

# Maria Paola Turina

## List of Publications by Year in descending order

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47  
papers

1,557  
citations

331670

21  
h-index

302126

39  
g-index

52  
all docs

52  
docs citations

52  
times ranked

995  
citing authors

#	ARTICLE	IF	CITATIONS
1	H <sup>+</sup> /ATP ratio of proton transport-coupled ATP synthesis and hydrolysis catalysed by CF <sub>1</sub> F <sub>1</sub> -liposomes. EMBO Journal, 2003, 22, 418-426.	7.8	145
2	Coupling between catalytic sites and the proton channel in F <sub>1</sub> F <sub>0</sub> -type ATPases. Trends in Biochemical Sciences, 1994, 19, 284-289.	7.5	142
3	The thermodynamic H <sup>+</sup> /ATP ratios of the H <sup>+</sup> -ATP synthases from chloroplasts and <i>Escherichia coli</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3745-3750.	7.1	125
4	Topographical structure of membrane-bound <i>Escherichia coli</i> F <sub>1</sub> F <sub>0</sub> ATP synthase in aqueous buffer. FEBS Letters, 1996, 397, 30-34.	2.8	112
5	Limitations and challenges in protein stability prediction upon genome variations: towards future applications in precision medicine. Computational and Structural Biotechnology Journal, 2020, 18, 1968-1979.	4.1	88
6	Conformational changes of the H <sup>+</sup> -ATPase from <i>Escherichia coli</i> upon nucleotide binding detected by single molecule fluorescence. FEBS Letters, 1998, 437, 251-254.	2.8	82
7	The Activity of the ATP Synthase from <i>Escherichia coli</i> Is Regulated by the Transmembrane Proton Motive Force. Journal of Biological Chemistry, 2000, 275, 30157-30162.	3.4	76
8	ATP Synthesis Catalyzed by the ATP Synthase of <i>Escherichia coli</i> Reconstituted into Liposomes. FEBS Journal, 1994, 225, 167-172.	0.2	65
9	Comparison of the H <sup>+</sup> /ATP ratios of the H <sup>+</sup> -ATP synthases from yeast and from chloroplast. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11150-11155.	7.1	64
10	Regulation of Cytochrome c Oxidase by Interaction of ATP at Two Binding Sites, One on Subunit VIa. Biochemistry, 1994, 33, 11833-11841.	2.5	54
11	ATP hydrolysis-driven structural changes in the gamma-subunit of <i>Escherichia coli</i> ATPase monitored by fluorescence from probes bound at introduced cysteine residues.. Journal of Biological Chemistry, 1994, 269, 13465-13471.	3.4	41
12	Binding of the b-Subunit in the ATP Synthase from <i>Escherichia coli</i> . Biochemistry, 2004, 43, 1054-1064.	2.5	40
13	Activation of the H <sup>+</sup> -ATP synthase in the photosynthetic bacterium <i>Rhodobacter capsulatus</i> .. Journal of Biological Chemistry, 1992, 267, 11057-11063.	3.4	38
14	Activation of the H <sup>+</sup> -ATP synthase in the photosynthetic bacterium <i>Rhodobacter capsulatus</i> . Journal of Biological Chemistry, 1992, 267, 11057-63.	3.4	34
15	ATP hydrolysis-driven structural changes in the gamma-subunit of <i>Escherichia coli</i> ATPase monitored by fluorescence from probes bound at introduced cysteine residues. Journal of Biological Chemistry, 1994, 269, 13465-71.	3.4	34
16	Thermodynamics of proton transport coupled ATP synthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 653-664.	1.0	31
17	ATP synthesis in chromatophores driven by artificially induced ion gradients. FEBS Journal, 1991, 196, 225-229.	0.2	30
18	ATP binding causes a conformational change in the gamma subunit of the <i>Escherichia coli</i> F <sub>1</sub> ATPase which is reversed on bond cleavage. Biochemistry, 1994, 33, 14275-14280.	2.5	30

