

Anton V Zavialov

List of Publications by Year in descending order

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40
papers

3,269
citations

279798

23
h-index

315739

38
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40
all docs

40
docs citations

40
times ranked

4073
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycosphingolipids Recognized by <i>Acinetobacter baumannii</i> . <i>Microorganisms</i> , 2020, 8, 612.	3.6	5
2	Comparison of kinetic and enzymatic properties of intracellular phosphoserine aminotransferases from alkaliphilic and neutrophilic bacteria. <i>Open Chemistry</i> , 2020, 18, 149-164.	1.9	1
3	A new human challenge model for testing heat-stable toxin-based vaccine candidates for enterotoxigenic <i>Escherichia coli</i> diarrhea – dose optimization, clinical outcomes, and CD4+ T cell responses. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007823.	3.0	15
4	Secreted bacterial adenosine deaminase is an evolutionary precursor of adenosine deaminase growth factor. <i>Molecular Biology and Evolution</i> , 2018, 35, 2851-2861.	8.9	3
5	Archaic and alternative chaperones preserve pilin folding energy by providing incomplete structural information. <i>Journal of Biological Chemistry</i> , 2018, 293, 17070-17080.	3.4	5
6	Structural basis for <i>Acinetobacter baumannii</i> biofilm formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5558-5563.	7.1	122
7	Heterologous Complementation Studies With the YscX and YscY Protein Families Reveals a Specificity for <i>Yersinia pseudotuberculosis</i> Type III Secretion. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 80.	3.9	12
8	Methylation, crystallization and SAD phasing of the Csu pilus Csu – CsuE chaperone – adhesin subunit pre-assembly complex from <i>Acinetobacter baumannii</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 450-454.	0.8	6
9	Structural basis for Myf and Psa fimbriae-mediated tropism of pathogenic strains of <i>Yersinia</i> for host tissues. <i>Molecular Microbiology</i> , 2016, 102, 593-610.	2.5	14
10	Structural Insight into Archaic and Alternative Chaperone-Usher Pathways Reveals a Novel Mechanism of Pilus Biogenesis. <i>PLoS Pathogens</i> , 2015, 11, e1005269.	4.7	32
11	Crystallization and preliminary X-ray diffraction analysis of the Csu pili Csu – CsuA/B chaperone – major subunit pre-assembly complex from <i>Acinetobacter baumannii</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 770-774.	0.8	7
12	Structural Insight into Host Recognition by Aggregative Adherence Fimbriae of Enteroaggregative <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004404.	4.7	38
13	Early-Onset Stroke and Vasculopathy Associated with Mutations in ADA2. <i>New England Journal of Medicine</i> , 2014, 370, 911-920.	27.0	687
14	Crystallization and sulfur SAD phasing of AggA, the major subunit of aggregative adherence fimbriae type I from the <i>Escherichia coli</i> strain that caused an outbreak of haemolytic-uraemic syndrome in Germany. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1389-1392.	0.7	2
15	Large Is Fast, Small Is Tight: Determinants of Speed and Affinity in Subunit Capture by a Periplasmic Chaperone. <i>Journal of Molecular Biology</i> , 2012, 417, 294-308.	4.2	25
16	Crystal structure of enterotoxigenic <i>Escherichia coli</i> colonization factor CS6 reveals a novel type of functional assembly. <i>Molecular Microbiology</i> , 2012, 86, 1100-1115.	2.5	28
17	Allosteric Mechanism Controls Traffic in the Chaperone/Usher Pathway. <i>Structure</i> , 2012, 20, 1861-1871.	3.3	27
18	Metacaspases. <i>Cell Death and Differentiation</i> , 2011, 18, 1279-1288.	11.2	292

