

Rebecca F Thompson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4433054/publications.pdf>

Version: 2024-02-01

27
papers

1,204
citations

448610

19
h-index

591227

27
g-index

31
all docs

31
docs citations

31
times ranked

2497
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher-order structures of the foot-and-mouth disease virus RNA-dependent RNA polymerase required for genome replication. <i>Communications Biology</i> , 2022, 5, 61.	2.0	6
2	Structures of <i>Rhodospseudomonas palustris</i> RC-LH1 complexes with open or closed quinone channels. <i>Science Advances</i> , 2021, 7, .	4.7	38
3	Single Particle Cryo-Electron Microscopy: From Sample to Structure. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	1
4	Cryo-EM structures of an insecticidal Bt toxin reveal its mechanism of action on the membrane. <i>Nature Communications</i> , 2021, 12, 2791.	5.8	28
5	Structure of the TELO2-TTI1-TTI2 complex and its function in TOR recruitment to the R2TP chaperone. <i>Cell Reports</i> , 2021, 36, 109317.	2.9	20
6	Exploring the Effect of Structure-Based Scaffold Hopping on the Inhibition of Coxsackievirus A24v Transduction by Pentavalent N-Acetylneuraminic Acid Conjugates. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8418.	1.8	2
7	Need for Speed: Examining Protein Behavior during CryoEM Grid Preparation at Different Timescales. <i>Structure</i> , 2020, 28, 1238-1248.e4.	1.6	61
8	Pentavalent Sialic Acid Conjugates Block Coxsackievirus A24 Variant and Human Adenovirus Type 37 Viruses That Cause Highly Contagious Eye Infections. <i>ACS Chemical Biology</i> , 2020, 15, 2683-2691.	1.6	12
9	Disordered protein-graphene oxide co-assembly and supramolecular biofabrication of functional fluidic devices. <i>Nature Communications</i> , 2020, 11, 1182.	5.8	42
10	Structure of the protective nematode protease complex H-gal-GP and its conservation across roundworm parasites. <i>PLoS Pathogens</i> , 2020, 16, e1008465.	2.1	15
11	Combining Transient Expression and Cryo-EM to Obtain High-Resolution Structures of Luteovirid Particles. <i>Structure</i> , 2019, 27, 1761-1770.e3.	1.6	23
12	Controlling aggregation of cholesterol-modified DNA nanostructures. <i>Nucleic Acids Research</i> , 2019, 47, 11441-11451.	6.5	60
13	Cryo-EM structure of the spinach cytochrome b6-f complex at 3.6 Å resolution. <i>Nature</i> , 2019, 575, 535-539.	6.5	83
14	Directed Assembly of Homopentameric Cholera Toxin B-Subunit Proteins into Higher-Order Structures Using Coiled-Coil Appendages. <i>Journal of the American Chemical Society</i> , 2019, 141, 5211-5219.	6.6	18
15	Hydroxyl-rich macromolecules enable the bio-inspired synthesis of single crystal nanocomposites. <i>Nature Communications</i> , 2019, 10, 5682.	5.8	43
16	Collection, pre-processing and on-the-fly analysis of data for high-resolution, single-particle cryo-electron microscopy. <i>Nature Protocols</i> , 2019, 14, 100-118.	5.5	72
17	Variations on Negative Stain Electron Microscopy Methods: Tools for Tackling Challenging Systems. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	62
18	Approaches to altering particle distributions in cryo-electron microscopy sample preparation. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 560-571.	1.1	108

#	ARTICLE	IF	CITATIONS
19	HBV RNA pre-genome encodes specific motifs that mediate interactions with the viral core protein that promote nucleocapsid assembly. <i>Nature Microbiology</i> , 2017, 2, 17098.	5.9	69
20	The structures of a naturally empty cowpea mosaic virus particle and its genome-containing counterpart by cryo-electron microscopy. <i>Scientific Reports</i> , 2017, 7, 539.	1.6	20
21	An introduction to sample preparation and imaging by cryo-electron microscopy for structural biology. <i>Methods</i> , 2016, 100, 3-15.	1.9	178
22	New Structural Insights into the Genome and Minor Capsid Proteins of BK Polyomavirus using Cryo-Electron Microscopy. <i>Structure</i> , 2016, 24, 528-536.	1.6	47
23	In situ formation of magnetopolymersomes via electroporation for MRI. <i>Scientific Reports</i> , 2015, 5, 14311.	1.6	18
24	Mechanisms of assembly and genome packaging in an RNA virus revealed by high-resolution cryo-EM. <i>Nature Communications</i> , 2015, 6, 10113.	5.8	57
25	Directed evolution of GFP with non-natural amino acids identifies residues for augmenting and photoswitching fluorescence. <i>Chemical Science</i> , 2015, 6, 1159-1166.	3.7	22
26	Î²2-Microglobulin Amyloid Fibril-Induced Membrane Disruption Is Enhanced by Endosomal Lipids and Acidic pH. <i>PLoS ONE</i> , 2014, 9, e104492.	1.1	30
27	The Asymmetric Structure of an Icosahedral Virus Bound to Its Receptor Suggests a Mechanism for Genome Release. <i>Structure</i> , 2013, 21, 1225-1234.	1.6	61