Ekaterina Y Bezsudnova

List of Publications by Year
in descending order

36	513	687363 13	713466 21
papers	citations	h-index	g-index

38	38	38	595
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Puzzling Protein from Variovorax paradoxus Has a PLP Fold Type IV Transaminase Structure and Binds PLP without Catalytic Lysine. Crystals, 2022, 12, 619.	2.2	0
2	Probing the role of the residues in the active site of the transaminase from Thermobaculum terrenum. PLoS ONE, 2021, 16, e0255098.	2.5	1
3	The Uncommon Active Site of D-Amino Acid Transaminase from Haliscomenobacter hydrossis: Biochemical and Structural Insights into the New Enzyme. Molecules, 2021, 26, 5053.	3.8	14
4	Effects of pH and temperature on (S)-amine activity of transaminase from the cold-adapted bacterium Psychrobacter cryohalolentis. Extremophiles, 2020, 24, 537-549.	2.3	6
5	Structural insight into the substrate specificity of PLP fold type IV transaminases. Applied Microbiology and Biotechnology, 2020, 104, 2343-2357.	3.6	32
6	Effect of Ketosubstrate on the Product Yield in the Transamination Reaction Catalyzed by Transaminase from Thermoproteus uzoniensis. Doklady Biochemistry and Biophysics, 2020, 490, 5-8.	0.9	0
7	Counterbalance of Stability and Activity Observed for Thermostable Transaminase from Thermobaculum terrenum in the Presence of Organic Solvents. Catalysts, 2020, 10, 1024.	3.5	2
8	Functional characterization of PLP fold type IV transaminase with a mixed type of activity from Haliangium ochraceum. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 575-585.	2.3	11
9	Thermostable Branched-Chain Amino Acid Transaminases From the Archaea Geoglobus acetivorans and Archaeoglobus fulgidus: Biochemical and Structural Characterization. Frontiers in Bioengineering and Biotechnology, 2019, 7, 7.	4.1	26
10	Biochemical and structural insights into PLP fold type IV transaminase from Thermobaculum terrenum. Biochimie, 2019, 158, 130-138.	2.6	19
11	Identification of branched-chain amino acid aminotransferases active towards (R)-(+)-1-phenylethylamine among PLP fold type IV transaminases. Journal of Biotechnology, 2018, 271, 26-28.	3.8	13
12	Structural characterization of geranylgeranyl pyrophosphate synthase GACE1337 from the hyperthermophilic archaeon Geoglobus acetivorans. Extremophiles, 2018, 22, 877-888.	2.3	7
13	Diaminopelargonic acid transaminase from Psychrobacter cryohalolentis is active towards (S)-(-)-1-phenylethylamine, aldehydes and Î±-diketones. Applied Microbiology and Biotechnology, 2018, 102, 9621-9633.	3.6	6
14	Molecular dynamics study of the structural and dynamic characteristics of the polyextremophilic short-chain dehydrogenase from the Thermococcus sibiricus archaeon and its homologues. AIP Conference Proceedings, 2017, , .	0.4	0
15	A Novel highly thermostable branched-chain amino acid aminotransferase from the crenarchaeon Vulcanisaeta moutnovskia. Enzyme and Microbial Technology, 2017, 96, 127-134.	3.2	22
16	Properties of bacterial and archaeal branched-chain amino acid aminotransferases. Biochemistry (Moscow), 2017, 82, 1572-1591.	1.5	37
17	NADP-Dependent Aldehyde Dehydrogenase from ArchaeonPyrobaculum sp.1860: Structural and Functional Features. Archaea, 2016, 2016, 1-14.	2.3	3
18	Experimental and computational studies on the unusual substrate specificity of branched-chain amino acid aminotransferase from Thermoproteus uzoniensis. Archives of Biochemistry and Biophysics, 2016, 607, 27-36.	3.0	20

#	Article	IF	Citations
19	First structure of archaeal branched-chain amino acid aminotransferase from Thermoproteus uzoniensis specific for l-amino acids and R-amines. Extremophiles, 2016, 20, 215-225.	2.3	28
20	Structure of the dodecamer of the aminopeptidase APDkam598 from the archaeonDesulfurococcus kamchatkensis. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 277-285.	0.8	8
21	Intramolecular hydrogen bonding in the polyextremophilic short-chain dehydrogenase from the archaeon Thermococcus sibiricus and its close structural homologs. Biochimie, 2015, 118, 82-89.	2.6	6
22	Nicotinamidase from the thermophilic archaeon Acidilobus saccharovorans: Structural and functional characteristics. Biochemistry (Moscow), 2014, 79, 54-61.	1.5	8
23	Structures of Î²-glycosidase from Acidilobus saccharovorans in complexes with tris and glycerol. Doklady Biochemistry and Biophysics, 2013, 449, 99-101.	0.9	5
24	Sodium Chloride-Induced Modulation of the Activity and Thermal Stability of Short-Chain Oxidoreductase from the Archaeon Thermococcus sibiricus. Applied Biochemistry and Biotechnology, 2013, 171, 1877-1889.	2.9	1
25	ATP-dependent DNA ligase fromThermococcussp. 1519 displays a new arrangement of the OB-fold domain. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 1440-1447.	0.7	16
26	Structural insight into the molecular basis of polyextremophilicity of short-chain alcohol dehydrogenase from the hyperthermophilic archaeon Thermococcus sibiricus. Biochimie, 2012, 94, 2628-2638.	2.6	23
27	Expression, purification, crystallization and preliminary crystallographic analysis of a thermostable DNA ligase from the archaeonThermococcus sibiricus. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 163-165.	0.7	8
28	Characterization of a novel M42 aminopeptidase from crenarchaeon Desulfurococcus kamchatkensis. Doklady Biochemistry and Biophysics, 2012, 442, 30-32.	0.9	4
29	Structural features of thermostable short-chain alcohol dehydrogenase from hyperthermophilic archaeon Thermococcus sibiricus. Current Opinion in Biotechnology, 2011, 22, S85.	6.6	0
30	Expression, purification and crystallization of a thermostable short-chain alcohol dehydrogenase from the archaeonThermococcus sibiricus. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 655-657.	0.7	2
31	Characterization of a Thermostable Short-Chain Alcohol Dehydrogenase from the Hyperthermophilic Archaeon Thermococcus sibiricus. Applied and Environmental Microbiology, 2010, 76, 4096-4098.	3.1	21
32	Overexpression, purification and crystallization of a thermostable DNA ligase from the archaeonThermococcussp. 1519. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 368-371.	0.7	9
33	Thiocyanate hydrolase, the primary enzyme initiating thiocyanate degradation in the novel obligately chemolithoautotrophic halophilic sulfur-oxidizing bacterium Thiohalophilus thiocyanoxidans. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1563-1570.	2.3	42
34	Denitrification in a binary culture and thiocyanate metabolism in Thiohalophilus thiocyanoxidans gen. nov. sp. nov. â€“ a moderately halophilic chemolithoautotrophic sulfur-oxidizing Gammaproteobacterium from hypersaline lakes. Archives of Microbiology, 2007, 187, 441-450.	2.2	76
35	Studies of Peroxidase Refolding in the Presence of Specific Antibodies. Applied Biochemistry and Microbiology, 2003, 39, 446-453.	0.9	2
36	Water-soluble cyclopalladated aryl oxime: a potent â€˜greenâ€™ catalyst. Journal of Organometallic Chemistry, 2001, 622, 38-42.	1.8	33