

Wei Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,860
citations

236925

25
h-index

197818

49
g-index

72
all docs

72
docs citations

72
times ranked

5154
citing authors

#	ARTICLE	IF	CITATIONS
1	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. <i>Nature</i> , 2020, 586, 572-577.	27.8	630
2	Structural and biochemical basis for induced self-propagation of NLRC4. <i>Science</i> , 2015, 350, 399-404.	12.6	282
3	Overview of lethal human coronaviruses. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 89.	17.1	218
4	Structural biology of SARS-CoV-2: open the door for novel therapies. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 26.	17.1	139
5	RNA-Seq profiling of circular RNA in human lung adenocarcinoma and squamous cell carcinoma. <i>Molecular Cancer</i> , 2019, 18, 134.	19.2	136
6	Structural Insights into Ubiquinone Biosynthesis in Membranes. <i>Science</i> , 2014, 343, 878-881.	12.6	122
7	Prognostic significance of frequent CLDN18-ARHGAP26/6 fusion in gastric signet-ring cell cancer. <i>Nature Communications</i> , 2018, 9, 2447.	12.8	100
8	Characterizing dedifferentiation of thyroid cancer by integrated analysis. <i>Science Advances</i> , 2021, 7, .	10.3	76
9	Metabolism-induced tumor activator 1 (MITA1), an Energy Stress-Inducible Long Noncoding RNA, Promotes Hepatocellular Carcinoma Metastasis. <i>Hepatology</i> , 2019, 70, 215-230.	7.3	65
10	The 2B domain of the Escherichia coli Rep protein is not required for DNA helicase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16006-16011.	7.1	63
11	Cryo-EM structure of C9ORF72-SMCR8-WDR41 reveals the role as a GAP for Rab8a and Rab11a. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9876-9883.	7.1	59
12	Genomic evolution and diverse models of systemic metastases in colorectal cancer. <i>Gut</i> , 2022, 71, 322-332.	12.1	51
13	Structural and functional insights into the regulation of the lysis-lysogeny decision in viral communities. <i>Nature Microbiology</i> , 2018, 3, 1285-1294.	13.3	49
14	Hydrophobic recognition allows the glycosyltransferase UGT76G1 to catalyze its substrate in two orientations. <i>Nature Communications</i> , 2019, 10, 3214.	12.8	47
15	Design, Synthesis, and Structure-Activity Relationship Studies of 3-(Phenylethynyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine Derivatives as a New Class of Src Inhibitors with Potent Activities in Models of Triple Negative Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3957-3974.	6.4	41
16	Structures of an intramembrane vitamin K epoxide reductase homolog reveal control mechanisms for electron transfer. <i>Nature Communications</i> , 2014, 5, 3110.	12.8	39
17	Left Ventricular Myocardial Deformation on Cine MR Images: Relationship to Severity of Disease and Prognosis in Light-Chain Amyloidosis. <i>Radiology</i> , 2018, 288, 73-80.	7.3	38
18	RNA G-quadruplex regulates microRNA-26a biogenesis and function. <i>Journal of Hepatology</i> , 2020, 73, 371-382.	3.7	38

