Partho Ghosh

List of Publications by Year
in descending order

50 papers	3,096 citations	186265 28 h-index	223800 46 g-index
58 all docs	58 docs citations	58 times ranked	3257 citing authors

#	Article	IF	Citations
1	Contribution of Streptococcus pyogenes M87 protein to innate immune resistance and virulence. Microbial Pathogenesis, 2022, 169, 105636.	2.9	4
2	Nonimmune antibody interactions of Group A Streptococcus M and M-like proteins. PLoS Pathogens, 2021, 17, e1009248.	4.7	13
3	Determinants of adenine-mutagenesis in diversity-generating retroelements. Nucleic Acids Research, 2021, 49, 1033-1045.	14.5	5
4	Crystal structure of a Thermus aquaticus diversity-generating retroelement variable protein. PLoS ONE, 2019, 14, e0205618.	2.5	5
5	Diversity-generating retroelements: natural variation, classification and evolution inferred from a large-scale genomic survey. Nucleic Acids Research, 2018, 46, 11-24.	14.5	102
6	Variation, Indispensability, and Masking in the M protein. Trends in Microbiology, 2018, 26, 132-144.	7.7	33
7	Template-assisted synthesis of adenine-mutagenized cDNA by a retroelement protein complex. Nucleic Acids Research, 2018, 46, 9711-9725.	14.5	21
8	Group A Streptococcal M1 Protein Provides Resistance against the Antimicrobial Activity of Histones. Scientific Reports, 2017, 7, 43039.	3.3	29
9	Retroelement-guided protein diversification abounds in vast lineages of Bacteria and Archaea. Nature Microbiology, 2017, 2, 17045.	13.3	62
10	Group A streptococcal M protein activates the NLRP3 inflammasome. Nature Microbiology, 2017, 2, 1425-1434.	13.3	73
11	Conservation of the C-type lectin fold for accommodating massive sequence variation in archaeal diversity-generating retroelements. BMC Structural Biology, 2016, 16, 13.	2.3	15
12	Coiled-coil destabilizing residues in the group A <i>Streptococcus</i> M1 protein are required for functional interaction. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9515-9520.	7.1	37
13	Conserved patterns hidden within group A Streptococcus M protein hypervariability recognize human C4b-binding protein. Nature Microbiology, 2016, 1, 16155.	13.3	47
14	Targeted diversity generation by intraterrestrial archaea and archaeal viruses. Nature Communications, 2015, 6, 6585.	12.8	63
15	Group A Streptococcal M1 Protein Sequesters Cathelicidin to Evade Innate Immune Killing. Cell Host and Microbe, 2015, 18, 471-477.	11.0	51
16	M1 Protein from GAS Protects against Histone Killing. FASEB Journal, 2015, 29, 718.18.	0.5	0
17	Mutual Exclusivity of Hyaluronan and Hyaluronidase in Invasive Group A Streptococcus. Journal of Biological Chemistry, 2014, 289, 32303-32315.	3.4	30
18	The Fibrinogen-binding M1 Protein Reduces Pharyngeal Cell Adherence and Colonization Phenotypes of M1T1 Group A Streptococcus. Journal of Biological Chemistry, 2014, 289, 3539-3546.	3.4	22

