

Songying Ouyang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

2,076
citations

23
h-index

44
g-index

95
ext. papers

2,746
ext. citations

9.9
avg, IF

4.75
L-index

#	Paper	IF	Citations
90	The helicase DDX41 recognizes the bacterial secondary messengers cyclic di-GMP and cyclic di-AMP to activate a type I interferon immune response. <i>Nature Immunology</i> , 2012 , 13, 1155-61	19.1	286
89	Structural analysis of the STING adaptor protein reveals a hydrophobic dimer interface and mode of cyclic di-GMP binding. <i>Immunity</i> , 2012 , 36, 1073-86	32.3	232
88	From Mosquitos to Humans: Genetic Evolution of Zika Virus. <i>Cell Host and Microbe</i> , 2016 , 19, 561-5	23.4	169
87	Functional Self-Assembling Peptide Nanofiber Hydrogels Designed for Nerve Degeneration. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2348-59	9.5	134
86	Structural analysis of asparaginyl endopeptidase reveals the activation mechanism and a reversible intermediate maturation stage. <i>Cell Research</i> , 2014 , 24, 344-58	24.7	66
85	HER2 recruits AKT1 to disrupt STING signalling and suppress antiviral defence and antitumour immunity. <i>Nature Cell Biology</i> , 2019 , 21, 1027-1040	23.4	64
84	Structural and biochemical characterization reveals LysGH15 as an unprecedented "EF-hand-like" calcium-binding phage lysin. <i>PLoS Pathogens</i> , 2014 , 10, e1004109	7.6	58
83	Regulation of phosphoribosyl ubiquitination by a calmodulin-dependent glutamylase. <i>Nature</i> , 2019 , 572, 387-391	50.4	55
82	Structure of severe fever with thrombocytopenia syndrome virus nucleocapsid protein in complex with suramin reveals therapeutic potential. <i>Journal of Virology</i> , 2013 , 87, 6829-39	6.6	54
81	Structure of the Leanyer orthobunyavirus nucleoprotein-RNA complex reveals unique architecture for RNA encapsidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9054-9	11.5	50
80	Crystal structure of an aerobic FMN-dependent azoreductase (AzoA) from <i>Enterococcus faecalis</i> . <i>Archives of Biochemistry and Biophysics</i> , 2007 , 463, 68-77	4.1	50
79	The emerging roles of the DDX41 protein in immunity and diseases. <i>Protein and Cell</i> , 2017 , 8, 83-89	7.2	44
78	Structural and functional analyses of human tryptophan 2,3-dioxygenase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014 , 82, 3210-6	4.2	37
77	Evolutionary Arms Race between Virus and Host Drives Genetic Diversity in Bat Severe Acute Respiratory Syndrome-Related Coronavirus Spike Genes. <i>Journal of Virology</i> , 2020 , 94,	6.6	36
76	Structural insight into acute intermittent porphyria. <i>FASEB Journal</i> , 2009 , 23, 396-404	0.9	35
75	The Nuclear Matrix Protein SAFA Surveils Viral RNA and Facilitates Immunity by Activating Antiviral Enhancers and Super-enhancers. <i>Cell Host and Microbe</i> , 2019 , 26, 369-384.e8	23.4	32
74	Two HEPN domains dictate CRISPR RNA maturation and target cleavage in Cas13d. <i>Nature Communications</i> , 2019 , 10, 2544	17.4	32

