Tatyana Rotanova

List of Publications by Year in descending order

19 papers	311 citations	1162889 8 h-index	887953 17 g-index
30 all docs	30 docs citations	30 times ranked	194 citing authors

#	Article	IF	Citations
1	Involvement of the N Domain Residues E34, K35, and R38 in the Functionally Active Structure of Escherichia coli Lon Protease. Acta Naturae, 2020, 12, 86-97.	1.7	4
2	Effect of the Deletion of the (173â€“280) Fragment of the Inserted Î±-Helical Domain on the Functional Properties of ÐÐ¢Ð-Dependent Lon Protease from E. coli. Russian Journal of Bioorganic Chemistry, 2018, 44, 518-527.	0.3	6
3	Complexes of the ATP-dependent Lon protease and DNA aptamers with G-quadruplexes as a model for developing a nanosensor biomagnetic immunoassay system. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2017, 72, 376-382.	0.1	0
4	Involvement of the N-terminal region and its characteristic coiled-coil fragment in the function and structure maintenance of E. coli LonA protease. Russian Journal of Bioorganic Chemistry, 2017, 43, 368-376.	0.3	3
5	Role of the Inserted Î±-Helical Domain in E. coli ATP-Dependent Lon Protease Function. Acta Naturae, 2017, 9, 75-81.	1.7	8
6	Role of the Inserted Î±-Helical Domain in E. coli ATP-Dependent Lon Protease Function. Acta Naturae, 2017, 9, 75-81.	1.7	8
7	Influence of the (1â€“106) fragment of Escherichia coli Lon protease on the enzyme function and DNA binding. Russian Journal of Bioorganic Chemistry, 2016, 42, 381-388.	0.3	4
8	Foreword to the special issue. Russian Journal of Bioorganic Chemistry, 2014, 40, 589-589.	0.3	0
9	Molecular chaperones. Russian Journal of Bioorganic Chemistry, 2010, 36, 1-10.	0.3	11
10	A novel view on the architecture of the non-catalytic N-terminal region of ATP-dependent LonA proteases. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2010, 4, 404-408.	0.2	6
11	The ATP-dependent proteases and proteolytic complexes involved into intracellular protein degradation. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2008, 2, 245-257.	0.2	4
12	Forms of LonB protease from Archaeoglobus fulgidus devoid of the transmembrane domain: The contribution of the quaternary structure to the regulation of enzyme proteolytic activity. Russian Journal of Bioorganic Chemistry, 2007, 33, 610-613.	0.3	1
13	Coupling of proteolysis to ATP hydrolysis uponEscherichia coli lon protease functioning: I. kinetic aspects of ATP hydrolysis. Russian Journal of Bioorganic Chemistry, 2000, 26, 474-481.	0.3	5
14	Intracellular proteolysis: Signals of selective protein degradation. Russian Journal of Bioorganic Chemistry, 2000, 26, 71-84.	0.3	3
15	Mutations in the proteolytic domain ofEscherichia coliprotease Lon impair the ATPase activity of the enzyme. FEBS Letters, 1998, 422, 218-220.	1.3	41
16	The isolated proteolytic domain ofEscherichia coliATP-dependent protease Lon exhibits the peptidase activity. FEBS Letters, 1998, 432, 179-181.	1.3	24
17	Site-directed mutagenesis of La protease. FEBS Letters, 1991, 287, 211-214.	1.3	94
18	Effect of the aminopeptidase inhibitor bestatin on rat brain enkephalin levels. Bulletin of Experimental Biology and Medicine, 1990, 110, 1483-1485.	0.3	3

#	Article	IF	Citations
19	Catalytic activity and association of pancreatic lipase. Biochimie, 1988, 70, 1235-1244.	1.3	16