

# Chuan Xiao

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

2,200  
citations

361296

20  
h-index

377752

34  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3178  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergence of SARS-CoV-2 through recombination and strong purifying selection. <i>Science Advances</i> , 2020, 6, .	4.7	307
2	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
3	Structural Studies of the Giant Mimivirus. <i>PLoS Biology</i> , 2009, 7, e1000092.	2.6	209
4	Distinct DNA Exit and Packaging Portals in the Virus <i>Acanthamoeba polyphaga mimivirus</i> . <i>PLoS Biology</i> , 2008, 6, e114.	2.6	156
5	Interpretation of electron density with stereographic roadmap projections. <i>Journal of Structural Biology</i> , 2007, 158, 182-187.	1.3	133
6	Cryo-electron Microscopy of the Giant Mimivirus. <i>Journal of Molecular Biology</i> , 2005, 353, 493-496.	2.0	130
7	Sialic acid-dependent cell entry of human enterovirus D68. <i>Nature Communications</i> , 2015, 6, 8865.	5.8	101
8	Interaction of Coxsackievirus A21 with Its Cellular Receptor, ICAM-1. <i>Journal of Virology</i> , 2001, 75, 2444-2451.	1.5	78
9	Asymmetric binding of transferrin receptor to parvovirus capsids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6585-6589.	3.3	78
10	The Crystal Structure of Coxsackievirus A21 and Its Interaction with ICAM-1. <i>Structure</i> , 2005, 13, 1019-1033.	1.6	76
11	An icosahedral algal virus has a complex unique vertex decorated by a spike. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11085-11089.	3.3	75
12	Atomic force microscopy investigation of the giant mimivirus. <i>Virology</i> , 2010, 404, 127-137.	1.1	73
13	The Three-Dimensional Structure of Mimivirus. <i>Intervirology</i> , 2010, 53, 268-273.	1.2	58
14	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
15	HIV-1 did not contribute to the 2019-nCoV genome. <i>Emerging Microbes and Infections</i> , 2020, 9, 378-381.	3.0	38
16	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
17	Hsp90 can Accommodate the Simultaneous Binding of the FKBP52 and HOP Proteins. <i>Oncotarget</i> , 2011, 2, 43-58.	0.8	36
18	Structures of giant icosahedral eukaryotic dsDNA viruses. <i>Current Opinion in Virology</i> , 2011, 1, 101-109.	2.6	32

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19	Imaging cytosolic translocation of Mycobacteria with two-photon fluorescence resonance energy transfer microscopy. <i>Biomedical Optics Express</i> , 2014, 5, 3990.	1.5	29
20	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
21	The Structure of ASFV Advances the Fight against the Disease. <i>Trends in Biochemical Sciences</i> , 2020, 45, 276-278.	3.7	21
22	Discrimination among Rhinovirus Serotypes for a Variant ICAM-1 Receptor Molecule. <i>Journal of Virology</i> , 2004, 78, 10034-10044.	1.5	20
23	A fully battery-powered inexpensive spectrophotometric system for high-sensitivity point-of-care analysis on a microfluidic chip. <i>Analyst</i> , 2016, 141, 3898-3903.	1.7	20
24	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
25	<i>Cylindrospermopsis raciborskii</i> Virus and host: genomic characterization and ecological relevance. <i>Environmental Microbiology</i> , 2019, 21, 1942-1956.	1.8	16
26	Effects of membrane lipid composition on Mycobacterium tuberculosis EsxA membrane insertion: A dual play of fluidity and charge. <i>Tuberculosis</i> , 2019, 118, 101854.	0.8	15
27	Expression and purification of the functional ectodomain of human anthrax toxin receptor 2 in <i>Escherichia coli</i> Origami B cells with assistance of bacterial Trigger Factor. <i>Protein Expression and Purification</i> , 2014, 95, 149-155.	0.6	12
28	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. <i>PLoS ONE</i> , 2015, 10, e0130832.	1.1	8
29	High-yield expression and purification of the Hsp90-associated p23, FKBP52, HOP and SGT1± proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2760-2764.	1.2	5
30	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
31	Current capsid assembly models of icosahedral nucleocytoviricota viruses. <i>Advances in Virus Research</i> , 2020, 108, 275-313.	0.9	5
32	The Role of Tape Measure Protein in Nucleocytoplasmic Large DNA Virus Capsid Assembly. <i>Viral Immunology</i> , 2021, 34, 41-48.	0.6	5
33	Expression and in vitro functional analyses of recombinant Gam1 protein. <i>Protein Expression and Purification</i> , 2015, 105, 47-53.	0.6	2
34	Michael G. Rossmann (1930–2019). <i>Structure</i> , 2019, 27, 1347-1349.	1.6	1
35	Imaging marine virus CroV and its host <i>Cafeteria roenbergensis</i> with two-photon microscopy. , 2014, , .		0
36	Two-photon flow cytometer with laser scanning Bessel beams. , 2016, , .		0

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37	A novel Kalman filter based video image processing scheme for two-photon fluorescence microscopy. , 2016, , .		0
38	Thermal stability analyses of human PERIOD-2 C-terminal domain using dynamic light scattering and circular dichroism. PLoS ONE, 2020, 15, e0221180.	1.1	0
39	In Memory of Michael G. Rossmann: A Wise Man with a Forever Young Heart. Viruses, 2021, 13, 1305.	1.5	0
40	Structural Studies of Giant Viruses by Michael Rossmann. Microscopy and Microanalysis, 2021, 27, 1878-1879.	0.2	0
41	A fully-automated multiscale kernel graph cuts based particle localization scheme for temporal focusing two-photon microscopy. , 2017, 10137, .		0
42	Hybrid algorithm based on radial symmetry and weighted least-square ellipse fitting for three-dimensional nanometer particle localization. Journal of Biomedical Optics, 2018, 23, 1.	1.4	0
43	Expression and Purification of human Neuronal PAS domain protein 2 (hNPAS2). FASEB Journal, 2018, 32, 526.15.	0.2	0