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19	Analysis and Interpretation of the Impact of Missense Variants in Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5416.	4.1	28
20	Physiological Ligands ADP and Pi Modulate the Degree of Intrinsic Coupling in the ATP Synthase of the Photosynthetic Bacterium <i>Rhodobacter capsulatus</i> . <i>Biochemistry</i> , 2004, 43, 11126-11134.	2.5	24
21	Intrinsic uncoupling in the ATP synthase of <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1518-1527.	1.0	24
22	Proton transport coupled ATP synthesis by the purified yeast H <sup>+</sup> -ATP synthase in proteoliposomes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1828-1837.	1.0	23
23	The <i>atpBEXF</i> operon coding for the F <sub>0</sub> sector of the ATP synthase from the purple nonsulfur photosynthetic bacterium <i>Rhodobacter capsulatus</i> . <i>Archives of Microbiology</i> , 1998, 170, 385-388.	2.2	21
24	The cysteine introduced into the alpha subunit of the <i>Escherichia coli</i> F <sub>1</sub> -ATPase by the mutation alpha R376C is near the alpha-beta subunit interface and close to a noncatalytic nucleotide binding site.. <i>Journal of Biological Chemistry</i> , 1993, 268, 6978-6984.	3.4	21
25	Sulfite Stimulates the ATP Hydrolysis Activity of but not Proton Translocation by the ATP Synthase of <i>Rhodobacter Capsulatus</i> and Interferes with its Activation by Delta H <sup>+</sup> . <i>FEBS Journal</i> , 1997, 248, 496-506.	0.2	20
26	The covalent binding of 1, 1,2,2-tetrachloroethane to macromolecules of rat and mouse organs. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1987, 7, 465-474.	0.8	19
27	Modulation of proton pumping efficiency in bacterial ATP synthases. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 320-325.	1.0	16
28	Dehydration affects the electronic structure of the primary electron donor in bacterial photosynthetic reaction centers: evidence from visible-NIR and light-induced difference FTIR spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 238-251.	2.9	16
29	Evaluating the predictions of the protein stability change upon single amino acid substitutions for the FXN CAG15 challenge. <i>Human Mutation</i> , 2019, 40, 1392-1399.	2.5	16
30	Quantitative evaluation of the intrinsic uncoupling modulated by ADP and Pi in the reconstituted ATP synthase of <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 130-143.	1.0	14
31	Met23Lys mutation in subunit gamma of FOF <sub>1</sub> -ATP synthase from <i>Rhodobacter capsulatus</i> impairs the activation of ATP hydrolysis by protonmotive force. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 1319-1330.	1.0	11
32	Heterogeneity of photosynthetic membranes from <i>Rhodobacter capsulatus</i> : Size dispersion and ATP synthase distribution. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 1340-1352.	1.0	11
33	Evaluation of the buffer capacity and permeability constant for protons in chromatophores from <i>Rhodobacter capsulatus</i> . <i>FEBS Journal</i> , 1990, 192, 39-47.	0.2	10
34	Binding of hexachloroethane to biological macromolecules from rat and mouse organs. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1988, 24, 403-411.	2.3	9
35	Influence of the transmembrane electrochemical proton gradient on catalysis and regulation of the H <sup>+</sup> -ATP synthase from <i>Rhodobacter capsulatus</i> . <i>Bioelectrochemistry</i> , 1994, 33, 31-43.	1.0	9
36	Modulation of coupling in the <i>Escherichia coli</i> ATP synthase by ADP and Pi : Role of the $\hat{\mu}$ subunit C-terminal domain. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 34-44.	1.0	9

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37	A point mutation in the ATP synthase of <i>Rhodobacter capsulatus</i> results in differential contributions of $\hat{p}H$ and $\hat{I}^+$ in driving the ATP synthesis reaction. <i>FEBS Journal</i> , 2002, 269, 1984-1992.	0.2	7
38	Structural changes during ATP hydrolysis activity of the ATP synthase from <i>Escherichia coli</i> as revealed by fluorescent probes. , 2000, 32, 373-381.		6
39	ThermoScan: Semi-automatic Identification of Protein Stability Data From PubMed. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 620475.	3.5	6
40	Covalent binding of 1,1,1,2-tetrachloroethane to nucleic acids as evidence of genotoxic activity. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1989, 26, 485-495.	2.3	3
41	Comparison of the Covalent Binding of Various Chloroethanes with Nucleic Acids. , 1988, , 93-102.		2
42	The Molecular Role of the PufX Protein in Bacterial Photosynthetic Electron Transfer. , 1998, , 103-116.		1
43	Quantitative estimation of the H <sup>+</sup> -storage capacity of chromatophores and comparison with acid-base induced ATP synthesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1990, 1018, 134-137.	1.0	0
44	ATP synthesis by the isolated and reconstituted monomeric mitochondrial H <sup>+</sup> -ATP synthase from yeast. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 31.	1.0	0
45	Structure of ATP synthase by SFM and single-particle image analysis. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1995, 53, 722-723.	0.0	0
46	Deletion Mutagenesis Studies on the ATP Synthase of <i>Rhodobacter Capsulatus</i> . , 1998, , 1727-1730.		0
47	Rotation of the $\hat{3}$ -subunit in single membrane-bound H <sup>+</sup> -ATP synthases from chloroplasts during ATP synthesis. <i>Advances in Botanical Research</i> , 2020, 96, 119-149.	1.1	0