73	Garlic-derived compound -allylmercaptocysteine inhibits hepatocarcinogenesis through targeting LRP6/Wnt pathway. <i>Acta Pharmaceutica Sinica B</i> , 2018 , 8, 575-586	15.5	28
72	High-throughput sequencing and analysis of microbial communities in the mangrove swamps along the coast of Beibu Gulf in Guangxi, China. <i>Scientific Reports</i> , 2019 , 9, 9377	4.9	28
71	Oxygen activation of apo-obelin-coelenterazine complex. <i>ChemBioChem</i> , 2013 , 14, 739-45	3.8	28
70	Structural basis for DNA recognition by STAT6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13015-13020	11.5	26
69	Crystal structure of human esterase D: a potential genetic marker of retinoblastoma. <i>FASEB Journal</i> , 2009 , 23, 1441-6	0.9	26
68	A multi-dataset data-collection strategy produces better diffraction data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011 , 67, 544-9		24
67	Structural insights into a human anti-IFN antibody exerting therapeutic potential for systemic lupus erythematosus. <i>Journal of Molecular Medicine</i> , 2012 , 90, 837-46	5.5	23
66	Characterization of a corrinoid protein involved in the C1 metabolism of strict anaerobic bacterium <i>Moorella thermoacetica</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2007 , 67, 167-76	4.2	23
65	NOD1 Promotes Antiviral Signaling by Binding Viral RNA and Regulating the Interaction of MDA5 and MAVS. <i>Journal of Immunology</i> , 2020 , 204, 2216-2231	5.3	23
64	<i>Legionella pneumophila</i> regulates the activity of UBE2N by deamidase-mediated deubiquitination. <i>EMBO Journal</i> , 2020 , 39, e102806	13	22
63	Mechanism of the Rpn13-induced activation of Uch37. <i>Protein and Cell</i> , 2014 , 5, 616-30	7.2	22
62	Structural insights into Cas13b-guided CRISPR RNA maturation and recognition. <i>Cell Research</i> , 2018 , 28, 1198-1201	24.7	22
61	Marine-derived drugs: Recent advances in cancer therapy and immune signaling. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 134, 111091	7.5	21
60	Conversion of D-ribulose 5-phosphate to D-xylulose 5-phosphate: new insights from structural and biochemical studies on human RPE. <i>FASEB Journal</i> , 2011 , 25, 497-504	0.9	17
59	Structure based mechanism of the Ca ²⁺ -induced release of coelenterazine from the Renilla binding protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009 , 74, 583-93	4.2	16
58	Cryo-EM structures of the human PA200 and PA200-20S complex reveal regulation of proteasome gate opening and two PA200 apertures. <i>PLoS Biology</i> , 2020 , 18, e3000654	9.7	15
57	The bacterial deubiquitinase Ceg23 regulates the association of Lys-63-linked polyubiquitin molecules on the phagosome. <i>Journal of Biological Chemistry</i> , 2020 , 295, 1646-1657	5.4	15
56	Mitrocomin from the jellyfish <i>Mitrocoma cellularia</i> with deleted C-terminal tyrosine reveals a higher bioluminescence activity compared to wild type photoprotein. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 162, 286-297	6.7	15

