

# Nikolay B Pestov

## List of Publications by Year in descending order

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papers

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567247

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1019  
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#	ARTICLE	IF	CITATIONS
1	Anti-cancer Virotherapy in Russia: Lessons from the Past, Current Challenges and Prospects for the Future. <i>Current Pharmaceutical Biotechnology</i> , 2023, 24, 266-278.	1.6	3
2	A strong developmental isotope effect in <i>Caenorhabditis elegans</i> induced by 5,5-deuterated lysine. <i>Amino Acids</i> , 2017, 49, 887-894.	2.7	3
3	Mineralocorticoids modulate the expression of the $\hat{I}^2$ -3 subunit of the Na <sup>+</sup> , K <sup>+</sup> -ATPase in the renal collecting duct. <i>Channels</i> , 2017, 11, 388-398.	2.8	0
4	Evolutionary diversification of the BetaM interactome acquired through co-option of the ATP1B4 gene in placental mammals. <i>Scientific Reports</i> , 2016, 6, 22395.	3.3	7
5	Nuclear translocation of lysyl oxidase is promoted by interaction with transcription repressor p66 $\hat{I}^2$ . <i>Cell and Tissue Research</i> , 2014, 358, 481-489.	2.9	14
6	TWO DISTINCT NUCLEAR LOCALIZATION SIGNALS IN MAMMALIAN MSL1 REGULATE ITS FUNCTION. <i>Journal of Cellular Biochemistry</i> , 2014, 115, n/a-n/a.	2.6	2
7	A link between fertility and K <sup>+</sup> homeostasis: role of the renal H,K-ATPase type 2. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1149-1158.	2.8	19
8	Postnatal regulation of X,K-ATPases in rat skin and conserved lateroapical polarization of Na,K-ATPase in vertebrate epidermis. <i>Experimental Dermatology</i> , 2013, 22, 423-425.	2.9	2
9	Structural evolution and tissue-specific expression of tetrapod-specific second isoform of secretory pathway Ca <sup>2+</sup> -ATPase. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 1298-1303.	2.1	14
10	Isolation and characterization of BetaM protein encoded by ATP1B4 – a unique member of the Na,K-ATPase $\hat{I}^2$ -subunit gene family. <i>Biochemical and Biophysical Research Communications</i> , 2011, 412, 543-548.	2.1	15
11	Control of lysyl oxidase activity through site-specific deuteration of lysine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 255-258.	2.2	14
12	Isotope effect, essential diet components, and prospects of aging retardation. <i>Russian Journal of General Chemistry</i> , 2010, 80, 1514-1522.	0.8	3
13	Diminished NADPH transhydrogenase activity and mitochondrial redox regulation in human failing myocardium. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1138-1148.	1.0	69
14	Nuclear transport of protein TTC4 depends on the cell cycle. <i>Cell and Tissue Research</i> , 2009, 336, 521-527.	2.9	15
15	Structure and function of MYST1 histone acetyltransferase in the interactome of animal cells. <i>Biochemistry (Moscow)</i> , 2008, 73, 839-852.	1.5	2
16	Evolution of Na,K-ATPase betam-subunit into a coregulator of transcription in placental mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11215-11220.	7.1	30
17	Characterization of hampin/MSL1 as a node in the nuclear interactome. <i>Biochemical and Biophysical Research Communications</i> , 2007, 355, 1051-1057.	2.1	15
18	Purification of recombinant membrane proteins tagged with calmodulin-binding domains by affinity chromatography on calmodulin-agarose: example of nicotinamide nucleotide transhydrogenase. <i>Nature Protocols</i> , 2007, 2, 198-202.	12.0	11