#	Article	IF	Citations
19	Diversity-generating Retroelements in Phage and Bacterial Genomes. Microbiology Spectrum, 2014, 2, .	3.0	47
20	Structure of the Essential Plasmodium Host Cell Traversal Protein SPECT1. PLoS ONE, 2014, 9, e114685.	2.5	12
21	Coiled-coil irregularities of the M1 protein structure promote M1â€"fibrinogen interaction and influence group A Streptococcus host cell interactions and virulence. Journal of Molecular Medicine, 2013, 91, 861-869.	3.9	14
22	Structure of the Essential Diversity-Generating Retroelement Protein bAvd and Its Functionally Important Interaction with Reverse Transcriptase. Structure, 2013, 21, 266-276.	3.3	26
23	Surface display of a massively variable lipoprotein by a <i>Legionella</i> diversity-generating retroelement. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8212-8217.	7.1	48
24	Structure and Interactions of the Cytoplasmic Domain of the Yersinia Type III Secretion Protein YscD. Journal of Bacteriology, 2012, 194, 5949-5958.	2.2	18
25	Two Translation Products of <i>Yersinia yscQ</i> Assemble To Form a Complex Essential to Type III Secretion. Biochemistry, 2012, 51, 1669-1677.	2.5	49
26	The Nonideal Coiled Coil of M Protein and Its Multifarious Functions in Pathogenesis. Advances in Experimental Medicine and Biology, 2011, 715, 197-211.	1.6	31
27	Streptococcal M1 protein constructs a pathological host fibrinogen network. Nature, 2011, 472, 64-68.	27.8	100
28	Conservation of the C-type lectin fold for massive sequence variation in a <i>Treponema</i> diversity-generating retroelement. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14649-14653.	7.1	39
29	A Solvent-Exposed Patch in Chaperone-Bound YopE Is Required for Translocation by the Type III Secretion System. Journal of Bacteriology, 2010, 192, 3114-3122.	2.2	14
30	Listeria monocytogenes Internalin B Activates Junctional Endocytosis to Accelerate Intestinal Invasion. PLoS Pathogens, 2010, 6, e1000900.	4.7	86
31	M1 Protein Allows Group A Streptococcal Survival in Phagocyte Extracellular Traps through Cathelicidin Inhibition. Journal of Innate Immunity, 2009, 1, 202-214.	3.8	157
32	Coiled-Coil Irregularities and Instabilities in Group A <i>Streptococcus</i> M1 Are Required for Virulence. Science, 2008, 319, 1405-1408.	12.6	137
33	The Type III Secretion Chaperone SycE Promotes a Localized Disorder-to-Order Transition in the Natively Unfolded Effector YopE. Journal of Biological Chemistry, 2008, 283, 20857-20863.	3.4	39
34	Selective Ligand Recognition by a Diversity-Generating Retroelement Variable Protein. PLoS Biology, 2008, 6, e131.	5.6	47
35	Investigation of the Mechanism of Binding between Internalin B and Heparin Using Surface Plasmon Resonance. Biochemistry, 2007, 46, 2697-2706.	2.5	9
36	The C-type lectin fold as an evolutionary solution for massive sequence variation. Nature Structural and Molecular Biology, 2005, 12, 886-892.	8.2	92

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37	Process of Protein Transport by the Type III Secretion System. Microbiology and Molecular Biology Reviews, 2004, 68, 771-795.	6.6	351
38	GW domains of the Listeria monocytogenes invasion protein InlB are required for potentiation of Met activation. Molecular Microbiology, 2004, 52, 257-271.	2.5	67
39	Characterization of the calcium-binding sites of Listeria monocytogenes InlB. Biochemical and Biophysical Research Communications, 2004, 316, 379-386.	2.1	7
40	Multiple Regions of Internalin B Contribute to Its Ability to Turn on the Ras-Mitogen-activated Protein Kinase Pathway. Journal of Biological Chemistry, 2003, 278, 7783-7789.	3.4	43
41	In Vivo Phospholipase Activity of the Pseudomonas aeruginosa Cytotoxin ExoU and Protection of Mammalian Cells with Phospholipase A2 Inhibitors. Journal of Biological Chemistry, 2003, 278, 41326-41332.	3.4	172
42	Three-Dimensional Secretion Signals in Chaperone-Effector Complexes of Bacterial Pathogens. Molecular Cell, 2002, 9, 971-980.	9.7	162
43	GW domains of the Listeria monocytogenes invasion protein InlB are SH3-like and mediate binding to host ligands. EMBO Journal, 2002, 21, 5623-5634.	7.8	107
44	Structure of the Rho-activating domain of Escherichia coli cytotoxic necrotizing factor 1. Nature Structural Biology, 2001, 8, 584-588.	9.7	95
45	Structure of the Yersinia type III secretory system chaperone SycE. , 2001, 8, 974-978.		68
46	Structure of the InlB Leucine-Rich Repeats, a Domain that Triggers Host Cell Invasion by the Bacterial Pathogen L. monocytogenes. Molecular Cell, 1999, 4, 1063-1072.	9.7	161
47	Crystal structure of colicin Ia. Nature, 1997, 385, 461-464.	27.8	250
48	A carboxy-terminal fragment of colicin Ia forms ion channels. Journal of Membrane Biology, 1993, 134, 85-92.	2.1	19
49	Diversity-generating Retroelements in Phage and Bacterial Genomes. , 0, , 1237-1252.		8
50	An M protein coiled coil unfurls and exposes its hydrophobic core to capture LL-37. ELife, 0, 11, .	6.0	7