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19	RNA G-quadruplex in TMPRSS2 reduces SARS-CoV-2 infection. <i>Nature Communications</i> , 2022, 13, 1444.	12.8	37
20	Age and Gender Impact the Measurement of Myocardial Interstitial Fibrosis in a Healthy Adult Chinese Population: A Cardiac Magnetic Resonance Study. <i>Frontiers in Physiology</i> , 2018, 9, 140.	2.8	34
21	Assessment of the left atrial appendage structure and morphology: comparison of real-time three-dimensional transesophageal echocardiography and computed tomography. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 623-633.	1.5	33
22	Structure-activity relationship studies of phenothiazine derivatives as a new class of ferroptosis inhibitors together with the therapeutic effect in an ischemic stroke model. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112842.	5.5	33
23	Reference value of left and right atrial size and phasic function by SSFP CMR at 3.0T in healthy Chinese adults. <i>Scientific Reports</i> , 2017, 7, 3196.	3.3	30
24	Cardiac MRI-based multi-modality imaging in clinical decision-making: Preliminary assessment of a management algorithm for patients with suspected cardiac mass. <i>International Journal of Cardiology</i> , 2016, 203, 474-481.	1.7	29
25	Right ventricular involvement evaluated by cardiac magnetic resonance imaging predicts mortality in patients with light chain amyloidosis. <i>Heart and Vessels</i> , 2018, 33, 170-179.	1.2	28
26	Regional amyloid distribution and impact on mortality in light-chain amyloidosis: a T1 mapping cardiac magnetic resonance study. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2019, 26, 45-51.	3.0	26
27	Multiparametric cardiovascular magnetic resonance characteristics and dynamic changes in myocardial and skeletal muscles in idiopathic inflammatory cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 22.	3.3	25
28	More than valve repair: Effect of cone reconstruction on right ventricular geometry and function in patients with Ebstein anomaly. <i>International Journal of Cardiology</i> , 2016, 206, 131-137.	1.7	24
29	Catalytic flexibility of rice glycosyltransferase OsUGT91C1 for the production of palatable steviol glycosides. <i>Nature Communications</i> , 2021, 12, 7030.	12.8	24
30	Cardiovascular magnetic resonance evidence of myocardial fibrosis and its clinical significance in adolescent and adult patients with Ebstein's anomaly. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 69.	3.3	23
31	MR extracellular volume mapping and non-contrast T1-mapping allow early detection of myocardial fibrosis in diabetic monkeys. <i>European Radiology</i> , 2019, 29, 3006-3016.	4.5	22
32	Histones released by NETosis enhance the infectivity of SARS-CoV-2 by bridging the spike protein subunit 2 and sialic acid on host cells. , 2022, 19, 577-587.		22
33	Structural and Mechanistic Analyses Reveal a Unique Cas4-like Protein in the Mimivirus Virophage Resistance Element System. <i>IScience</i> , 2018, 3, 1-10.	4.1	20
34	The interactions of ZDHHC5/GOLGA7 with SARS-CoV-2 spike (S) protein and their effects on S protein's subcellular localization, palmitoylation and pseudovirus entry. <i>Virology Journal</i> , 2021, 18, 257.	3.4	19
35	Fractal Analysis: Prognostic Value of Left Ventricular Trabecular Complexity Cardiovascular MRI in Participants with Hypertrophic Cardiomyopathy. <i>Radiology</i> , 2021, 298, 71-79.	7.3	18
36	Crystal structure and catalytic mechanism of the MbnBC holoenzyme required for methanobactin biosynthesis. <i>Cell Research</i> , 2022, 32, 302-314.	12.0	18