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19	Intracellular location of hampin isoforms. Doklady Biochemistry and Biophysics, 2006, 408, 130-132.	0.9	2
20	Loss of acidification of anterior prostate fluids in Atp12a-null mutant mice indicates that nongastric H-K-ATPase functions as proton pump in vivo. American Journal of Physiology - Cell Physiology, 2006, 291, C366-C374.	4.6	37
21	A Caenorhabditis elegans mutant lacking functional nicotinamide nucleotide transhydrogenase displays increased sensitivity to oxidative stress. Free Radical Biology and Medicine, 2005, 38, 1518-1525.	2.9	97
22	Accumulation of $\hat{\Gamma}^2m$ , a structural member of X,K-ATPase $\hat{\Gamma}^2$ -subunit family, in nuclear envelopes of perinatal myocytes. American Journal of Physiology - Cell Physiology, 2004, 286, C757-C767.	4.6	14
23	Identification of the $\hat{\Gamma}^2$ -subunit for nongastric H-K-ATPase in rat anterior prostate. American Journal of Physiology - Cell Physiology, 2004, 286, C1229-C1237.	4.6	28
24	Non-Gastric H+/K+ATPase is Present in the Microvillous Membrane of the Human Placental Syncytiotrophoblast. Placenta, 2004, 25, 505-511.	1.5	16
25	Purification of a recombinant membrane protein tagged with a calmodulin-binding domain: properties of chimeras of the Escherichia coli nicotinamide nucleotide transhydrogenase and the C-terminus of human plasma membrane Ca <sup>2+</sup> -ATPase. Protein Expression and Purification, 2004, 36, 31-39.	1.3	11
26	Expression and cellular localization of Na,K-ATPase isoforms in the rat ventral prostate. BJU International, 2003, 92, 793-802.	2.5	12
27	Nongastric H,K-ATPase: Structure and Functional Properties. Annals of the New York Academy of Sciences, 2003, 986, 183-187.	3.8	5
28	The Muscle-specific $\hat{\Gamma}^2m$ Protein Is Functionally Different from Other Members of the X,K-ATPase $\hat{\Gamma}^2$ -Subunit Family. Annals of the New York Academy of Sciences, 2003, 986, 304-305.	3.8	5
29	$\hat{\Gamma}^2m$ , a Structural Member of the X,K-ATPase $\hat{\Gamma}^2$ Subunit Family, Resides in the ER and Does Not Associate with Any Known X,K-ATPase $\hat{\Gamma}^2$ Subunit. Biochemistry, 2002, 41, 6723-6733.	2.5	14
30	Nongastric H-K-ATPase in rodent prostate: lobe-specific expression and apical localization. American Journal of Physiology - Cell Physiology, 2002, 282, C907-C916.	4.6	31
31	Human Nongastric H,K-ATPase: Current View On Structure And Functional Properties. , 2002, , 19-31.		0
32	The $\hat{\Gamma}^2m$ Protein, a Member of the X,K-ATPase $\hat{\Gamma}^2$ -Subunits Family, Is Located Intracellularly in Pig Skeletal Muscle. Archives of Biochemistry and Biophysics, 2001, 396, 80-88.	3.0	11
33	Catalytic Function of Nongastric H,K-ATPase Expressed in Sf-21 Insect Cells. Biochemistry, 2001, 40, 5765-5776.	2.5	17
34	Interactions between the soluble domain I of nicotinamide nucleotide transhydrogenase from Rhodospirillum rubrum and transhydrogenase from Escherichia coli. FEBS Journal, 2000, 267, 3281-3288.	0.2	11
35	Immunochemical Demonstration of a Novel $\hat{\Gamma}^2$ -Subunit Isoform of X,K-ATPase in Human Skeletal Muscle. Biochemical and Biophysical Research Communications, 2000, 277, 430-435.	2.1	13
36	Intersubunit Interactions in Human X,K-ATPases: A Role of Membrane Domains M9 and M10 in the Assembly Process and Association Efficiency of Human, Nongastric H,K-ATPase $\hat{\Gamma}^2$ Subunits (ATP1a1) with Known $\hat{\Gamma}^2$ Subunits. Biochemistry, 2000, 39, 12688-12698.	2.5	29

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37	Identification of a novel gene of the X,K-ATPase $\beta$ -subunit family that is predominantly expressed in skeletal and heart muscles1. FEBS Letters, 1999, 456, 243-248.	2.8	32
38	Ouabain-sensitive H,K-ATPase: tissue-specific expression of the mammalian genes encoding the catalytic $\beta$ -subunit1. FEBS Letters, 1998, 440, 320-324.	2.8	42
39	Reagents for Multiple Non-Radioactive Labelling of Oligonucleotides. Synthetic Communications, 1996, 26, 2531-2547.	2.1	19
40	Reagent for introducing pyrene residues in oligonucleotides. Bioconjugate Chemistry, 1992, 3, 559-562.	3.6	21