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19	Adhesive organelles of Gram-negative pathogens assembled with the classical chaperone/usher machinery: structure and function from a clinical standpoint. <i>FEMS Microbiology Reviews</i> , 2010, 34, 317-378.	8.6	84
20	Structural Basis for the Growth Factor Activity of Human Adenosine Deaminase ADA2. <i>Journal of Biological Chemistry</i> , 2010, 285, 12367-12377.	3.4	99
21	Human adenosine deaminase 2 induces differentiation of monocytes into macrophages and stimulates proliferation of T helper cells and macrophages. <i>Journal of Leukocyte Biology</i> , 2010, 88, 279-290.	3.3	192
22	Tudor staphylococcal nuclease is an evolutionarily conserved component of the programmed cell death degradome. <i>Nature Cell Biology</i> , 2009, 11, 1347-1354.	10.3	192
23	Caf1A usher possesses a Caf1 subunit-like domain that is crucial for Caf1 fibre secretion. <i>Biochemical Journal</i> , 2009, 418, 541-551.	3.7	15
24	A novel self-capping mechanism controls aggregation of periplasmic chaperone Caf1M. <i>Molecular Microbiology</i> , 2007, 64, 153-164.	2.5	20
25	A novel self-capping mechanism controls aggregation of periplasmic chaperone Caf1M. <i>Molecular Microbiology</i> , 2007, 64, 872-872.	2.5	0
26	FGL chaperone-assembled fimbrial polyadhesins: anti-immune armament of Gram-negative bacterial pathogens. <i>FEMS Microbiology Reviews</i> , 2007, 31, 478-514.	8.6	65
27	The affinity of the FimH fimbrial adhesin is receptor-driven and quasi-independent of <i>Escherichia coli</i> pathotypes. <i>Molecular Microbiology</i> , 2006, 61, 1556-1568.	2.5	139
28	Receptor binding studies disclose a novel class of high-affinity inhibitors of the <i>Escherichia coli</i> FimH adhesin. <i>Molecular Microbiology</i> , 2005, 55, 441-455.	2.5	372
29	Resolving the energy paradox of chaperone/usher-mediated fibre assembly. <i>Biochemical Journal</i> , 2005, 389, 685-694.	3.7	90
30	Mutagenesis Elucidates The Assembly Pathway and Structure of <i>Yersinia pestis</i> F1 Polymer. <i>Advances in Experimental Medicine and Biology</i> , 2004, 529, 113-116.	1.6	0
31	Overexpression, purification, crystallization and preliminary X-ray diffraction analysis of the F1 antigen Caf1M-Caf1 chaperone-subunit pre-assembly complex from <i>Yersinia pestis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 359-362.	2.5	10
32	Structure and Biogenesis of the Capsular F1 Antigen from <i>Yersinia pestis</i> . <i>Cell</i> , 2003, 113, 587-596.	28.9	238
33	Donor strand complementation mechanism in the biogenesis of non-pilus systems. <i>Molecular Microbiology</i> , 2002, 45, 983-995.	2.5	65
34	A Posttermination Ribosomal Complex Is the Guanine Nucleotide Exchange Factor for Peptide Release Factor RF3. <i>Cell</i> , 2001, 107, 115-124.	28.9	186
35	Secretion of Recombinant Proteins via the Chaperone/Usher Pathway in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2001, 67, 1805-1814.	3.1	17
36	Novel fusion proteins in the analysis of diabetes-associated autoantibodies to GAD65 and IA-2. <i>Journal of Immunological Methods</i> , 2000, 246, 91-96.	1.4	7

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37	Structural and Functional Significance of the FGL Sequence of the Periplasmic Chaperone Caf1M of <i>Yersinia pestis</i> . Journal of Bacteriology, 1999, 181, 2422-2429.	2.2	30
38	Thiol/disulfide exchange between small heat shock protein 25 and glutathione. BBA - Proteins and Proteomics, 1998, 1388, 123-132.	2.1	28
39	The effect of the intersubunit disulfide bond on the structural and functional properties of the small heat shock protein Hsp25. International Journal of Biological Macromolecules, 1998, 22, 163-173.	7.5	55
40	Influence of the conserved disulphide bond, exposed to the putative binding pocket, on the structure and function of the immunoglobulin-like molecular chaperone Caf1M of <i>Yersinia pestis</i> . Biochemical Journal, 1997, 324, 571-578.	3.7	44