

Ye Xiang

List of Publications by Year in descending order

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59
papers

3,766
citations

172207

29
h-index

138251

58
g-index

60
all docs

60
docs citations

60
times ranked

6389
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryo-EM structure of the SARS coronavirus spike glycoprotein in complex with its host cell receptor ACE2. PLoS Pathogens, 2018, 14, e1007236.	2.1	716
2	Cryo-electron microscopy structures of the SARS-CoV spike glycoprotein reveal a prerequisite conformational state for receptor binding. Cell Research, 2017, 27, 119-129.	5.7	547
3	Structural changes of envelope proteins during alphavirus fusion. Nature, 2010, 468, 705-708.	13.7	263
4	Structural and molecular basis for Ebola virus neutralization by protective human antibodies. Science, 2016, 351, 1343-1346.	6.0	176
5	Structural analyses at pseudo atomic resolution of Chikungunya virus and antibodies show mechanisms of neutralization. ELife, 2013, 2, e00435.	2.8	129
6	Structural changes of bacteriophage ϕ 29 upon DNA packaging and release. EMBO Journal, 2006, 25, 5229-5239.	3.5	108
7	Cryo-EM structure of the bacteriophage T4 portal protein assembly at near-atomic resolution. Nature Communications, 2015, 6, 7548.	5.8	88
8	Structure and function of the small terminase component of the DNA packaging machine in T4-like bacteriophages. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 817-822.	3.3	87
9	Transmission-Blocking Antibodies against Mosquito C-Type Lectins for Dengue Prevention. PLoS Pathogens, 2014, 10, e1003931.	2.1	87
10	Two novel antifungal peptides distinct with a five-disulfide motif from the bark of <i>Eucommia ulmoides</i> Oliv. FEBS Letters, 2002, 521, 87-90.	1.3	80
11	Three-dimensional structure and function of the <i>Paramecium bursaria</i> chlorella virus capsid. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14837-14842.	3.3	80
12	Crystallographic Insights into the Autocatalytic Assembly Mechanism of a Bacteriophage Tail Spike. Molecular Cell, 2009, 34, 375-386.	4.5	79
13	Structure of Sputnik, a virophage, at 3.5-Å... resolution. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18431-18436.	3.3	73
14	Structure of the African swine fever virus major capsid protein p72. Cell Research, 2019, 29, 953-955.	5.7	70
15	Complex wireframe DNA nanostructures from simple building blocks. Nature Communications, 2019, 10, 1067.	5.8	63
16	Structural Biochemistry of a <i>Vibrio cholerae</i> Dinucleotide Cyclase Reveals Cyclase Activity Regulation by Folates. Molecular Cell, 2014, 55, 931-937.	4.5	62
17	Electron microscopy studies of the coronavirus ribonucleoprotein complex. Protein and Cell, 2017, 8, 219-224.	4.8	62
18	Crystal and cryoEM structural studies of a cell wall degrading enzyme in the bacteriophage ϕ 29 tail. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9552-9557.	3.3	53

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19	Structural Basis for the Tumor Cell Apoptosis-Inducing Activity of an Antitumor Lectin from the Edible Mushroom <i>Agrocybe aegerita</i> . <i>Journal of Molecular Biology</i> , 2009, 387, 694-705.	2.0	53
20	Potent neutralizing monoclonal antibodies against Ebola virus infection. <i>Scientific Reports</i> , 2016, 6, 25856.	1.6	46
21	Structural Mechanism Governing Cis and Trans Isomeric States and an Intramolecular Switch for Cis/Trans Isomerization of a Non-proline Peptide Bond Observed in Crystal Structures of Scorpion Toxins. <i>Journal of Molecular Biology</i> , 2004, 341, 1189-1204.	2.0	45
22	Structural assembly of the tailed bacteriophage ϕ 29. <i>Nature Communications</i> , 2019, 10, 2366.	5.8	44
23	Solution Structure of <i>Eucommia</i> Antifungal Peptide: A Novel Structural Model Distinct with a Five-Disulfide Motif. <i>Biochemistry</i> , 2004, 43, 6005-6012.	1.2	41
24	Crystal structure of a novel antifungal protein distinct with five disulfide bridges from <i>Eucommia ulmoides</i> Oliver at an atomic resolution. <i>Journal of Structural Biology</i> , 2004, 148, 86-97.	1.3	41
25	<i>Drosophila</i> Dicer-2 has an RNA interference-independent function that modulates Toll immune signaling. <i>Science Advances</i> , 2015, 1, e1500228.	4.7	41
26	Molecular Character of the Recombinant Antitumor Lectin from the Edible Mushroom <i>Agrocybe aegerita</i> . <i>Journal of Biochemistry</i> , 2005, 138, 145-150.	0.9	38
27	Spike Glycoprotein-Mediated Entry of SARS Coronaviruses. <i>Viruses</i> , 2020, 12, 1289.	1.5	35
28	Structure of bacteriophage ϕ 29 head fibers has a supercoiled triple repeating helix-turn-helix motif. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4806-4810.	3.3	34
29	The bacteriophage ϕ 29 tail possesses a pore-forming loop for cell membrane penetration. <i>Nature</i> , 2016, 534, 544-547.	13.7	33
30	Structural Analysis of Biomolecules through a Combination of Mobility Capillary Electrophoresis and Mass Spectrometry. <i>ACS Omega</i> , 2019, 4, 2377-2386.	1.6	30
31	Cryo-electron microscopy structure of the filamentous bacteriophage IKe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5493-5498.	3.3	29
32	Shared Catalysis in Virus Entry and Bacterial Cell Wall Depolymerization. <i>Journal of Molecular Biology</i> , 2009, 387, 607-618.	2.0	28
33	Structure of Venezuelan equine encephalitis virus with its receptor LDLRAD3. <i>Nature</i> , 2021, 598, 677-681.	13.7	25
34	Self-Assembly of Wireframe DNA Nanostructures from Junction Motifs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12123-12127.	7.2	24
35	Structural Basis for Neutralization and Protection by a Zika Virus-Specific Human Antibody. <i>Cell Reports</i> , 2019, 26, 3360-3368.e5.	2.9	24
36	Crystallization and preliminary crystallographic studies of the recombinant antitumour lectin from the edible mushroom <i>Agrocybe aegerita</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1751, 209-212.	1.1	23

