

# Songying Ouyang

## List of Publications by Year in Descending Order

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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	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> , <b>2022</b> , 9, 851569	6.2	0
89	Rifapentine is an entry and replication inhibitor against yellow fever virus both in vitro and in vivo.. <i>Emerging Microbes and Infections</i> , <b>2022</b> , 1-33	18.9	2
88	Legionella pneumophila temporally regulates the activity of ADP/ATP translocases by reversible ADP-ribosylation <b>2022</b> , 1, 51-65		1
87	A non-canonical cGAS-STING-PERK pathway facilitates the translational program critical for senescence and organ fibrosis.. <i>Nature Cell Biology</i> , <b>2022</b> ,	23.4	3
86	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> , <b>2021</b> , 173, 114154	5.9	2
85	Structural Insights into gp16 ATPase in the Bacteriophage $\phi$ 29 DNA Packaging Motor. <i>Biochemistry</i> , <b>2021</b> , 60, 886-897	3.2	3
84	Biochemical and structural characterization of the BioZ enzyme engaged in bacterial biotin synthesis pathway. <i>Nature Communications</i> , <b>2021</b> , 12, 2056	17.4	2
83	Functional Features and Current Applications of the RNA-Targeting Type VI CRISPR-Cas Systems. <i>Advanced Science</i> , <b>2021</b> , 8, 2004685	13.6	3
82	Mechanistic insights into the R-loop formation and cleavage in CRISPR-Cas12i1. <i>Nature Communications</i> , <b>2021</b> , 12, 3476	17.4	2
81	Marine-derived drugs: Recent advances in cancer therapy and immune signaling. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 134, 111091	7.5	21
80	Structural and biochemical analyses of the tetrameric cell binding domain of Lys170 from enterococcal phage F170/08. <i>European Biophysics Journal</i> , <b>2021</b> , 50, 721-729	1.9	1
79	Induced phase separation of mutant NF2 imprisons the cGAS-STING machinery to abrogate antitumor immunity. <i>Molecular Cell</i> , <b>2021</b> , 81, 4147-4164.e7	17.6	5
78	TBK1-Mediated DRP1 Targeting Confers Nucleic Acid Sensing to Reprogram Mitochondrial Dynamics and Physiology. <i>Molecular Cell</i> , <b>2020</b> , 80, 810-827.e7	17.6	11
77	Molecular Basis of Ubiquitination Catalyzed by the Bacterial Transglutaminase MavC. <i>Advanced Science</i> , <b>2020</b> , 7, 2000871	13.6	6
76	Legionella pneumophila regulates the activity of UBE2N by deamidase-mediated deubiquitination. <i>EMBO Journal</i> , <b>2020</b> , 39, e102806	13	22
75	Structural and Functional Characterization of the Phosphoprotein Central Domain of Spring Viremia of Carp Virus. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.6	4
74	Ubiquitin: there's no quitting. <i>Science Bulletin</i> , <b>2020</b> , 65, 1327-1329	10.6	

