

Istvan Botos

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,596
citations

516710

16
h-index

677142

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. | 3.3 | 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. | 3.4 | 167 |
| 3 | Structural and Functional Characterization of the LPS Transporter LptDE from Gram-Negative Pathogens. <i>Structure</i> , 2016, 24, 965-976. | 3.3 | 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+ \hat{I} domain of E. coli Lon protease at 1.9Å... resolution. <i>Journal of Structural Biology</i> , 2004, 146, 113-122. | 2.8 | 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. | 7.6 | 81 |
| 7 | The Toll-like receptor 3:dsRNA signaling complex. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2009, 1789, 667-674. | 1.9 | 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. | 4.4 | 60 |
| 9 | Structure and dynamics of a constitutively active neurotensin receptor. <i>Scientific Reports</i> , 2016, 6, 38564. | 3.3 | 59 |
| 10 | Structural insight into mitochondrial \hat{I}^2 -barrel outer membrane protein biogenesis. <i>Nature Communications</i> , 2020, 11, 3290. | 12.8 | 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. | 4.2 | 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. | 4.0 | 40 |
| 13 | The expanding diversity of serine hydrolases. <i>Current Opinion in Structural Biology</i> , 2007, 17, 683-690. | 5.7 | 30 |
| 14 | Building Better Barrels – \hat{I}^2 -barrel Biogenesis and Insertion in Bacteria and Mitochondria. <i>Journal of Molecular Biology</i> , 2021, 433, 166894. | 4.2 | 22 |
| 15 | Conformational constraints of cyclopentane peptide nucleic acids facilitate tunable binding to DNA. <i>Nucleic Acids Research</i> , 2021, 49, 713-725. | 14.5 | 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. | 0.5 | 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. | 2.2 | 19 |
| 18 | Structure of the NPR:EINNtr Complex: Mechanism for Specificity in Paralogous Phosphotransferase Systems. <i>Structure</i> , 2016, 24, 2127-2137. | 3.3 | 16 |

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|----|---|-----|-----------|
| 19 | New insights into structural and functional relationships between LonA proteases and ClpB chaperones. FEBS Open Bio, 2019, 9, 1536-1551. | 2.3 | 15 |
| 20 | Structural insight into toxin secretion by contact-dependent growth inhibition transporters. ELife, 2020, 9, . | 6.0 | 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. | 0.5 | 12 |
| 22 | OLFM4-RET fusion is an oncogenic driver in small intestine adenocarcinoma. Oncogene, 2022, 41, 72-82. | 5.9 | 6 |