55	Structural and functional analyses of human DDX41 DEAD domain. <i>Protein and Cell</i> , 2017 , 8, 72-76	7.2	14
54	Binding of bacterial secondary messenger molecule c di-GMP is a STING operation. <i>Protein and Cell</i> , 2013 , 4, 117-29	7.2	14
53	Structural biology study of human TNF receptor associated factor 4 TRAF domain. <i>Protein and Cell</i> , 2013 , 4, 687-94	7.2	13
52	Crystal structure of a novel non-Pfam protein PF2046 solved using low resolution B-factor sharpening and multi-crystal averaging methods. <i>Protein and Cell</i> , 2010 , 1, 453-8	7.2	13
51	Regulation of cGAS-Mediated Immune Responses and Immunotherapy. <i>Advanced Science</i> , 2020 , 7, 19025996	9.6	12
50	Protein-protein complexation in bioluminescence. <i>Protein and Cell</i> , 2011 , 2, 957-72	7.2	12
49	TBK1-Mediated DRP1 Targeting Confers Nucleic Acid Sensing to Reprogram Mitochondrial Dynamics and Physiology. <i>Molecular Cell</i> , 2020 , 80, 810-827.e7	17.6	11
48	Structural and functional insights into a novel two-component endolysin encoded by a single gene in <i>Enterococcus faecalis</i> phage. <i>PLoS Pathogens</i> , 2020 , 16, e1008394	7.6	11
47	aKMT Catalyzes Extensive Protein Lysine Methylation in the Hyperthermophilic Archaeon <i>Sulfolobus islandicus</i> but is Dispensable for the Growth of the Organism. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 2908-23	7.6	10
46	Crystal structure of the N-terminal methyltransferase-like domain of anamorsin. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014 , 82, 1066-71	4.2	10
45	Novel polyadenylation-dependent neutralization mechanism of the HEPN/MNT toxin/antitoxin system. <i>Nucleic Acids Research</i> , 2020 , 48, 11054-11067	20.1	9
44	Evidence of the Recombinant Origin and Ongoing Mutations in Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)		8
43	SET domain containing 1B gene is mutated in primary hepatic neuroendocrine tumors. <i>International Journal of Cancer</i> , 2019 , 145, 2986-2995	7.5	7
42	Interplay between bacterial deubiquitinase and ubiquitin E3 ligase regulates ubiquitin dynamics on <i>Legionella</i> phagosomes. <i>ELife</i> , 2020 , 9,	8.9	7
41	Cryo-electron Microscopy Structure of the Swine Acute Diarrhea Syndrome Coronavirus Spike Glycoprotein Provides Insights into Evolution of Unique Coronavirus Spike Proteins. <i>Journal of Virology</i> , 2020 , 94,	6.6	7
40	Structural basis of AimP signaling molecule recognition by AimR in Spbeta group of bacteriophages. <i>Protein and Cell</i> , 2019 , 10, 131-136	7.2	7
39	Molecular Basis of Ubiquitination Catalyzed by the Bacterial Transglutaminase MavC. <i>Advanced Science</i> , 2020 , 7, 2000871	13.6	6
38	Assembly Pathway Selection of Designer Self-Assembling Peptide and Fabrication of Hierarchical Scaffolds for Neural Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26128-26141	9.5	6

37	Crystal structure solution of a ParB-like nuclease at atomic resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008 , 70, 263-7	4.2	6
36	Crystal structure of a novel non-Pfam protein AF1514 from <i>Archeoglobus fulgidus</i> DSM 4304 solved by S-SAD using a Cr X-ray source. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008 , 71, 2109-13	4.2	6
35	Diverse Roles of DEAD/DEAH-Box Helicases in Innate Immunity and Diseases 2019 , 141-171		6
34	Self-capping of nucleoprotein filaments protects the Newcastle disease virus genome. <i>ELife</i> , 2019 , 8,	8.9	5
33	Infectious hematopoietic necrosis virus N protein suppresses fish IFN1 production by targeting the MITA. <i>Fish and Shellfish Immunology</i> , 2020 , 97, 523-530	4.3	5
32	Recombinant expression, purification and bioactivity characterization of extracellular domain of human tumor necrosis factor receptor 1. <i>Protein Expression and Purification</i> , 2019 , 155, 21-26	2	5
31	The microbiomic and environmental analysis of sediments in the Indo-Pacific humpback dolphin (<i>Sousa chinensis</i>) habitat in the Northern Beibu Gulf, China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 6957-6970	5.1	5
30	Induced phase separation of mutant NF2 imprisons the cGAS-STING machinery to abrogate antitumor immunity. <i>Molecular Cell</i> , 2021 , 81, 4147-4164.e7	17.6	5
29	Structural and Functional Characterization of the Phosphoprotein Central Domain of Spring Viremia of Carp Virus. <i>Journal of Virology</i> , 2020 , 94,	6.6	4
28	Structural Insights into gp16 ATPase in the Bacteriophage ϕ 29 DNA Packaging Motor. <i>Biochemistry</i> , 2021 , 60, 886-897	3.2	3
27	Functional Features and Current Applications of the RNA-Targeting Type VI CRISPR-Cas Systems. <i>Advanced Science</i> , 2021 , 8, 2004685	13.6	3
26	A non-canonical cGAS-STING-PERK pathway facilitates the translational program critical for senescence and organ fibrosis.. <i>Nature Cell Biology</i> , 2022 ,	23.4	3
25	Molecular Basis of BioJ, a Unique Gatekeeper in Bacterial Biotin Synthesis. <i>IScience</i> , 2019 , 19, 796-808	6.1	2
24	Insights into the evolution and hypoglycemic metabolite biosynthesis of autotetraploid <i>Cyclocarya paliurus</i> by combining genomic, transcriptomic and metabolomic analyses. <i>Industrial Crops and Products</i> , 2021 , 173, 114154	5.9	2
23	Biochemical and structural characterization of the BioZ enzyme engaged in bacterial biotin synthesis pathway. <i>Nature Communications</i> , 2021 , 12, 2056	17.4	2
22	Mechanistic insights into the R-loop formation and cleavage in CRISPR-Cas12i1. <i>Nature Communications</i> , 2021 , 12, 3476	17.4	2
21	Crystal structure of hGEF-H1 PH domain provides insight into incapability in phosphoinositide binding. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 471, 621-7	3.4	2
20	Rifapentine is an entry and replication inhibitor against yellow fever virus both in vitro and in vivo.. <i>Emerging Microbes and Infections</i> , 2022 , 1-33	18.9	2

