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	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
2	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
3	Properties of bacterial and archaeal branched-chain amino acid aminotransferases. Biochemistry (Moscow), 2017, 82, 1572-1591.	1.5	37
4	Water-soluble cyclopalladated aryl oxime: a potent â€˜greenâ€™ catalyst. Journal of Organometallic Chemistry, 2001, 622, 38-42.	1.8	33
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	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
7	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
8	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
9	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
10	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
11	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
12	Biochemical and structural insights into PLP fold type IV transaminase from Thermobaculum terrenum. Biochimie, 2019, 158, 130-138.	2.6	19
13	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
14	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
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	Nicotinamidase from the thermophilic archaeon Acidilobus saccharovorans: Structural and functional characteristics. Biochemistry (Moscow), 2014, 79, 54-61.	1.5	8
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	Structural characterization of geranylgeranyl pyrophosphate synthase GACE1337 from the hyperthermophilic archaeon Geoglobus acetivorans. Extremophiles, 2018, 22, 877-888.	2.3	7
22	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
23	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
24	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
25	Structures of Î²-glycosidase from Acidilobus saccharovorans in complexes with tris and glycerol. Doklady Biochemistry and Biophysics, 2013, 449, 99-101.	0.9	5
26	Characterization of a novel M42 aminopeptidase from crenarchaeon Desulfurococcus kamchatkensis. Doklady Biochemistry and Biophysics, 2012, 442, 30-32.	0.9	4
27	NADP-Dependent Aldehyde Dehydrogenase from ArchaeonPyrobaculum sp.1860: Structural and Functional Features. Archaea, 2016, 2016, 1-14.	2.3	3
28	Studies of Peroxidase Refolding in the Presence of Specific Antibodies. Applied Biochemistry and Microbiology, 2003, 39, 446-453.	0.9	2
29	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
30	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
31	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
32	Probing the role of the residues in the active site of the transaminase from Thermobaculum terrenum. PLoS ONE, 2021, 16, e0255098.	2.5	1
33	Structural features of thermostable short-chain alcohol dehydrogenase from hyperthermophilic archaeon Thermococcus sibiricus. Current Opinion in Biotechnology, 2011, 22, S85.	6.6	0
34	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
35	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
36	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