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37	Reference values of cardiac ventricular structure and function by steady-state free-precession MRI at 3.0T in healthy adult chinese volunteers. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1684-1692.	3.4	16
38	Increased Prognostic Value of Query Amyloid Late Enhancement Score in Light-Chain Cardiac Amyloidosis. <i>Circulation Journal</i> , 2018, 82, 739-746.	1.6	15
39	The crystal structure of Atg18 reveals a new binding site for Atg2 in <i>Saccharomyces cerevisiae</i> . <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 2131-2143.	5.4	14
40	Deciphering the regulatory and catalytic mechanisms of an unusual SAM-dependent enzyme. <i>Signal Transduction and Targeted Therapy</i> , 2019, 4, 17.	17.1	11
41	Discovery of Pyrrolo[3,2- <i>d</i>]pyrimidin-4-one Derivatives as a New Class of Potent and Cell-Active Inhibitors of P300/CBP-Associated Factor Bromodomain. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4526-4542.	6.4	11
42	Structural and Functional Insights into an Archaeal Lipid Synthase. <i>Cell Reports</i> , 2020, 33, 108294.	6.4	11
43	Prognostic Value of Right Ventricular Dysfunction in Patients With AL Amyloidosis: Comparison of Different Techniques by Cardiac Magnetic Resonance. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1441-1448.	3.4	11
44	Prognostic value of left ventricular remodelling index in idiopathic dilated cardiomyopathy. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 22, 1197-1207.	1.2	11
45	Structural and mechanistic insights into the biosynthesis of CDP-archaeol in membranes. <i>Cell Research</i> , 2017, 27, 1378-1391.	12.0	10
46	Right ventricular septomarginal trabeculation hypertrophy is associated with disease severity in patients with pulmonary arterial hypertension. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1439-1449.	1.5	9
47	2D/3D CMR tissue tracking versus CMR tagging in the assessment of spontaneous T2DM rhesus monkeys with isolated diastolic dysfunction. <i>BMC Medical Imaging</i> , 2018, 18, 47.	2.7	9
48	Structural and functional insight into the effect of AFF4 dimerization on activation of HIV-1 proviral transcription. <i>Cell Discovery</i> , 2020, 6, 7.	6.7	9
49	Structural and mechanistic insights into polymyxin resistance mediated by EptC originating from <i>Escherichia coli</i> . <i>FEBS Journal</i> , 2019, 286, 750-764.	4.7	8
50	The N-acyltransferase Lnt: Structure-function insights from recent simultaneous studies. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 870-877.	7.5	7
51	Quantitative mechanical dyssynchrony in dilated cardiomyopathy measured by deformable registration algorithm. <i>European Radiology</i> , 2020, 30, 2010-2020.	4.5	7
52	Crystallization and structure analysis of the core motif of the Pks13 acyltransferase domain from <i>Mycobacterium tuberculosis</i> . <i>PeerJ</i> , 2018, 6, e4728.	2.0	6
53	Left Ventricular Remodeling in Patients with Primary Aldosteronism: A Prospective Cardiac Magnetic Resonance Imaging Study. <i>Korean Journal of Radiology</i> , 2021, 22, 1619.	3.4	5
54	CMR-Verified Myocardial Fibrosis Is Associated With Subclinical Diastolic Dysfunction in Primary Aldosteronism Patients. <i>Frontiers in Endocrinology</i> , 2021, 12, 672557.	3.5	5

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55	Genetically incorporated crosslinkers reveal NleE attenuates host autophagy dependent on PSMD10. <i>ELife</i> , 2021, 10, .	6.0	5
56	Alimentary system is directly attacked by SARSâ€COVâ€2 and further prevents immune dysregulation caused by COVIDâ€19. <i>International Journal of Clinical Practice</i> , 2021, 75, e13893.	1.7	4
57	Myocardial extracellular volume assessed by cardiovascular magnetic resonance may predict adverse left ventricular remodeling in rheumatic heart disease after valvular surgery. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 2487-2497.	2.0	4
58	The Structure and Function of Biomaterial Endolysin EFm1 from <i>E. faecalis</i> Phage. <i>Materials</i> , 2022, 15, 4879.	2.9	3
59	Prediction and identification of CD4+ T cell epitope for the protective antigens of <i>Mycobacterium tuberculosis</i> . <i>Medicine (United States)</i> , 2021, 100, e24619.	1.0	2
60	Structures Unveil the Invasion Mechanism of Chikungunya Virus. <i>Trends in Microbiology</i> , 2019, 27, 656-658.	7.7	1
61	SAT-540 Primary Aldosteronism Represents Earlier Myocardial Fibrosis Than Essential Hypertension by T1 Mapping. <i>Journal of the Endocrine Society</i> , 2020, 4, .	0.2	0
62	Structural insights into the catalytic and inhibitory mechanisms of the flavin transferase FmnB in <i>Listeria monocytogenes</i> . <i>MedComm</i> , 2022, 3, e99.	7.2	0