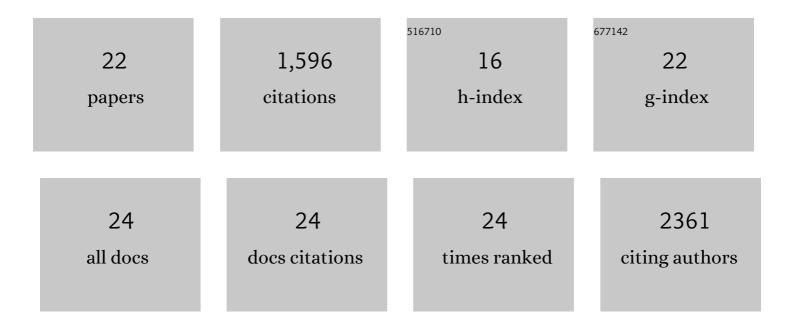
## Istvan Botos

List of Publications by Year in descending order

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ISTVAN ROTOS

#	Article	IF	CITATIONS
1	The Structural Biology of Toll-like Receptors. Structure, 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. Journal of Biological Chemistry, 2004, 279, 8140-8148.	3.4	167
3	Structural and Functional Characterization of the LPS Transporter LptDE from Gram-Negative Pathogens. Structure, 2016, 24, 965-976.	3.3	110
4	Classification of ATP-dependent proteases Lon and comparison of the active sites of their proteolytic domains. FEBS Journal, 2004, 271, 4865-4871.	0.2	88
5	Crystal structure of the AAA+ α domain of E. coli Lon protease at 1.9à resolution. Journal of Structural Biology, 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. Protein Science, 2006, 15, 1815-1828.	7.6	81
7	The Toll-like receptor 3:dsRNA signaling complex. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2009, 1789, 667-674.	1.9	80
8	Cryo-EM structure of the bacterial Ton motor subcomplex ExbB–ExbD provides information on structure and stoichiometry. Communications Biology, 2019, 2, 358.	4.4	60
9	Structure and dynamics of a constitutively active neurotensin receptor. Scientific Reports, 2016, 6, 38564.	3.3	59
10	Structural insight into mitochondrial β-barrel outer membrane protein biogenesis. Nature Communications, 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. Journal of Molecular Biology, 2005, 351, 144-157.	4.2	46
12	Insertion of proteins and lipopolysaccharide into the bacterial outer membrane. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160224.	4.0	40
13	The expanding diversity of serine hydrolases. Current Opinion in Structural Biology, 2007, 17, 683-690.	5.7	30
14	Building Better Barrels – β-barrel Biogenesis and Insertion in Bacteria and Mitochondria. Journal of Molecular Biology, 2021, 433, 166894.	4.2	22
15	Conformational constraints of cyclopentane peptide nucleic acids facilitate tunable binding to DNA. Nucleic Acids Research, 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 Acta Biochimica Polonica, 2008, 55, 281-296.	0.5	20
17	Cryo-EM structure of substrate-free E.Âcoli Lon protease provides insights into the dynamics of Lon machinery. Current Research in Structural Biology, 2019, 1, 13-20.	2.2	19
18	Structure of the NPr:EINNtr Complex: Mechanism for Specificity in Paralogous Phosphotransferase Systems. Structure, 2016, 24, 2127-2137.	3.3	16

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#	Article	IF	CITATIONS
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