

Liang Tang

List of Publications by Year in descending order

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39
papers

2,136
citations

279487

23
h-index

301761

39
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all docs

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docs citations

39
times ranked

2050
citing authors

#	ARTICLE	IF	CITATIONS
1	The Structure of an Infectious P22 Virion Shows the Signal for Headful DNA Packaging. <i>Science</i> , 2006, 312, 1791-1795.	6.0	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7716-7720.	3.3	219
3	Structure of an archaeal virus capsid protein reveals a common ancestry to eukaryotic and bacterial viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18944-18949.	3.3	169
4	The structure of pariacoto virus reveals a dodecahedral cage of duplex RNA. <i>Nature Structural Biology</i> , 2001, 8, 77-83.	9.7	157
5	Establishment of a Reverse Genetics System for Studying Human Bocavirus in Human Airway Epithelia. <i>PLoS Pathogens</i> , 2012, 8, e1002899.	2.1	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. <i>Journal of General Virology</i> , 2004, 85, 1049-1053.	1.3	96
7	Virus-Like Particles of a Fish Nodavirus Display a Capsid Subunit Domain Organization Different from That of Insect Nodaviruses. <i>Journal of Virology</i> , 2002, 76, 6370-6375.	1.5	80
8	Three-dimensional structure of the bacteriophage P22 tail machine. <i>EMBO Journal</i> , 2005, 24, 2087-2095.	3.5	76
9	The Structure of the Herpes Simplex Virus DNA-Packaging Terminase pUL15 Nuclease Domain Suggests an Evolutionary Lineage among Eukaryotic and Prokaryotic Viruses. <i>Journal of Virology</i> , 2013, 87, 7140-7148.	1.5	72
10	Crystal structure of the DNA-recognition component of the bacterial virus Sf6 genome-packaging machine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1971-1976.	3.3	67
11	Characterization of Virus-like Particles Assembled in a Recombinant Baculovirus System Expressing the Capsid Protein of a Fish Nodavirus. <i>Virology</i> , 2001, 290, 50-58.	1.1	65
12	Structures of the phage Sf6 large terminase provide new insights into DNA translocation and cleavage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8075-8080.	3.3	65
13	Highly Discriminatory Binding of Capsid-Cementing Proteins in Bacteriophage L. <i>Structure</i> , 2006, 14, 837-845.	1.6	58
14	Atomic cryo-EM structures of viruses. <i>Current Opinion in Structural Biology</i> , 2017, 46, 122-129.	2.6	55
15	Structural and electrostatic characterization of Pariacoto virus: Implications for viral assembly. <i>Biopolymers</i> , 2009, 91, 530-538.	1.2	54
16	Crystal structure of agkistrodotoxin, a phospholipase A2-type presynaptic neurotoxin from <i>Agkistrodon halys pallas</i> . <i>Journal of Molecular Biology</i> , 1998, 282, 1-11.	2.0	43
17	An algorithm for estimation and correction of anisotropic magnification distortion of cryo-EM images without need of pre-calibration. <i>Journal of Structural Biology</i> , 2016, 195, 207-215.	1.3	37
18	Heterologous RNA Encapsidated in Pariacoto Virus-Like Particles Forms a Dodecahedral Cage Similar to Genomic RNA in Wild-Type Virions. <i>Journal of Virology</i> , 2004, 78, 11371-11378.	1.5	34

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19	Generation of electricity from CO ₂ mineralization: Principle and realization. <i>Science China Technological Sciences</i> , 2014, 57, 2335-2343.	2.0	31
20	Characterization of the C-Terminal Nuclease Domain of Herpes Simplex Virus pUL15 as a Target of Nucleotidyltransferase Inhibitors. <i>Biochemistry</i> , 2016, 55, 809-819.	1.2	30
21	Using electrochemical process to mineralize CO ₂ and separate Ca ²⁺ /Mg ²⁺ ions from hard water to produce high value-added carbonates. <i>Environmental Earth Sciences</i> , 2015, 73, 6881-6890.	1.3	28
22	Structural and Functional Studies of the Phage Sf6 Terminase Small Subunit Reveal a DNA-Spooling Device Facilitated by Structural Plasticity. <i>Journal of Molecular Biology</i> , 2012, 423, 413-426.	2.0	27
23	Structure of the NS1 Protein N-Terminal Origin Recognition/Nickase Domain from the Emerging Human Bocavirus. <i>Journal of Virology</i> , 2013, 87, 11487-11493.	1.5	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. <i>Nucleic Acids Research</i> , 2015, 43, 11003-11016.	6.5	26
25	Structure of a headful DNA-packaging bacterial virus at 2.9 Å... resolution by electron cryo-microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3601-3606.	3.3	26
26	Novel phosphorus-containing halogen-free ionic liquids: effect of sulfonate anion size on physical properties, biocompatibility, and flame retardancy. <i>RSC Advances</i> , 2016, 6, 52485-52494.	1.7	23
27	Structural Biology of Viruses by the Combination of Electron Cryomicroscopy and X-ray Crystallography. <i>Biochemistry</i> , 2002, 41, 11517-11524.	1.2	20
28	Structure of a Bacterial Virus DNA-Injection Protein Complex Reveals a Decameric Assembly with a Constricted Molecular Channel. <i>PLoS ONE</i> , 2016, 11, e0149337.	1.1	19
29	A Mutation in the DNA Polymerase Accessory Factor of Herpes Simplex Virus 1 Restores Viral DNA Replication in the Presence of Raltegravir. <i>Journal of Virology</i> , 2014, 88, 11121-11129.	1.5	17
30	Structures of minute virus of mice replication initiator protein N-terminal domain: Insights into DNA nicking and origin binding. <i>Virology</i> , 2015, 476, 61-71.	1.1	16
31	Feedstocks study on CO ₂ mineralization technology. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	16
32	Enhancement of electricity generation in CO ₂ mineralization cell by using sodium sulfate as the reaction medium. <i>Applied Energy</i> , 2017, 195, 991-999.	5.1	13
33	Sensitivity of the C-Terminal Nuclease Domain of Kaposi's Sarcoma-Associated Herpesvirus ORF29 to Two Classes of Active-Site Ligands. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	13
34	The host outer membrane proteins OmpA and OmpC are associated with the Shigella phage Sf6 virion. <i>Virology</i> , 2011, 409, 319-327.	1.1	12
35	Thermodynamics study on the generation of electricity via CO ₂ -mineralization cell. <i>Environmental Earth Sciences</i> , 2015, 74, 6481-6488.	1.3	12
36	High-resolution structure of podovirus tail adaptor suggests repositioning of an octad motif that mediates the sequential tail assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 313-318.	3.3	10

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