	15
62	Phenylglyoxal inhibition of the mitochondrial FF-ATPase activated by Mg or by Ca provides clues on the mitochondrial permeability transition pore. <i>Archives of Biochemistry and Biophysics</i> , <b>2020</b> , 681, 108258	4.1	11
61	Nicotinamide Nucleotide Transhydrogenase as a Sensor of Mitochondrial Biology. <i>Trends in Cell Biology</i> , <b>2020</b> , 30, 1-3	18.3	7
60	Effects of Hydrogen Sulfide Donor NaHS on Porcine Vascular Wall-Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
59	Mitochondrial Ca -activated F F -ATPase hydrolyzes ATP and promotes the permeability transition pore. <i>Annals of the New York Academy of Sciences</i> , <b>2019</b> , 1457, 142-157	6.5	18

58	Characterization of metabolic profiles and lipopolysaccharide effects on porcine vascular wall mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 16685-16691	7	5
57	Crucial aminoacids in the F sector of the FF-ATP synthase address H across the inner mitochondrial membrane: molecular implications in mitochondrial dysfunctions. <i>Amino Acids</i> , <b>2019</b> , 51, 579-587	3.5	4
56	Emerging Roles for the Mitochondrial ATP Synthase Supercomplexes. <i>Trends in Biochemical Sciences</i> , <b>2019</b> , 44, 821-823	10.3	10
55	A Therapeutic Role for the FF-ATP Synthase. <i>SLAS Discovery</i> , <b>2019</b> , 24, 893-903	3.4	18
54	Lipid-protein interactions in mitochondrial membranes from bivalve mollusks: molecular strategies in different species. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2019</b> , 227, 12-20	2.3	4
53	The inhibition of the mitochondrial F1FO-ATPase activity when activated by Ca <sup>2+</sup> opens new regulatory roles for NAD. <i>Biological Chemistry</i> , <b>2018</b> , 399, 197-202	4.5	2
52	From the Ca-activated FF-ATPase to the mitochondrial permeability transition pore: an overview. <i>Biochimie</i> , <b>2018</b> , 152, 85-93	4.6	16
51	Post-translational modifications of the mitochondrial FF-ATPase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 2902-2912	4	13
50	Kinetic properties of the mitochondrial FF-ATPase activity elicited by Ca in replacement of Mg. <i>Biochimie</i> , <b>2017</b> , 140, 73-81	4.6	22
49	Mercury and protein thiols: Stimulation of mitochondrial FF-ATPase and inhibition of respiration. <i>Chemico-Biological Interactions</i> , <b>2016</b> , 260, 42-49	5	22
48	The c-Ring of the F1FO-ATP Synthase: Facts and Perspectives. <i>Journal of Membrane Biology</i> , <b>2016</b> , 249, 11-21	2.3	22
47	Preferential nitrite inhibition of the mitochondrial F1FO-ATPase activities when activated by Ca(2+) in replacement of the natural cofactor Mg(2+). <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2016</b> , 1860, 345-53	4	15
46	Thiol-Related Regulation of the Mitochondrial F1FO-ATPase Activity <b>2016</b> , 441-458		1
45	Lipid unsaturation per se does not explain the physical state of mitochondrial membranes in <i>Mytilus galloprovincialis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2016</b> , 191, 66-75	2.3	1
44	Novel Drugs Targeting the c-Ring of the F1FO-ATP Synthase. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2016</b> , 16, 815-24	3.2	18
43	Opposite rotation directions in the synthesis and hydrolysis of ATP by the ATP synthase: hints from a subunit asymmetry. <i>Journal of Membrane Biology</i> , <b>2015</b> , 248, 163-9	2.3	23
42	The a subunit asymmetry dictates the two opposite rotation directions in the synthesis and hydrolysis of ATP by the mitochondrial ATP synthase. <i>Medical Hypotheses</i> , <b>2015</b> , 84, 53-7	3.8	4
41	Thiol oxidation is crucial in the desensitization of the mitochondrial F1FO-ATPase to oligomycin and other macrolide antibiotics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2014</b> , 1840, 1882-91	4	16

40	The mitochondrial F1FO-ATPase desensitization to oligomycin by tributyltin is due to thiol oxidation. <i>Biochimie</i> , <b>2014</b> , 97, 128-37	4.6	18
