Svyatoslav Savin

List of Publications by Year
in descending order

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35 papers	384 citations	840776 11 h-index	794594 19 g-index
36 all docs	36 docs citations	36 times ranked	239 citing authors

#	Article	IF	Citations
1	NAD+-dependent Formate Dehydrogenase from Plants. Acta Naturae, 2011, 3, 38-54.	1.7	76
2	The Role of Ala198 in the Stability and Coenzyme Specificity of Bacterial Formate Dehydrogenases. Acta Naturae, 2015, 7, 60-69.	1.7	34
3	NAD (+) -dependent Formate Dehydrogenase from Plants. Acta Naturae, 2011, 3, 38-54.	1.7	30
4	Engineering catalytic properties and thermal stability of plant formate dehydrogenase by single-point mutations. Protein Engineering, Design and Selection, 2012, 25, 781-788.	2.1	27
5	Improvement of the soy formate dehydrogenase properties by rational design. Protein Engineering, Design and Selection, 2015, 28, 171-178.	2.1	21
6	Rational Design of Practically Important Enzymes. Moscow University Chemistry Bulletin, 2018, 73, 1-6.	0.6	21
7	Assessment of Formate Dehydrogenase Stress Stability in vivo using Inactivation by Hydrogen Peroxide. Acta Naturae, 2010, 2, 97-101.	1.7	19
8	Role of a Structurally Equivalent Phenylalanine Residue in Catalysis and Thermal Stability of Formate Dehydrogenases from Different Sources. Biochemistry (Moscow), 2015, 80, 1690-1700.	1.5	18
9	Influence of His6 Sequence on the Properties of Formate Dehydrogenase from Bacterium Pseudomonas sp. 101. Moscow University Chemistry Bulletin, 2020, 75, 250-257.	0.6	14
10	Stabilization of plant formate dehydrogenase by rational design. Biochemistry (Moscow), 2012, 77, 1199-1209.	1.5	12
11	Highly-Active Recombinant Formate Dehydrogenase from Pathogenic Bacterium Staphylococcus aureus: Preparation and Crystallization. Biochemistry (Moscow), 2020, 85, 689-696.	1.5	12
12	The role of ala198 in the stability and coenzyme specificity of bacterial formate dehydrogenases. Acta Naturae, 2015, 7, 60-9.	1.7	11
13	Comparison of Thermal Stability of New Formate Dehydrogenases by Differential Scanning Calorimetry. Moscow University Chemistry Bulletin, 2018, 73, 80-84.	0.6	10
14	Enzymatic Lysis of Living Microbial Cells: A Universal Approach to Calculating the Rate of Cell Lysis in Turbidimetric Measurements. Moscow University Chemistry Bulletin, 2018, 73, 47-52.	0.6	10
15	Study of the Structure-Function-Stability Relationships in Yeast D-amino Acid Oxidase: Hydrophobization of Alpha-Helices. Acta Naturae, 2014, 6, 76-88.	1.7	9
16	Study of the Structure-Function-Stability Relationships in Yeast D-amino Acid Oxidase: Hydrophobization of Alpha-Helices. Acta Naturae, 2014, 6, 76-88.	1.7	7
17	Creation of biocatalysts with prescribed properties. Russian Chemical Bulletin, 2008, 57, 1033-1041.	1.5	6
18	Influence of Met/Leu amino acid changes on catalytic properties and oxidative and thermal stability of yeast D-amino acid oxidase. Moscow University Chemistry Bulletin, 2016, 71, 243-252.	0.6	6

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19	Assessment of Formate Dehydrogenase Stress Stability In vivo using Inactivation by Hydrogen Peroxide. Acta Naturae, 2010, 2, 97-102.	1.7	6
20	Additivity of the Stabilization Effect of Single Amino Acid Substitutions in Triple Mutants of Recombinant Formate Dehydrogenase from the Soybean Glycine max. Acta Naturae, 2015, 7, 55-64.	1.7	5
21	Effect of His6-tag Position on the Expression and Properties of Phenylacetone Monooxygenase from Thermobifida fusca. Biochemistry (Moscow), 2020, 85, 575-582.	1.5	5
22	Effect of Additional Amino Acid Replacements on the Properties of Multi-point Mutant Bacterial Formate Dehyderogenase PseFDH SM4S. , 2022, 14, 82-91.		5
23	Comparison of bacteriolytic activity of human interleukin-2 and chicken egg lysozyme on Lactobacillus plantarum and Escherichia coli cells. Moscow University Chemistry Bulletin, 2015, 70, 287-291.	0.6	4
24	Inactivation of formate dehydrogenase at pH 8. Moscow University Chemistry Bulletin, 2008, 63, 60-62.	0.6	2
25	The 3D-structural modeling of yeast D-amino acid oxidase. Moscow University Chemistry Bulletin, 2010, 65, 121-126.	0.6	2
26	Recombinant alpha-amino ester acid hydrolase from Xanthomonas rubrilineans VKPM B-9915 is a highly efficient biocatalyst of cephalexin synthesis. Moscow University Chemistry Bulletin, 2014, 69, 62-67.	0.6	2
27	Preparation of Recombinant Formate Dehydrogenase from Thermotolerant Yeast Ogataea parapolymorpha and Crystallization of Its Apo- and Holo- Forms. Moscow University Chemistry Bulletin, 2021, 76, 49-55.	0.6	2
28	Additivity of the Stabilization Effect of Single Amino Acid Substitutions in Triple Mutants of Recombinant Formate Dehydrogenase from the Soybean Glycine max. Acta Naturae, 2015, 7, 55-64.	1.7	2
29	Membrane detection of nanogram amounts of formate dehydrogenase. Moscow University Chemistry Bulletin, 2010, 65, 131-134.	0.6	1
30	Preparation and characterization of multipoint yeast D-amino acid oxidase mutants with improved stability and activity. Moscow University Chemistry Bulletin, 2017, 72, 218-223.	0.6	1
31	Effect of Medium pH And Ion Strength on the Thermal Stability of Plant Formate Dehydrogenases. Moscow University Chemistry Bulletin, 2018, 73, 199-203.	0.6	1
32	Determination of the Kinetic Parameters of a Wild-Type D-Amino Acid Oxidase from Yeast and Its Mutant Forms in a Reaction of Cephalosporin C Oxidation. Moscow University Chemistry Bulletin, 2019, 74, 169-172.	0.6	1
33	Human Interleukin-2 and Hen Egg White Lysozyme: Screening for Bacteriolytic Activity against Various Bacterial Cells. Acta Naturae, 2016, 8, 98-102.	1.7	1
34	Bacteriolytic Activity Of Human Interleukin-2, Chicken Egg Lysozyme In The Presence Of Potential Effectors. Acta Naturae, 2017, 9, 82-87.	1.7	1
35	Expression and characterization of mutant forms of penicillin acylase from Alcaligenes faecalis. Moscow University Chemistry Bulletin, 2014, 69, 86-91.	0.6	0