

Esther Bullitt

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,421
citations

236925

25
h-index

223800

46
g-index

117
all docs

117
docs citations

117
times ranked

3346
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 Infection of Pluripotent Stem Cell-Derived Human Lung Alveolar Type 2 Cells Elicits a Rapid Epithelial-Intrinsic Inflammatory Response. <i>Cell Stem Cell</i> , 2020, 27, 962-973.e7.	11.1	266
2	Structural polymorphism of bacterial adhesion pili. <i>Nature</i> , 1995, 373, 164-167.	27.8	212
3	Visualization and Functional Analysis of RNA-Dependent RNA Polymerase Lattices. <i>Science</i> , 2002, 296, 2218-2222.	12.6	156
4	Outbreak of Necrotizing Enterocolitis Caused by Norovirus in a Neonatal Intensive Care Unit. <i>Journal of Pediatrics</i> , 2008, 153, 339-344.	1.8	133
5	Cryo-EM reveals the structural basis of long-range electron transport in a cytochrome-based bacterial nanowire. <i>Communications Biology</i> , 2019, 2, 219.	4.4	120
6	Structure of Flexible Filamentous Plant Viruses. <i>Journal of Virology</i> , 2008, 82, 9546-9554.	3.4	98
7	Actionable Cytopathogenic Host Responses of Human Alveolar Type 2 Cells to SARS-CoV-2. <i>Molecular Cell</i> , 2020, 80, 1104-1122.e9.	9.7	94
8	Structure of CFA/I fimbriae from enterotoxigenic <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10793-10798.	7.1	84
9	Evidence for a "Wattle and Daub" Model of the Cyst Wall of <i>Entamoeba</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000498.	4.7	75
10	The Bacterial Fimbrial Tip Acts as a Mechanical Force Sensor. <i>PLoS Biology</i> , 2011, 9, e1000617.	5.6	72
11	Ultrastructural Analysis of IpaD at the Tip of the Nascent MxiH Type III Secretion Apparatus of <i>Shigella flexneri</i> . <i>Journal of Molecular Biology</i> , 2012, 420, 29-39.	4.2	70
12	Donor strand complementation governs intersubunit interaction of fimbriae of the alternate chaperone pathway. <i>Molecular Microbiology</i> , 2007, 63, 1372-1384.	2.5	68
13	Structure and assembly of P-pili: A protruding hinge region used for assembly of a bacterial adhesion filament. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9861-9866.	7.1	66
14	Crystal Structure of the P Pilus Rod Subunit PapA. <i>PLoS Pathogens</i> , 2007, 3, e73.	4.7	54
15	Enzymatic and nonenzymatic functions of viral RNA-dependent RNA polymerases within oligomeric arrays. <i>Rna</i> , 2010, 16, 382-393.	3.5	51
16	Bacterial Adhesion Pili Are Heterologous Assemblies of Similar Subunits. <i>Biophysical Journal</i> , 1998, 74, 623-632.	0.5	46
17	Structure of the DNA-SspC Complex: Implications for DNA Packaging, Protection, and Repair in Bacterial Spores. <i>Journal of Bacteriology</i> , 2004, 186, 3525-3530.	2.2	43
18	<i>Giardia</i> Cyst Wall Protein 1 Is a Lectin That Binds to Curled Fibrils of the GalNAc Homopolymer. <i>PLoS Pathogens</i> , 2010, 6, e1001059.	4.7	43

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19	Cryo-EM and Molecular Docking Shows Myosin Loop 4 Contacts Actin and Tropomyosin on Thin Filaments. <i>Biophysical Journal</i> , 2020, 119, 821-830.	0.5	41
20	A Structural Basis for Sustained Bacterial Adhesion: Biomechanical Properties of CFA/I Pili. <i>Journal of Molecular Biology</i> , 2012, 415, 918-928.	4.2	39
21	Zika virus induced cellular remodelling. <i>Cellular Microbiology</i> , 2017, 19, e12740.	2.1	37
22	Î²-1,3-Glucan, Which Can Be Targeted by Drugs, Forms a Trabecular Scaffold in the Oocyst Walls of <i>Toxoplasma</i> and <i>Eimeria</i> . <i>MBio</i> , 2012, 3, .	4.1	36
23	The Three-Dimensional Structure of CFA/I Adhesion Pili: Traveler's Diarrhea Bacteria Hang on by a Spring. <i>Journal of Molecular Biology</i> , 2008, 376, 614-620.	4.2	34
24	Structure and Function of Hib Pili from <i>Haemophilus influenzae</i> Type b. <i>Journal of Bacteriology</i> , 2002, 184, 4868-4874.	2.2	30
25	The Physiological Molecular Shape of Spectrin: A Compact Supercoil Resembling a Chinese Finger Trap. <i>PLoS Computational Biology</i> , 2015, 11, e1004302.	3.2	30
26	Complexity and ultrastructure of infectious extracellular vesicles from cells infected by non-enveloped virus. <i>Scientific Reports</i> , 2020, 10, 7939.	3.3	26
27	Structure and function of enterotoxigenic <i>Escherichia coli</i> fimbriae from differing assembly pathways. <i>Molecular Microbiology</i> , 2015, 95, 116-126.	2.5	24
28	Defining Lipid-Interacting Domains in the N-Terminal Region of Apolipoprotein B. <i>Biochemistry</i> , 2006, 45, 11799-11808.	2.5	23
29	P-fimbriae in the presence of anti-PapA antibodies: new insight of antibodies action against pathogens. <i>Scientific Reports</i> , 2013, 3, 3393.	3.3	20
30	Biomechanical and Structural Features of CS2 Fimbriae of Enterotoxigenic <i>Escherichia coli</i> . <i>Biophysical Journal</i> , 2015, 109, 49-56.	0.5	20
31	Human Pluripotent Stem Cell-Derived Intestinal Organoids Model SARS-CoV-2 Infection Revealing a Common Epithelial Inflammatory Response. <i>Stem Cell Reports</i> , 2021, 16, 940-953.	4.8	20
32	Interstitial Contacts in an RNA-Dependent RNA Polymerase Lattice. <i>Journal of Molecular Biology</i> , 2011, 412, 737-750.	4.2	18
33	Bacterial Adhesion Pili. <i>Sub-Cellular Biochemistry</i> , 2018, 87, 1-18.	2.4	18
34	Human airway lineages derived from pluripotent stem cells reveal the epithelial responses to SARS-CoV-2 infection. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L462-L478.	2.9	17
35	Air-liquid interface culture promotes maturation and allows environmental exposure of pluripotent stem cell-derived alveolar epithelium. <i>JCI Insight</i> , 2022, 7, .	5.0	17
36	Electron Microscopy and X-ray Diffraction Studies of Lotus tetragonolobus A Isolectin Cross-linked with a Divalent Lewis X Oligosaccharide, an Oncofetal Antigen. <i>Journal of Biological Chemistry</i> , 1998, 273, 35016-35022.	3.4	16

