

# Andrey Galkin

## List of Publications by Year in descending order

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30  
papers

1,026  
citations

394421

19  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1294  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cold-Active Serine Alkaline Protease from the Psychrotrophic Bacterium <i>Shewanella</i> Strain Ac10: Gene Cloning and Enzyme Purification and Characterization. <i>Applied and Environmental Microbiology</i> , 1999, 65, 611-617.	3.1	101
2	Cold-active esterase from <i>Psychrobacter</i> sp. Ant300: gene cloning, characterization, and the effects of Gly <sup>â†</sup> Pro substitution near the active site on its catalytic activity and stability. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1696, 59-65.	2.3	92
3	Structural Insight into Arginine Degradation by Arginine Deiminase, an Antibacterial and Parasite Drug Target. <i>Journal of Biological Chemistry</i> , 2004, 279, 14001-14008.	3.4	68
4	Rational design of a trisppecific antibody targeting the HIV-1 Env with elevated anti-viral activity. <i>Nature Communications</i> , 2018, 9, 877.	12.8	65
5	Crystal Structures Representing the Michaelis Complex and the Thiuronium Reaction Intermediate of <i>Pseudomonas aeruginosa</i> Arginine Deiminase. <i>Journal of Biological Chemistry</i> , 2005, 280, 34080-34087.	3.4	58
6	Kinetic Analysis of <i>Pseudomonas aeruginosa</i> Arginine Deiminase Mutants and Alternate Substrates Provides Insight into Structural Determinants of Function. <i>Biochemistry</i> , 2006, 45, 1162-1172.	2.5	58
7	Arginine Deiminase Uses an Active-Site Cysteine in Nucleophilic Catalysis of Arginine Hydrolysis. <i>Journal of the American Chemical Society</i> , 2004, 126, 5374-5375.	13.7	56
8	Structural Basis for Inactivation of <i>Giardia lamblia</i> Carbamate Kinase by Disulfiram. <i>Journal of Biological Chemistry</i> , 2014, 289, 10502-10509.	3.4	51
9	Conversion of L-keto acids to D-amino acids by coupling of four enzyme reactions. <i>Journal of Bioscience and Bioengineering</i> , 1997, 83, 299-300.	0.9	47
10	Characterization, Kinetics, and Crystal Structures of Fructose-1,6-bisphosphate Aldolase from the Human Parasite, <i>Giardia lamblia</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 4859-4867.	3.4	45
11	High-Throughput <i>Giardia lamblia</i> Viability Assay Using Bioluminescent ATP Content Measurements. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 667-675.	3.2	43
12	Cold-Adapted Alanine Dehydrogenases from Two Antarctic Bacterial Strains: Gene Cloning, Protein Characterization, and Comparison with Mesophilic and Thermophilic Counterparts. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4014-4020.	3.1	38
13	Inactivation of Microbial Arginine Deiminases by Canavanine. <i>Journal of the American Chemical Society</i> , 2008, 130, 1918-1931.	13.7	37
14	Discovery of Novel Antigiardiasis Drug Candidates. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 7303-7311.	3.2	33
15	Cold-active DnaK of an Antarctic psychrotroph <i>Shewanella</i> sp. Ac10 supporting the growth of dnaK-null mutant of <i>Escherichia coli</i> at cold temperatures. <i>Extremophiles</i> , 2005, 9, 145-150.	2.3	30
16	Mechanisms of catalysis and inhibition operative in the arginine deiminase from the human pathogen <i>Giardia lamblia</i> . <i>Bioorganic Chemistry</i> , 2009, 37, 149-161.	4.1	30
17	Structural Insights into the Substrate Binding and Stereoselectivity of <i>Giardia</i> Fructose-1,6-bisphosphate Aldolase. <i>Biochemistry</i> , 2009, 48, 3186-3196.	2.5	30
18	Rational design, synthesis and evaluation of first generation inhibitors of the <i>Giardia lamblia</i> fructose-1,6-bisphosphate aldolase. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 509-517.	3.5	23

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19	The HI0073/HI0074 protein pair from Haemophilus influenzae is a member of a new nucleotidyltransferase family: Structure, sequence analyses, and solution studies. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 50, 249-260.	2.6	22
20	A Homogenous Luminescence Assay Reveals Novel Inhibitors for Giardia Lamblia Carbamate Kinase. <i>Current Chemical Genomics</i> , 2012, 6, 93-102.	2.0	16
21	Purification and characterization of alanine dehydrogenase from a marine bacterium, <i>Vibrio proteolyticus</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 23, 373-378.	1.8	13
22	X-ray structure and kinetic properties of ornithine transcarbamoylase from the human parasite <i>Giardia lamblia</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 76, 1049-1053.	2.6	13
23	X-ray structure and characterization of carbamate kinase from the human parasite <i>Giardia lamblia</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 386-390.	0.7	11
24	Conversion of cofactor specificities of alanine dehydrogenases by site-directed mutagenesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 30, 173-176.	1.8	10
25	Structure of HI0073 from Haemophilus influenzae, the nucleotide-binding domain of a two-protein nucleotidyl transferase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 60, 807-811.	2.6	10
26	Improvement of thermostability of cold-active serine alkaline protease from the psychrotrophic bacterium <i>Shewanella</i> sp. strain Ac10 by rational mutagenesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 22, 113-117.	1.8	8
27	Discovery and Preclinical Development of Antigiardiasis Fumagillol Derivatives. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	6
28	X-ray structure of HI0817 from Haemophilus influenzae: Protein of unknown function with a novel fold. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 874-877.	2.6	4
29	Crystal Structures of Carbamate Kinase from <i>Giardia lamblia</i> Bound with Citric Acid and AMP-PNP. <i>PLoS ONE</i> , 2013, 8, e64004.	2.5	4
30	HIV-1 gp120-CD4-Induced Antibody Complex Elicits CD4 Binding Site-Specific Antibody Response in Mice. <i>Journal of Immunology</i> , 2020, 204, 1543-1561.	0.8	4