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37	Structure and Function of a Chlorella Virus-Encoded Glycosyltransferase. <i>Structure</i> , 2007, 15, 1031-1039.	1.6	23
38	Biochemistry and structural studies of kynurenine 3- α -monooxygenase reveal allosteric inhibition by Ro 61-8048. <i>FASEB Journal</i> , 2018, 32, 2036-2045.	0.2	23
39	Optimizing protein crystal growth through dynamic seeding. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005, 61, 772-775.	2.5	21
40	Membrane Penetration by Bacterial Viruses. <i>Journal of Virology</i> , 2017, 91, .	1.5	21
41	Rapid 3-dimensional shape determination of globular proteins by mobility capillary electrophoresis and native mass spectrometry. <i>Chemical Science</i> , 2020, 11, 4758-4765.	3.7	20
42	Discovery of (1 <i>H</i> -Pyrazolo[3,4- <i>c</i>]pyridin-5-yl)sulfonamide Analogues as Hepatitis B Virus Capsid Assembly Modulators by Conformation Constraint. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6066-6089.	2.9	19
43	Structures of the tailed bacteriophages that infect Gram-positive bacteria. <i>Current Opinion in Virology</i> , 2020, 45, 65-74.	2.6	16
44	A simple and efficient innovation of the vapor-diffusion method for controlling nucleation and growth of large protein crystals. <i>Journal of Applied Crystallography</i> , 2001, 34, 388-391.	1.9	15
45	Discovery of New Hepatitis B Virus Capsid Assembly Modulators by an Optimal High-Throughput Cell-Based Assay. <i>ACS Infectious Diseases</i> , 2019, 5, 778-787.	1.8	15
46	Structural intermediates in the low pH-induced transition of influenza hemagglutinin. <i>PLoS Pathogens</i> , 2020, 16, e1009062.	2.1	15
47	A Retinol Derivative Inhibits SARS-CoV-2 Infection by Interrupting Spike-Mediated Cellular Entry. <i>MBio</i> , 2022, 13, .	1.8	14
48	Crystal structure of human SH3BGR1 protein: The first structure of the human SH3BGR family representing a novel class of thioredoxin fold proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 213-216.	1.5	13
49	Crystallization and Preliminary Crystallographic Studies of an Antitumour Lectin from the Edible Mushroom <i>Agrocybe aegerita</i> . <i>Protein and Peptide Letters</i> , 2005, 12, 705-707.	0.4	12
50	Multifunctional Roles of a Bacteriophage Φ 29 Morphogenetic Factor in Assembly and Infection. <i>Journal of Molecular Biology</i> , 2008, 378, 804-817.	2.0	12
51	Stabilized diverse HIV-1 envelope trimers for vaccine design. <i>Emerging Microbes and Infections</i> , 2020, 9, 775-786.	3.0	12
52	Purification, crystallization and preliminary X-ray diffraction analysis of a novel mannose-binding lectin from <i>Gastrodia elata</i> with antifungal properties. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1833-1835.	2.5	11
53	Structure of an excitatory insect-specific toxin with an analgesic effect on mammals from the scorpion <i>Buthus martensii</i> Karsch. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005, 61, 14-21.	2.5	11
54	Crystal Structure of a Virus-Encoded Putative Glycosyltransferase. <i>Journal of Virology</i> , 2010, 84, 12265-12273.	1.5	11

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55	Epitope-focused immunogens against the CD4-binding site of HIV-1 envelope protein induce neutralizing antibodies against auto- and heterologous viruses. <i>Journal of Biological Chemistry</i> , 2018, 293, 830-846.	1.6	11
56	Crystal structure of the copper homeostasis protein (CutCm) from <i>Shigella flexneri</i> at 1.7 Å resolution: The first structure of a new sequence family of TIM barrels. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 58, 764-768.	1.5	7
57	Crystallization and preliminary crystallographic studies of a novel antifungal protein with five disulfide bridges from <i>Eucommia ulmoides</i> Oliver. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1838-1840.	2.5	2
58	Surface morphology and kinetic properties in rapid growth of EAFP protein crystals investigated by atomic force microscopy. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005, 61, 826-831.	2.5	2
59	Crystallization and preliminary X-ray analysis of a depressant insect toxin from the scorpion <i>Buthus martensii</i> Karsch. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1313-1315.	2.5	1