

Tatyana Rotanova

List of Publications by Year in descending order

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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	Site-directed mutagenesis of La protease. FEBS Letters, 1991, 287, 211-214.	1.3	94
2	Mutations in the proteolytic domain of Escherichia coli protease Lon impair the ATPase activity of the enzyme. FEBS Letters, 1998, 422, 218-220.	1.3	41
3	The isolated proteolytic domain of Escherichia coli ATP-dependent protease Lon exhibits the peptidase activity. FEBS Letters, 1998, 432, 179-181.	1.3	24
4	Catalytic activity and association of pancreatic lipase. Biochimie, 1988, 70, 1235-1244.	1.3	16
5	Molecular chaperones. Russian Journal of Bioorganic Chemistry, 2010, 36, 1-10.	0.3	11
6	Role of the Inserted α -Helical Domain in E. coli ATP-Dependent Lon Protease Function. Acta Naturae, 2017, 9, 75-81.	1.7	8
7	Role of the Inserted α -Helical Domain in E. coli ATP-Dependent Lon Protease Function. Acta Naturae, 2017, 9, 75-81.	1.7	8
8	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
9	Effect of the Deletion of the (173-280) Fragment of the Inserted α -Helical Domain on the Functional Properties of ATP-Dependent Lon Protease from E. coli. Russian Journal of Bioorganic Chemistry, 2018, 44, 518-527.	0.3	6
10	Coupling of proteolysis to ATP hydrolysis upon Escherichia coli Lon protease functioning: I. kinetic aspects of ATP hydrolysis. Russian Journal of Bioorganic Chemistry, 2000, 26, 474-481.	0.3	5
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	Influence of the (1-106) 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
13	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
14	Effect of the aminopeptidase inhibitor bestatin on rat brain enkephalin levels. Bulletin of Experimental Biology and Medicine, 1990, 110, 1483-1485.	0.3	3
15	Intracellular proteolysis: Signals of selective protein degradation. Russian Journal of Bioorganic Chemistry, 2000, 26, 71-84.	0.3	3
16	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
17	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
18	Foreword to the special issue. Russian Journal of Bioorganic Chemistry, 2014, 40, 589-589.	0.3	0

#	ARTICLE	IF	CITATIONS
19	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