39	Thiol oxidation of mitochondrial F0-c subunits: a way to switch off antimicrobial drug targets of the mitochondrial ATP synthase. <i>Medical Hypotheses</i> , <b>2014</b> , 83, 160-5	3.8	19
38	Mussel and mammalian ATP synthase share the same bioenergetic cost of ATP. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2013</b> , 45, 289-300	3.7	19
37	Toxicity of organotin compounds: shared and unshared biochemical targets and mechanisms in animal cells. <i>Toxicology in Vitro</i> , <b>2013</b> , 27, 978-90	3.6	42
36	Modifiers of the oligomycin sensitivity of the mitochondrial F1FO-ATPase. <i>Mitochondrion</i> , <b>2013</b> , 13, 312-9	4.9	20
35	Dietary enhancement of selected fatty acid biosynthesis in the digestive gland of <i>Mytilus galloprovincialis</i> Lmk. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 973-81	5.7	14
34	Modulation of the F1FO-ATPase function by butyltin compounds. <i>Applied Organometallic Chemistry</i> , <b>2013</b> , 27, 199-205	3.1	9
33	Tributyltin-driven enhancement of the DCCD insensitive Mg-ATPase activity in mussel digestive gland mitochondria. <i>Biochimie</i> , <b>2012</b> , 94, 727-33	4.6	11
32	Tri-n-butyltin binding to a low-affinity site decreases the F1FO-ATPase sensitivity to oligomycin in mussel mitochondria. <i>Applied Organometallic Chemistry</i> , <b>2012</b> , 26, 593-599	3.1	17
31	Structural and functional changes in gill mitochondrial membranes from the Mediterranean mussel <i>Mytilus galloprovincialis</i> exposed to tri-n-butyltin. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 877-84	3.8	17
30	Organotin Effects in Different Phyla: Discrepancies and Similarities <b>2012</b> , 174-196		2
29	Multi-site TBT binding skews the inhibition of oligomycin on the mitochondrial Mg-ATPase in <i>Mytilus galloprovincialis</i> . <i>Biochimie</i> , <b>2011</b> , 93, 1157-64	4.6	19
28	Tributyltin (TBT) and dibutyltin (DBT) differently inhibit the mitochondrial Mg-ATPase activity in mussel digestive gland. <i>Toxicology in Vitro</i> , <b>2011</b> , 25, 117-24	3.6	29
27	Tributyltin (TBT) and mitochondrial respiration in mussel digestive gland. <i>Toxicology in Vitro</i> , <b>2011</b> , 25, 951-9	3.6	24
26	Tributyltin inhibits the oligomycin-sensitive Mg-ATPase activity in <i>Mytilus galloprovincialis</i> digestive gland mitochondria. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2011</b> , 153, 75-81	3.2	12
25	Lipid and DNA features of <i>Gonyaulax fragilis</i> (Dinophyceae) as potential biomarkers in mucilage genesis. <i>Harmful Algae</i> , <b>2010</b> , 9, 359-366	5.3	6
24	Phosphorylated intermediate of the ouabain-insensitive, Na(+)-stimulated ATPase in rat kidney cortex and rainbow trout gills. <i>Biochimie</i> , <b>2010</b> , 92, 128-35	4.6	5
23	Blue-back fish: Fatty acid profile in selected seasons and retention upon baking. <i>Food Chemistry</i> , <b>2010</b> , 123, 306-314	8.5	19

22	Tributyltin (TBT) inhibition of oligomycin-sensitive Mg-ATPase activity in mussel mitochondria. <i>Toxicology in Vitro</i> , <b>2008</b> , 22, 827-36	3.6	23
21	Effect of temporal and geographical factors on fatty acid composition of <i>M. galloprovincialis</i> from the Adriatic sea. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2008</b> , 149, 241-50	2.3	48
20	Response of Na(+)-dependent ATPase activities to the contaminant ammonia nitrogen in <i>Tapes philippinarum</i> : possible atpase involvement in ammonium transport. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2008</b> , 55, 49-56	3.2	13
19	Changes in fatty acid composition of <i>Mytilus galloprovincialis</i> (Lmk) fed on microalgal and wheat germ diets. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2007</b> , 147, 616-26	2.3	73
