Liang Tang

List of Publications by Year in descending order

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39	2,136	279798	302126
papers	citations	23 h-index	39 g-index

39	39	39	2050
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Structure of an Infectious P22 Virion Shows the Signal for Headful DNA Packaging. Science, 2006, 312, 1791-1795.	12.6	276
2	From The Cover: The structure of a thermophilic archaeal virus shows a double-stranded DNA viral capsid type that spans all domains of life. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7716-7720.	7.1	219
3	Structure of an archaeal virus capsid protein reveals a common ancestry to eukaryotic and bacterial viruses. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18944-18949.	7.1	169
4	The structure of pariacoto virus reveals a dodecahedral cage of duplex RNA. Nature Structural Biology, 2001, 8, 77-83.	9.7	157
5	Establishment of a Reverse Genetics System for Studying Human Bocavirus in Human Airway Epithelia. PLoS Pathogens, 2012, 8, e1002899.	4.7	137
6	Heterologous expression of the modified coat protein of Cowpea chlorotic mottle bromovirus results in the assembly of protein cages with altered architectures and function. Journal of General Virology, 2004, 85, 1049-1053.	2.9	96
7	Virus-Like Particles of a Fish Nodavirus Display a Capsid Subunit Domain Organization Different from That of Insect Nodaviruses. Journal of Virology, 2002, 76, 6370-6375.	3.4	80
8	Three-dimensional structure of the bacteriophage P22 tail machine. EMBO Journal, 2005, 24, 2087-2095.	7.8	76
9	The Structure of the Herpes Simplex Virus DNA-Packaging Terminase pUL15 Nuclease Domain Suggests an Evolutionary Lineage among Eukaryotic and Prokaryotic Viruses. Journal of Virology, 2013, 87, 7140-7148.	3.4	72
10	Crystal structure of the DNA-recognition component of the bacterial virus Sf6 genome-packaging machine. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1971-1976.	7.1	67
11	Characterization of Virus-like Particles Assembled in a Recombinant Baculovirus System Expressing the Capsid Protein of a Fish Nodavirus. Virology, 2001, 290, 50-58.	2.4	65
12	Structures of the phage Sf6 large terminase provide new insights into DNA translocation and cleavage. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8075-8080.	7.1	65
13	Highly Discriminatory Binding of Capsid-Cementing Proteins in Bacteriophage L. Structure, 2006, 14, 837-845.	3.3	58
14	Atomic cryo-EM structures of viruses. Current Opinion in Structural Biology, 2017, 46, 122-129.	5.7	55
15	Structural and electrostatic characterization of Pariacoto virus: Implications for viral assembly. Biopolymers, 2009, 91, 530-538.	2.4	54
16	Crystal structure of agkistrodotoxin, a phospholipase A2-type presynaptic neurotoxin from Agkistrodon halys pallas. Journal of Molecular Biology, 1998, 282, 1-11.	4.2	43
17	An algorithm for estimation and correction of anisotropic magnification distortion of cryo-EM images without need of pre-calibration. Journal of Structural Biology, 2016, 195, 207-215.	2.8	37
18	Heterologous RNA Encapsidated in Pariacoto Virus-Like Particles Forms a Dodecahedral Cage Similar to Genomic RNA in Wild-Type Virions. Journal of Virology, 2004, 78, 11371-11378.	3.4	34

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19	Generation of electricity from CO2 mineralization: Principle and realization. Science China Technological Sciences, 2014, 57, 2335-2343.	4.0	31
20	Characterization of the C-Terminal Nuclease Domain of Herpes Simplex Virus pUL15 as a Target of Nucleotidyltransferase Inhibitors. Biochemistry, 2016, 55, 809-819.	2.5	30
21	Using electrochemical process to mineralize CO2 and separate Ca2+/Mg2+ ions from hard water to produce high value-added carbonates. Environmental Earth Sciences, 2015, 73, 6881-6890.	2.7	28
22	Structural and Functional Studies of the Phage Sf6 Terminase Small Subunit Reveal a DNA-Spooling Device Facilitated by Structural Plasticity. Journal of Molecular Biology, 2012, 423, 413-426.	4.2	27
23	Structure of the NS1 Protein N-Terminal Origin Recognition/Nickase Domain from the Emerging Human Bocavirus. Journal of Virology, 2013, 87, 11487-11493.	3.4	26
24	Two distinct modes of metal ion binding in the nuclease active site of a viral DNA-packaging terminase: insight into the two-metal-ion catalytic mechanism. Nucleic Acids Research, 2015, 43, 11003-11016.	14.5	26
25	Structure of a headful DNA-packaging bacterial virus at 2.9 Ã... resolution by electron cryo-microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3601-3606.	7.1	26
26	Novel phosphorus-containing halogen-free ionic liquids: effect of sulfonate anion size on physical properties, biocompatibility, and flame retardancy. RSC Advances, 2016, 6, 52485-52494.	3.6	23
27	Structural Biology of Viruses by the Combination of Electron Cryomicroscopy and X-ray Crystallographyâ€. Biochemistry, 2002, 41, 11517-11524.	2.5	20
28	Structure of a Bacterial Virus DNA-Injection Protein Complex Reveals a Decameric Assembly with a Constricted Molecular Channel. PLoS ONE, 2016, 11, e0149337.	2.5	19
29	A Mutation in the DNA Polymerase Accessory Factor of Herpes Simplex Virus 1 Restores Viral DNA Replication in the Presence of Raltegravir. Journal of Virology, 2014, 88, 11121-11129.	3.4	17
30	Structures of minute virus of mice replication initiator protein N-terminal domain: Insights into DNA nicking and origin binding. Virology, 2015, 476, 61-71.	2.4	16
31	Feedstocks study on CO2 mineralization technology. Environmental Earth Sciences, 2016, 75, 1.	2.7	16
32	Enhancement of electricity generation in CO 2 mineralization cell by using sodium sulfate as the reaction medium. Applied Energy, 2017, 195, 991-999.	10.1	13
33	Sensitivity of the C-Terminal Nuclease Domain of Kaposi's Sarcoma-Associated Herpesvirus ORF29 to Two Classes of Active-Site Ligands. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	13
34	The host outer membrane proteins OmpA and OmpC are associated with the Shigella phage Sf6 virion. Virology, 2011, 409, 319-327.	2.4	12
35	Thermodynamics study on the generation of electricity via CO2-mineralization cell. Environmental Earth Sciences, 2015, 74, 6481-6488.	2.7	12
36	High-resolution structure of podovirus tail adaptor suggests repositioning of an octad motif that mediates the sequential tail assembly. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 313-318.	7.1	10

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37	Structure of agkistrodotoxin in an orthorhombic crystal form with six molecules per asymmetric unit. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 1986-1996.	2.5	5
38	DFT study of the carbonation on mineral aerosol surface models of olivine: effect of water. Environmental Earth Sciences, 2017, 76, 1.	2.7	5
39	Non-crystallographic symmetry of crystal of neutral phospholipase A2 fromAgkistrodon halys Pallas. Science in China Series C: Life Sciences, 1997, 40, 481-487.	1.3	1