19	Interplay between bacterial deubiquitinase and ubiquitin E3 ligase regulates ubiquitin dynamics on Legionella phagosomes		1
18	Structural and biochemical analyses of the tetrameric cell binding domain of Lys170 from enterococcal phage F170/08. <i>European Biophysics Journal</i> , 2021 , 50, 721-729	1.9	1
17	Legionella pneumophila temporally regulates the activity of ADP/ATP translocases by reversible ADP-ribosylation 2022 , 1, 51-65		1
16	Structural view of a non Pfam singleton and crystal packing analysis. <i>PLoS ONE</i> , 2012 , 7, e31673	3.7	0
15	Structure-function analysis of human l-prostaglandin D synthase bound with fatty acid molecules. <i>FASEB Journal</i> , 2010 , 24, 4668-4677	0.9	0
14	Metabolome and Whole-Transcriptome Analyses Reveal the Molecular Mechanisms Underlying Hypoglycemic Nutrient Metabolites Biosynthesis in Leaves During Different Harvest Stages.. <i>Frontiers in Nutrition</i> , 2022 , 9, 851569	6.2	0
13	Ubiquitin: there's no quitting. <i>Science Bulletin</i> , 2020 , 65, 1327-1329		10.6
12	Cryo-EM structures of the human PA200 and PA200-20S complex reveal regulation of proteasome gate opening and two PA200 apertures 2020 , 18, e3000654		
11	Cryo-EM structures of the human PA200 and PA200-20S complex reveal regulation of proteasome gate opening and two PA200 apertures 2020 , 18, e3000654		
10	Cryo-EM structures of the human PA200 and PA200-20S complex reveal regulation of proteasome gate opening and two PA200 apertures 2020 , 18, e3000654		
9	Cryo-EM structures of the human PA200 and PA200-20S complex reveal regulation of proteasome gate opening and two PA200 apertures 2020 , 18, e3000654		
8	Cryo-EM structures of the human PA200 and PA200-20S complex reveal regulation of proteasome gate opening and two PA200 apertures 2020 , 18, e3000654		
7	Cryo-EM structures of the human PA200 and PA200-20S complex reveal regulation of proteasome gate opening and two PA200 apertures 2020 , 18, e3000654		
6	Structural and functional insights into a novel two-component endolysin encoded by a single gene in <i>Enterococcus faecalis</i> phage 2020 , 16, e1008394		
5	Structural and functional insights into a novel two-component endolysin encoded by a single gene in <i>Enterococcus faecalis</i> phage 2020 , 16, e1008394		
4	Structural and functional insights into a novel two-component endolysin encoded by a single gene in <i>Enterococcus faecalis</i> phage 2020 , 16, e1008394		
3	Structural and functional insights into a novel two-component endolysin encoded by a single gene in <i>Enterococcus faecalis</i> phage 2020 , 16, e1008394		
2	Structural and functional insights into a novel two-component endolysin encoded by a single gene in <i>Enterococcus faecalis</i> phage 2020 , 16, e1008394		

- 1 Structural and functional insights into a novel two-component endolysin encoded by a single gene in *Enterococcus faecalis* phage **2020**, 16, e1008394