

# Michael V Martinov

## List of Publications by Year in descending order

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13  
papers

741  
citations

840776

11  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis and Reactivity of Cysteine Persulfides in Signaling. <i>Journal of the American Chemical Society</i> , 2016, 138, 289-299.	13.7	206
2	Organization of the Human Mitochondrial Hydrogen Sulfide Oxidation Pathway. <i>Journal of Biological Chemistry</i> , 2014, 289, 30901-30910.	3.4	196
3	The logic of the hepatic methionine metabolic cycle. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 89-96.	2.3	109
4	A Substrate Switch: A New Mode of Regulation in the Methionine Metabolic Pathway. <i>Journal of Theoretical Biology</i> , 2000, 204, 521-532.	1.7	55
5	Deficiencies of glycolytic enzymes as a possible cause of hemolytic anemia. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1474, 75-87.	2.4	49
6	Sulfur-based redox alterations in long-lived Snell dwarf mice. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 321-330.	4.6	27
7	Analysis of pathological defects in methionine metabolism using a simple mathematical model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1741, 331-338.	3.8	25
8	An Allosteric Mechanism for Switching between Parallel Tracks in Mammalian Sulfur Metabolism. <i>PLoS Computational Biology</i> , 2008, 4, e1000076.	3.2	16
9	A Possible Role of Adenylate Metabolism in Human Erythrocytes. 2. Adenylate Metabolism is Able to Improve the Erythrocyte Volume Stabilization. <i>Journal of Theoretical Biology</i> , 1996, 183, 307-316.	1.7	14
10	Volume stabilization in human erythrocytes: combined effects of Ca <sup>2+</sup> -dependent potassium channels and adenylate metabolism. <i>Biophysical Chemistry</i> , 1999, 80, 199-215.	2.8	14
11	Anion permeability and erythrocyte swelling. <i>Bioelectrochemistry</i> , 2000, 52, 169-177.	4.6	13
12	Distribution of methionine between cells and incubation medium in suspension of rat hepatocytes. <i>Amino Acids</i> , 2010, 39, 1281-1289.	2.7	9
13	Rat liver folate metabolism can provide an independent functioning of associated metabolic pathways. <i>Scientific Reports</i> , 2019, 9, 7657.	3.3	8