Maria Paola Turina

List of Publications by Year
in descending order

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	ThermoScan: Semi-automatic Identification of Protein Stability Data From PubMed. Frontiers in Molecular Biosciences, 2021, 8, 620475.	3.5	6
2	Analysis and Interpretation of the Impact of Missense Variants in Cancer. International Journal of Molecular Sciences, 2021, 22, 5416.	4.1	28
3	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
4	Rotation of the Î³-subunit in single membrane-bound H+-ATP synthases from chloroplasts during ATP synthesis. Advances in Botanical Research, 2020, 96, 119-149.	1.1	0
5	Evaluating the predictions of the protein stability change upon single amino acid substitutions for the FXN CAGI5 challenge. Human Mutation, 2019, 40, 1392-1399.	2.5	16
6	Modulation of coupling in the Escherichia coli ATP synthase by ADP and P i : Role of the Îµ subunit C-terminal domain. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 34-44.	1.0	9
7	Thermodynamics of proton transport coupled ATP synthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 653-664.	1.0	31
8	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. Photochemical and Photobiological Sciences, 2015, 14, 238-251.	2.9	16
9	Comparison of the H ⁺ /ATP ratios of the H ⁺ -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	Quantitative evaluation of the intrinsic uncoupling modulated by ADP and Pi in the reconstituted ATP synthase of Escherichia coli. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 130-143.	1.0	14
11	ATP synthesis by the isolated and reconstituted monomeric mitochondrial H+-ATP synthase from yeast. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 31.	1.0	0
12	Proton transport coupled ATP synthesis by the purified yeast H+-ATP synthase in proteoliposomes. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1828-1837.	1.0	23
13	The thermodynamic H ⁺ /ATP ratios of the H ⁺ -ATPsynthases from chloroplasts and Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3745-3750.	7.1	125
14	Intrinsic uncoupling in the ATP synthase of Escherichia coli. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1518-1527.	1.0	24
15	Met23Lys mutation in subunit gamma of FOF1-ATP synthase from Rhodobacter capsulatus impairs the activation of ATP hydrolysis by protonmotive force. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 1319-1330.	1.0	11
16	Heterogeneity of photosynthetic membranes from Rhodobacter capsulatus: Size dispersion and ATP synthase distribution. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 1340-1352.	1.0	11
17	Modulation of proton pumping efficiency in bacterial ATP synthases. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 320-325.	1.0	16
18	Binding of the b-Subunit in the ATP Synthase from Escherichia coli. Biochemistry, 2004, 43, 1054-1064.	2.5	40