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37	Double-membraned Liposomes Sculpted by Poliovirus 3AB Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 27287-27298.	3.4	16
38	Localization of a Critical Interface for Helical Rod Formation of Bacterial Adhesion P-pili. <i>Journal of Molecular Biology</i> , 2005, 346, 13-20.	4.2	15
39	Cryo-EM structure of the CFA/I pilus rod. <i>IUCr</i> , 2019, 6, 815-821.	2.2	15
40	Humanized mice reveal a macrophage-enriched gene signature defining human lung tissue protection during SARS-CoV-2 infection. <i>Cell Reports</i> , 2022, 39, 110714.	6.4	14
41	A Role for Salivary Peptides in the Innate Defense Against Enterotoxigenic <i>Escherichia coli</i> . <i>Journal of Infectious Diseases</i> , 2018, 217, 1435-1441.	4.0	13
42	Antibodies Damage the Resilience of Fimbriae, Causing Them To Be Stiff and Tangled. <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	12
43	Surface for Catalysis by Poliovirus RNA-Dependent RNA Polymerase. <i>Journal of Molecular Biology</i> , 2013, 425, 2529-2540.	4.2	11
44	Antibody-mediated disruption of the mechanics of CS20 fimbriae of enterotoxigenic <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2015, 5, 13678.	3.3	11
45	Recombinant Lloviu virus as a tool to study viral replication and host responses. <i>PLoS Pathogens</i> , 2022, 18, e1010268.	4.7	11
46	A yellow fever virus NS4B inhibitor not only suppresses viral replication, but also enhances the virus activation of RIG-I-like receptor-mediated innate immune response. <i>PLoS Pathogens</i> , 2022, 18, e1010271.	4.7	9
47	The Role of Electron Microscopy in Studying the Continuum of Changes in Membranous Structures during Poliovirus Infection. <i>Viruses</i> , 2015, 7, 5305-5318.	3.3	7
48	Impact of an alpha helix and a cysteine-cysteine disulfide bond on the resistance of bacterial adhesion pili to stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	6
49	CRISPR interference interrogation of COPD GWAS genes reveals the functional significance of desmoplakin in iPSC-derived alveolar epithelial cells. <i>Science Advances</i> , 2022, 8, .	10.3	6
50	A drag force interpolation model for capsule-shaped cells in fluid flows near a surface. <i>Microbiology (United Kingdom)</i> , 2018, 164, 483-494.	1.8	4
51	Flexible filamentous virus structures from fiber diffraction. <i>Powder Diffraction</i> , 2008, 23, 113-117.	0.2	3
52	Lipoprotein Z, a hepatotoxic lipoprotein, predicts outcome in alcohol-associated hepatitis. <i>Hepatology</i> , 2022, 75, 968-982.	7.3	3
53	Unveiling molecular interactions that stabilize bacterial adhesion pili. <i>Biophysical Journal</i> , 2022, 121, 2096-2106.	0.5	2
54	Corrigendum to "Surface for Catalysis by Poliovirus RNA-Dependent RNA Polymerase" [J. Mol. Biol. 425 (2013) 2529-2540]. <i>Journal of Molecular Biology</i> , 2014, 426, 2022.	4.2	0

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55	Adhesion Pili from Enterotoxigenic Escherichia coli Share Similar Biophysical Properties Despite Their Different Assembly Pathways. <i>Microscopy and Microanalysis</i> , 2015, 21, 915-916.	0.4	0
56	Cryo-electron Tomography Analysis of Infectious Extracellular Vesicles from a Non-enveloped RNA Virus. <i>Microscopy and Microanalysis</i> , 2017, 23, 1222-1223.	0.4	0
57	Gina Sosinsky - Excellence in Science, Scholarship, and Humanity. <i>Microscopy and Microanalysis</i> , 2017, 23, 1100-1101.	0.4	0
58	Inhibition of bacterial binding through dysfunction of bacterial adhesion pili. <i>Microscopy and Microanalysis</i> , 2021, 27, 828-831.	0.4	0