

Liang Tang

List of Publications by Year in descending order

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39
papers

2,136
citations

279798

23
h-index

302126

39
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39
docs citations

39
times ranked

2050
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	7.1	10
2	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, .	3.2	13
3	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.	10.1	13
4	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.	7.1	26
5	DFT study of the carbonation on mineral aerosol surface models of olivine: effect of water. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	5
6	Atomic cryo-EM structures of viruses. <i>Current Opinion in Structural Biology</i> , 2017, 46, 122-129.	5.7	55
7	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.	3.6	23
8	Feedstocks study on CO ₂ mineralization technology. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	16
9	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.	2.8	37
10	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.	2.5	30
11	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.	2.5	19
12	Thermodynamics study on the generation of electricity via CO ₂ -mineralization cell. <i>Environmental Earth Sciences</i> , 2015, 74, 6481-6488.	2.7	12
13	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.	2.7	28
14	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.	14.5	26
15	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.	2.4	16
16	Generation of electricity from CO ₂ mineralization: Principle and realization. <i>Science China Technological Sciences</i> , 2014, 57, 2335-2343.	4.0	31
17	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.	3.4	17
18	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.	3.4	26

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19	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.	3.4	72
20	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.	7.1	65
21	Establishment of a Reverse Genetics System for Studying Human Bocavirus in Human Airway Epithelia. <i>PLoS Pathogens</i> , 2012, 8, e1002899.	4.7	137
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.	4.2	27
23	The host outer membrane proteins OmpA and OmpC are associated with the Shigella phage Sf6 virion. <i>Virology</i> , 2011, 409, 319-327.	2.4	12
24	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.	7.1	67
25	Structural and electrostatic characterization of Pariacoto virus: Implications for viral assembly. <i>Biopolymers</i> , 2009, 91, 530-538.	2.4	54
26	Highly Discriminatory Binding of Capsid-Cementing Proteins in Bacteriophage L. <i>Structure</i> , 2006, 14, 837-845.	3.3	58
27	The Structure of an Infectious P22 Virion Shows the Signal for Headful DNA Packaging. <i>Science</i> , 2006, 312, 1791-1795.	12.6	276
28	Three-dimensional structure of the bacteriophage P22 tail machine. <i>EMBO Journal</i> , 2005, 24, 2087-2095.	7.8	76
29	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.	7.1	169
30	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.	7.1	219
31	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.	3.4	34
32	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.	2.9	96
33	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.	3.4	80
34	Structural Biology of Viruses by the Combination of Electron Cryomicroscopy and X-ray Crystallography. <i>Biochemistry</i> , 2002, 41, 11517-11524.	2.5	20
35	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.	2.4	65
36	The structure of pariacoto virus reveals a dodecahedral cage of duplex RNA. <i>Nature Structural Biology</i> , 2001, 8, 77-83.	9.7	157

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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	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.	4.2	43
39	Non-crystallographic symmetry of crystal of neutral phospholipase A2 from <i>Agkistrodon halys Pallas</i> . <i>Science in China Series C: Life Sciences</i> , 1997, 40, 481-487.	1.3	1