18	Response to alkyltins of two Na <sup>+</sup> -dependent ATPase activities in <i>Tapes philippinarum</i> and <i>Mytilus galloprovincialis</i> . <i>Toxicology in Vitro</i> , <b>2006</b> , 20, 1145-53	3.6	20
17	Chemical and biochemical parameters of cultured diatoms and bacteria from the Adriatic Sea as possible biomarkers of mucilage production. <i>Science of the Total Environment</i> , <b>2005</b> , 353, 287-99	10.2	32
16	Response to T3 treatment and changing environmental salinity of liver lipid composition, mitochondrial respiration and (Na <sup>++</sup> ++ K <sup>++</sup> )-ATPase activity in rainbow trout <i>Oncorhynchus mykiss</i> Walbaum. <i>Aquaculture Research</i> , <b>2002</b> , 33, 891-905	1.9	5
15	Response of rainbow trout gill Na <sup>+</sup> -ATPase to T(3) and NaCl administration. <i>Physiological and Biochemical Zoology</i> , <b>2001</b> , 74, 694-702	2	9
14	Mussel microsomal Na <sup>+</sup> -Mg <sup>2+</sup> -ATPase sensitivity to waterborne mercury, zinc and ammonia. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , <b>1996</b> , 113, 185-191		8
13	Response of rainbow trout gill (Na <sup>(+)</sup> +K <sup>(+)</sup> )-ATPase and chloride cells to T 3 and NaCl administration. <i>Fish Physiology and Biochemistry</i> , <b>1996</b> , 15, 265-74	2.7	12
12	Lipid composition and microsomal ATPase activities in gills and kidneys of warm- and cold-acclimated sea bass ( <i>Dicentrarchus labrax</i> L.). <i>Fish Physiology and Biochemistry</i> , <b>1993</b> , 12, 293-304	2.7	15
11	Gill (Na <sup>+</sup> +K <sup>+</sup> )-ATPase involvement and regulation during salmonid adaptation to salt water. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , <b>1992</b> , 102, 637-43		23
10	Lipid composition and mitochondrial respiration in warm- and cold-adapted sea bass. <i>Lipids</i> , <b>1992</b> , 27, 371-7	1.6	30
9	Salinity dependence of the ouabain-insensitive Mg <sup>2+</sup> -dependent Na <sup>+</sup> -ATPase in gills of rainbow trout ( <i>Oncorhynchus mykiss</i> Walbaum) adapted to fresh and brackish water. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1992</b> , 101, 1-7		4
8	Salinity-dependence of the properties of gill (Na <sup>++</sup> +K <sup>+</sup> -ATPase in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1991</b> , 100, 229-236		16
7	Gill (Na <sup>+</sup> + K <sup>+</sup> )- and Na <sup>+</sup> -stimulated Mg <sup>2+</sup> -dependent ATPase activities in the gilthead bream ( <i>Sparus auratus</i> L.). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1990</b> , 95, 95-105		6
6	Mg <sup>2+</sup> -dependent (Na <sup>+</sup> + K <sup>+</sup> )- and Na <sup>+</sup> -ATPases in the kidneys of the gilthead bream ( <i>Sparus auratus</i> L.). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1990</b> , 97, 343-354		2
5	(Na <sup>+</sup> + K <sup>+</sup> )- and Na <sup>+</sup> -stimulated Mg <sup>2+</sup> -dependent ATPase activities in kidney of sea bass ( <i>Dicentrarchus labrax</i> L.). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1988</b> , 90, 41-52		6

4	Na <sup>+</sup> -like effect of monovalent cations in the stimulation of sea bass gill Mg <sup>2+</sup> -dependent Na <sup>+</sup> -stimulated ATPase. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1987</b> , 88, 691-5	1
3	Effect of diets containing different oils on brain fatty acid composition in sea bass ( <i>Dicentrarchus labrax</i> L.). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1986</b> , 83, 277-82	13
2	Characterization of gill (Na <sup>+</sup> + K <sup>+</sup> )-ATPase in the sea bass ( <i>Dicentrarchus labrax</i> L.). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1985</b> , 80, 23-33	4
1	Ouabain-insensitive Na <sup>+</sup> stimulation of a microsomal Mg <sup>2+</sup> -ATPase in gills of sea bass ( <i>Dicentrarchus labrax</i> L.). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , <b>1985</b> , 81, 127-35	26