

# Boris A Feniouk

## List of Publications by Year in descending order

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27  
papers

919  
citations

567281

15  
h-index

552781

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Dielectric Permittivity of Water at the Membrane Interface: Effect on the Energy Coupling Mechanism in Biological Membranes. <i>Biophysical Journal</i> , 2003, 85, 1307-1316.	0.5	138
2	The Proton-Driven Rotor of ATP Synthase: Ohmic Conductance (10 fS), and Absence of Voltage Gating. <i>Biophysical Journal</i> , 2004, 86, 4094-4109.	0.5	115
3	The role of subunit epsilon in the catalysis and regulation of FOF1-ATP synthase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 326-338.	1.0	90
4	Regulatory Interplay between Proton Motive Force, ADP, Phosphate, and Subunit $\epsilon$ in Bacterial ATP Synthase. <i>Journal of Biological Chemistry</i> , 2007, 282, 764-772.	3.4	85
5	The product of uncl gene in F1Fo-ATP synthase operon plays a chaperone-like role to assist c-ring assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20776-20781.	7.1	70
6	Chromatophore Vesicles of <i>Rhodobacter capsulatus</i> Contain on Average One FOF1-ATP Synthase Each. <i>Biophysical Journal</i> , 2002, 82, 1115-1122.	0.5	50
7	Regulatory Mechanisms of Proton-Translocating FOF1-ATP Synthase. , 2008, 45, 279-308.		45
8	The cytochromebc1complex of <i>Rhodobacter capsulatus</i> : ubiquinol oxidation in a dimeric Q-cycle?. <i>FEBS Letters</i> , 1998, 431, 291-296.	2.8	34
9	Proton slip in the ATP synthase of <i>Rhodobacter capsulatus</i> : induction, proton conduction, and nucleotide dependence. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1706, 184-194.	1.0	32
10	Regulation of the FOF1-ATP synthase: The conformation of subunit $\epsilon$ might be determined by directionality of subunit $\epsilon$ rotation. <i>FEBS Letters</i> , 2005, 579, 5114-5118.	2.8	31
11	Activation and Stiffness of the Inhibited States of F1-ATPase Probed by Single-molecule Manipulation. <i>Journal of Biological Chemistry</i> , 2010, 285, 11411-11417.	3.4	30
12	Replicative aging as a source of cell heterogeneity in budding yeast. <i>Mechanisms of Ageing and Development</i> , 2018, 176, 24-31.	4.6	29
13	Conformational Transitions of Subunit $\epsilon$ in ATP Synthase from Thermophilic <i>Bacillus PS3</i> . <i>Biophysical Journal</i> , 2010, 98, 434-442.	0.5	28
14	ATP-synthase of <i>Rhodobacter capsulatus</i> : coupling of proton flow through F0 to reactions in F1 under the ATP synthesis and slip conditions. <i>FEBS Letters</i> , 1999, 445, 409-414.	2.8	25
15	ADP-Inhibition of H <sup>+</sup> -FOF1-ATP Synthase. <i>Biochemistry (Moscow)</i> , 2018, 83, 1141-1160.	1.5	24
16	Coupling of proton flow to ATP synthesis in <i>Rhodobacter capsulatus</i> : FOF1-ATP synthase is absent from about half of chromatophores. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2001, 1506, 189-203.	1.0	18
17	Residue 249 in subunit beta regulates ADP inhibition and its phosphate modulation in <i>Escherichia coli</i> ATP synthase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 181-188.	1.0	12
18	Met23Lys mutation in subunit gamma of FOF1-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

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19	Rotary Ion-Translocating ATPases/ATP Synthases: Diversity, Similarities, and Differences. <i>Biochemistry (Moscow)</i> , 2020, 85, 1613-1630.	1.5	11
20	Proton Translocation and ATP Synthesis by the FoF1-ATPase of Purple Bacteria. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 475-493.	1.0	9
21	Aging in birds. <i>Biochemistry (Moscow)</i> , 2016, 81, 1558-1563.	1.5	7
22	Modulation of Nucleotide Specificity of Thermophilic FoF1-ATP Synthase by $\epsilon$ -Subunit. <i>Journal of Biological Chemistry</i> , 2011, 286, 16807-16813.	3.4	6
23	Heterogeneity of Starved Yeast Cells in IF1 Levels Suggests the Role of This Protein in vivo. <i>Frontiers in Microbiology</i> , 2022, 13, 816622.	3.5	6
24	Mutation Q259L in subunit beta in <i>Bacillus subtilis</i> ATP synthase attenuates ADP-inhibition and decreases fitness in mixed cultures. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 102-107.	2.1	5
25	Amino Acid Residues $\epsilon^{2139}$ , $\epsilon^{2189}$ , and $\epsilon^{2319}$ Modulate ADP-Inhibition in <i>Escherichia coli</i> H <sup>+</sup> -FOF1-ATP Synthase. <i>Biochemistry (Moscow)</i> , 2019, 84, 407-415.	1.5	4
26	Attenuated ADP-inhibition of FOF1 ATPase mitigates manifestations of mitochondrial dysfunction in yeast. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148544.	1.0	1
27	S1.14 Regulatory transitions of subunit epsilon in ATP synthase from thermophilic <i>Bacillus PS3</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S12.	1.0	0