

Chuan Xiao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/765623/publications.pdf>

Version: 2024-02-01

43
papers

2,200
citations

361045

20
h-index

377514

34
g-index

44
all docs

44
docs citations

44
times ranked

3178
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Tape Measure Protein in Nucleocytoplasmic Large DNA Virus Capsid Assembly. <i>Viral Immunology</i> , 2021, 34, 41-48.	0.6	5
2	In Memory of Michael G. Rossmann: A Wise Man with a Forever Young Heart. <i>Viruses</i> , 2021, 13, 1305.	1.5	0
3	Structural Studies of Giant Viruses by Michael Rossmann. <i>Microscopy and Microanalysis</i> , 2021, 27, 1878-1879.	0.2	0
4	Structural and Proteomic Studies of the <i>Aureococcus anophagefferens</i> Virus Demonstrate a Global Distribution of Virus-Encoded Carbohydrate Processing. <i>Frontiers in Microbiology</i> , 2020, 11, 2047.	1.5	5
5	Current capsid assembly models of icosahedral nucleocytoviricota viruses. <i>Advances in Virus Research</i> , 2020, 108, 275-313.	0.9	5
6	Emergence of SARS-CoV-2 through recombination and strong purifying selection. <i>Science Advances</i> , 2020, 6, .	4.7	307
7	The Structure of ASFV Advances the Fight against the Disease. <i>Trends in Biochemical Sciences</i> , 2020, 45, 276-278.	3.7	21
8	HIV-1 did not contribute to the 2019-nCoV genome. <i>Emerging Microbes and Infections</i> , 2020, 9, 378-381.	3.0	38
9	Thermal stability analyses of human PERIOD-2 C-terminal domain using dynamic light scattering and circular dichroism. <i>PLoS ONE</i> , 2020, 15, e0221180.	1.1	0
10	Effects of membrane lipid composition on <i>Mycobacterium tuberculosis</i> EsxA membrane insertion: A dual play of fluidity and charge. <i>Tuberculosis</i> , 2019, 118, 101854.	0.8	15
11	Michael G. Rossmann (1930–2019). <i>Structure</i> , 2019, 27, 1347-1349.	1.6	1
12	The Roles of Electrostatic Interactions in Capsid Assembly Mechanisms of Giant Viruses. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1876.	1.8	37
13	<i>Cylindrospermopsis raciborskii</i> Virus and host: genomic characterization and ecological relevance. <i>Environmental Microbiology</i> , 2019, 21, 1942-1956.	1.8	16
14	Hybrid algorithm based on radial symmetry and weighted least-square ellipse fitting for three-dimensional nanometer particle localization. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	0
15	Expression and Purification of human Neuronal PAS domain protein 2 (hNPAS2). <i>FASEB Journal</i> , 2018, 32, 526.15.	0.2	0
16	Cryo-EM reconstruction of the <i>Cafeteria roenbergensis</i> virus capsid suggests novel assembly pathway for giant viruses. <i>Scientific Reports</i> , 2017, 7, 5484.	1.6	41
17	A fully-automated multiscale kernel graph cuts based particle localization scheme for temporal focusing two-photon microscopy. , 2017, 10137, .		0
18	Two-photon flow cytometer with laser scanning Bessel beams. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	A novel Kalman filter based video image processing scheme for two-photon fluorescence microscopy. , 2016, , .		0
20	A fully battery-powered inexpensive spectrophotometric system for high-sensitivity point-of-care analysis on a microfluidic chip. Analyst, The, 2016, 141, 3898-3903.	1.7	20
21	The Disulfide Bond Cys255-Cys279 in the Immunoglobulin-Like Domain of Anthrax Toxin Receptor 2 Is Required for Membrane Insertion of Anthrax Protective Antigen Pore. PLoS ONE, 2015, 10, e0130832.	1.1	8
22	Sialic acid-dependent cell entry of human enterovirus D68. Nature Communications, 2015, 6, 8865.	5.8	101
23	Expression and in vitro functional analyses of recombinant Gam1 protein. Protein Expression and Purification, 2015, 105, 47-53.	0.6	2
24	Imaging marine virusCroVand its hostCafeteria roenbergensiswith two-photon microscopy. , 2014, , .		0
25	Imaging cytosolic translocation of Mycobacteria with two-photon fluorescence resonance energy transfer microscopy. Biomedical Optics Express, 2014, 5, 3990.	1.5	29
26	Expression and purification of the functional ectodomain of human anthrax toxin receptor 2 in Escherichia coli Origami B cells with assistance of bacterial Trigger Factor. Protein Expression and Purification, 2014, 95, 149-155.	0.6	12
27	Structures of giant icosahedral eukaryotic dsDNA viruses. Current Opinion in Virology, 2011, 1, 101-109.	2.6	32
28	Hsp90 can Accommodate the Simultaneous Binding of the FKBP52 and HOP Proteins. Oncotarget, 2011, 2, 43-58.	0.8	36
29	High-yield expression and purification of the Hsp90-associated p23, FKBP52, HOP and SGT1± proteins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 2760-2764.	1.2	5
30	Atomic force microscopy investigation of the giant mimivirus. Virology, 2010, 404, 127-137.	1.1	73
31	The Three-Dimensional Structure of Mimivirus. Intervirology, 2010, 53, 268-273.	1.2	58
32	Structural Studies of the Giant Mimivirus. PLoS Biology, 2009, 7, e1000092.	2.6	209
33	An icosahedral algal virus has a complex unique vertex decorated by a spike. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11085-11089.	3.3	75
34	Distinct DNA Exit and Packaging Portals in the Virus Acanthamoeba polyphaga mimivirus. PLoS Biology, 2008, 6, e114.	2.6	156
35	Asymmetric binding of transferrin receptor to parvovirus capsids. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6585-6589.	3.3	78
36	Interpretation of electron density with stereographic roadmap projections. Journal of Structural Biology, 2007, 158, 182-187.	1.3	133

#	ARTICLE	IF	CITATIONS
37	From structure of the complex to understanding of the biology. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007, 63, 9-16.	2.5	17
38	Cryo-EM Reconstruction of Dengue Virus in Complex with the Carbohydrate Recognition Domain of DC-SIGN. <i>Cell</i> , 2006, 124, 485-493.	13.5	277
39	The Crystal Structure of Coxsackievirus A21 and Its Interaction with ICAM-1. <i>Structure</i> , 2005, 13, 1019-1033.	1.6	76
40	Cryo-electron Microscopy of the Giant Mimivirus. <i>Journal of Molecular Biology</i> , 2005, 353, 493-496.	2.0	130
41	Discrimination among Rhinovirus Serotypes for a Variant ICAM-1 Receptor Molecule. <i>Journal of Virology</i> , 2004, 78, 10034-10044.	1.5	20
42	Interaction of Coxsackievirus A21 with Its Cellular Receptor, ICAM-1. <i>Journal of Virology</i> , 2001, 75, 2444-2451.	1.5	78
43	A Novel Calmodulin-like Protein Gene in Rice Which Has an Unusual Prolonged C-terminal Sequence Carrying a Putative Prenylation Site. <i>DNA Research</i> , 1999, 6, 179-181.	1.5	25