

Istvan Botos

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,596
citations

516215

16
h-index

676716

22
g-index

24
all docs

24
docs citations

24
times ranked

2361
citing authors

#	ARTICLE	IF	CITATIONS
1	The Structural Biology of Toll-like Receptors. <i>Structure</i> , 2011, 19, 447-459.	1.6	559
2	The Catalytic Domain of Escherichia coli Lon Protease Has a Unique Fold and a Ser-Lys Dyad in the Active Site. <i>Journal of Biological Chemistry</i> , 2004, 279, 8140-8148.	1.6	167
3	Structural and Functional Characterization of the LPS Transporter LptDE from Gram-Negative Pathogens. <i>Structure</i> , 2016, 24, 965-976.	1.6	110
4	Classification of ATP-dependent proteases Lon and comparison of the active sites of their proteolytic domains. <i>FEBS Journal</i> , 2004, 271, 4865-4871.	0.2	88
5	Crystal structure of the AAA+ domain of E. coli Lon protease at 1.9Å... resolution. <i>Journal of Structural Biology</i> , 2004, 146, 113-122.	1.3	84
6	Slicing a protease: Structural features of the ATP-dependent Lon proteases gleaned from investigations of isolated domains. <i>Protein Science</i> , 2006, 15, 1815-1828.	3.1	81
7	The Toll-like receptor 3:dsRNA signaling complex. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2009, 1789, 667-674.	0.9	80
8	Cryo-EM structure of the bacterial Ton motor subcomplex ExbA-ExbD provides information on structure and stoichiometry. <i>Communications Biology</i> , 2019, 2, 358.	2.0	60
9	Structure and dynamics of a constitutively active neurotensin receptor. <i>Scientific Reports</i> , 2016, 6, 38564.	1.6	59
10	Structural insight into mitochondrial β -barrel outer membrane protein biogenesis. <i>Nature Communications</i> , 2020, 11, 3290.	5.8	48
11	Atomic-resolution Crystal Structure of the Proteolytic Domain of Archaeoglobus fulgidus Lon Reveals the Conformational Variability in the Active Sites of Lon Proteases. <i>Journal of Molecular Biology</i> , 2005, 351, 144-157.	2.0	46
12	Insertion of proteins and lipopolysaccharide into the bacterial outer membrane. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160224.	1.8	40
13	The expanding diversity of serine hydrolases. <i>Current Opinion in Structural Biology</i> , 2007, 17, 683-690.	2.6	30
14	Building Better Barrels - β -barrel Biogenesis and Insertion in Bacteria and Mitochondria. <i>Journal of Molecular Biology</i> , 2021, 433, 166894.	2.0	22
15	Conformational constraints of cyclopentane peptide nucleic acids facilitate tunable binding to DNA. <i>Nucleic Acids Research</i> , 2021, 49, 713-725.	6.5	20
16	Limited proteolysis of E. coli ATP-dependent protease Lon - a unified view of the subunit architecture and characterization of isolated enzyme fragments.. <i>Acta Biochimica Polonica</i> , 2008, 55, 281-296.	0.3	20
17	Cryo-EM structure of substrate-free E. coli Lon protease provides insights into the dynamics of Lon machinery. <i>Current Research in Structural Biology</i> , 2019, 1, 13-20.	1.1	19
18	Structure of the NPR:EINNtr Complex: Mechanism for Specificity in Paralogous Phosphotransferase Systems. <i>Structure</i> , 2016, 24, 2127-2137.	1.6	16

#	ARTICLE	IF	CITATIONS
19	New insights into structural and functional relationships between LonA proteases and ClpB chaperones. FEBS Open Bio, 2019, 9, 1536-1551.	1.0	15
20	Structural insight into toxin secretion by contact-dependent growth inhibition transporters. ELife, 2020, 9, .	2.8	14
21	Limited proteolysis of E. coli ATP-dependent protease Lon - a unified view of the subunit architecture and characterization of isolated enzyme fragments. Acta Biochimica Polonica, 2008, 55, 281-96.	0.3	12
22	OLFM4-RET fusion is an oncogenic driver in small intestine adenocarcinoma. Oncogene, 2022, 41, 72-82.	2.6	6