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19	Physiological Ligands ADP and PiModulate the Degree of Intrinsic Coupling in the ATP Synthase of the Photosynthetic BacteriumRhodobacter capsulatusâ€. Biochemistry, 2004, 43, 11126-11134.	2.5	24
20	H+/ATP ratio of proton transport-coupled ATP synthesis and hydrolysis catalysed by CF0F1-liposomes. EMBO Journal, 2003, 22, 418-426.	7.8	145
21	A point mutation in the ATP synthase of Rhodobacter capsulatus results in differential contributions of Î”pH and Î”Ïˆ in driving the ATP synthesis reaction. FEBS Journal, 2002, 269, 1984-1992.	0.2	7
22	Structural changes during ATP hydrolysis activity of the ATP synthase from Escherichia coli as revealed by fluorescent probes. , 2000, 32, 373-381.		6
23	The Activity of the ATP Synthase from Escherichia coli Is Regulated by the Transmembrane Proton Motive Force. Journal of Biological Chemistry, 2000, 275, 30157-30162.	3.4	76
24	The atpIBEXF operon coding for the F 0 sector of the ATP synthase from the purple nonsulfur photosynthetic bacterium Rhodobacter capsulatus. Archives of Microbiology, 1998, 170, 385-388.	2.2	21
25	Conformational changes of the H+-ATPase fromEscherichia coliupon nucleotide binding detected by single molecule fluorescence. FEBS Letters, 1998, 437, 251-254.	2.8	82
26	The Molecular Role of the PufX Protein in Bacterial Photosynthetic Electron Transfer. , 1998, , 103-116.		1
27	Deletion Mutagenesis Studies on the ATP Synthase of Rhodobacter Capsulatus. , 1998, , 1727-1730.		0
28	Sulfite Stimulates the ATP Hydrolysis Activity of but not Proton Translocation by the ATP Synthase of Rhodobacter Capsulatus and Interferes with its Activation by Delta H+. FEBS Journal, 1997, 248, 496-506.	0.2	20
29	Topographical structure of membrane-boundEscherichia coliF1F0ATP synthase in aqueous buffer. FEBS Letters, 1996, 397, 30-34.	2.8	112
30	Structure of ATP synthase by SFM and single-particle image analysis. Proceedings Annual Meeting Electron Microscopy Society of America, 1995, 53, 722-723.	0.0	0
31	Influence of the transmembrane electrochemical proton gradient on catalysis and regulation of the H+-ATP synthase from Rhodobacter capsulatus. Bioelectrochemistry, 1994, 33, 31-43.	1.0	9
32	Coupling between catalytic sites and the proton channel in F1F0-type ATPases. Trends in Biochemical Sciences, 1994, 19, 284-289.	7.5	142
33	ATP Synthesis Catalyzed by the ATP Synthase of Escherichia coli Reconstituted into Liposomes. FEBS Journal, 1994, 225, 167-172.	0.2	65
34	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
35	ATP binding causes a conformational change in the .gamma. subunit of the Escherichia coli F1ATPase which is reversed on bond cleavage. Biochemistry, 1994, 33, 14275-14280.	2.5	30
36	ATP hydrolysis-driven structural changes in the gamma-subunit of Escherichia coli ATPase monitored by fluorescence from probes bound at introduced cysteine residues.. Journal of Biological Chemistry, 1994, 269, 13465-13471.	3.4	41

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37	ATP hydrolysis-driven structural changes in the gamma-subunit of Escherichia coli ATPase monitored by fluorescence from probes bound at introduced cysteine residues. Journal of Biological Chemistry, 1994, 269, 13465-71.	3.4	34
38	The cysteine introduced into the alpha subunit of the Escherichia coli F1-ATPase by the mutation alpha R376C is near the alpha-beta subunit interface and close to a noncatalytic nucleotide binding site.. Journal of Biological Chemistry, 1993, 268, 6978-6984.	3.4	21
39	Activation of the H(+)-ATP synthase in the photosynthetic bacterium Rhodobacter capsulatus.. Journal of Biological Chemistry, 1992, 267, 11057-11063.	3.4	38
40	Activation of the H(+)-ATP synthase in the photosynthetic bacterium Rhodobacter capsulatus. Journal of Biological Chemistry, 1992, 267, 11057-63.	3.4	34
41	ATP synthesis in chromatophores driven by artificially induced ion gradients. FEBS Journal, 1991, 196, 225-229.	0.2	30
42	Evaluation of the buffer capacity and permeability constant for protons in chromatophores from Rhodobacter capsulatus. FEBS Journal, 1990, 192, 39-47.	0.2	10
43	Quantitative estimation of the H+-storage capacity of chromatophores and comparison with acid-base induced ATP synthesis. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1018, 134-137.	1.0	0
44	Covalent binding of 1,1,1,2â€tetrachloroethane to nucleic acids as evidence of genotoxic activity. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1989, 26, 485-495.	2.3	3
45	Binding of hexachloroethane to biological macromolecules from rat and mouse organs. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1988, 24, 403-411.	2.3	9
46	Comparison of the Covalent Binding of Various Chloroethanes with Nucleic Acids. , 1988, , 93-102.		2
47	The covalent binding of 1, 1,2,2-tetrachloroethane to macromolecules of rat and mouse organs. Teratogenesis, Carcinogenesis, and Mutagenesis, 1987, 7, 465-474.	0.8	19