73	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> , <b>2020</b> , 16, e1008394	7.6	11
72	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> , <b>2020</b> , 18, e3000654	9.7	15
71	The bacterial deubiquitinase Ceg23 regulates the association of Lys-63-linked polyubiquitin molecules on the phagosome. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 1646-1657	5.4	15
70	Regulation of cGAS-Mediated Immune Responses and Immunotherapy. <i>Advanced Science</i> , <b>2020</b> , 7, 19025996	5.6	12
69	Interplay between bacterial deubiquitinase and ubiquitin E3 ligase regulates ubiquitin dynamics on <i>Legionella</i> phagosomes. <i>ELife</i> , <b>2020</b> , 9,	8.9	7
68	Infectious hematopoietic necrosis virus N protein suppresses fish IFN1 production by targeting the MITA. <i>Fish and Shellfish Immunology</i> , <b>2020</b> , 97, 523-530	4.3	5
67	Novel polyadenylation-dependent neutralization mechanism of the HEPN/MNT toxin/antitoxin system. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 11054-11067	20.1	9
66	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> , <b>2020</b> , 94,	6.6	36
65	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> , <b>2020</b> , 94,	6.6	7
64	NOD1 Promotes Antiviral Signaling by Binding Viral RNA and Regulating the Interaction of MDA5 and MAVS. <i>Journal of Immunology</i> , <b>2020</b> , 204, 2216-2231	5.3	23
63	Cryo-EM structures of the human PA200 and PA200-20S complex reveal regulation of proteasome gate opening and two PA200 apertures <b>2020</b> , 18, e3000654		
62	Cryo-EM structures of the human PA200 and PA200-20S complex reveal regulation of proteasome gate opening and two PA200 apertures <b>2020</b> , 18, e3000654		
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57	Structural and functional insights into a novel two-component endolysin encoded by a single gene in <i>Enterococcus faecalis</i> phage <b>2020</b> , 16, e1008394		
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52	Structural and functional insights into a novel two-component endolysin encoded by a single gene in <i>Enterococcus faecalis</i> phage <b>2020</b> , 16, e1008394		
51	Molecular Basis of BioJ, a Unique Gatekeeper in Bacterial Biotin Synthesis. <i>IScience</i> , <b>2019</b> , 19, 796-808	6.1	2
50	The Nuclear Matrix Protein SAFA Surveils Viral RNA and Facilitates Immunity by Activating Antiviral Enhancers and Super-enhancers. <i>Cell Host and Microbe</i> , <b>2019</b> , 26, 369-384.e8	23.4	32
49	Two HEPN domains dictate CRISPR RNA maturation and target cleavage in Cas13d. <i>Nature Communications</i> , <b>2019</b> , 10, 2544	17.4	32
48	SET domain containing 1B gene is mutated in primary hepatic neuroendocrine tumors. <i>International Journal of Cancer</i> , <b>2019</b> , 145, 2986-2995	7.5	7
47	Regulation of phosphoribosyl ubiquitination by a calmodulin-dependent glutamylase. <i>Nature</i> , <b>2019</b> , 572, 387-391	50.4	55
46	HER2 recruits AKT1 to disrupt STING signalling and suppress antiviral defence and antitumour immunity. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 1027-1040	23.4	64
45	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> , <b>2019</b> , 9, 9377	4.9	28
44	Self-capping of nucleoprotein filaments protects the Newcastle disease virus genome. <i>ELife</i> , <b>2019</b> , 8,	8.9	5
43	Structural basis of AimP signaling molecule recognition by AimR in Spbeta group of bacteriophages. <i>Protein and Cell</i> , <b>2019</b> , 10, 131-136	7.2	7
42	Recombinant expression, purification and bioactivity characterization of extracellular domain of human tumor necrosis factor receptor 1. <i>Protein Expression and Purification</i> , <b>2019</b> , 155, 21-26	2	5
41	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> , <b>2019</b> , 26, 6957-6970	5.1	5
40	Diverse Roles of DEAD/DEAH-Box Helicases in Innate Immunity and Diseases <b>2019</b> , 141-171		6
39	Garlic-derived compound -allylmercaptocysteine inhibits hepatocarcinogenesis through targeting LRP6/Wnt pathway. <i>Acta Pharmaceutica Sinica B</i> , <b>2018</b> , 8, 575-586	15.5	28
38	Assembly Pathway Selection of Designer Self-Assembling Peptide and Fabrication of Hierarchical Scaffolds for Neural Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26128-26141	9.5	6

37	Structural insights into Cas13b-guided CRISPR RNA maturation and recognition. <i>Cell Research</i> , <b>2018</b> , 28, 1198-1201	24.7	22
36	Structural and functional analyses of human DDX41 DEAD domain. <i>Protein and Cell</i> , <b>2017</b> , 8, 72-76	7.2	14
35	The emerging roles of the DDX41 protein in immunity and diseases. <i>Protein and Cell</i> , <b>2017</b> , 8, 83-89	7.2	44
34	Structural basis for DNA recognition by STAT6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 13015-13020	11.5	26
33	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> , <b>2016</b> , 15, 2908-23	7.6	10
32	Functional Self-Assembling Peptide Nanofiber Hydrogels Designed for Nerve Degeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2348-59	9.5	134
31	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> , <b>2016</b> , 162, 286-297	6.7	15
30	Crystal structure of hGEF-H1 PH domain provides insight into incapability in phosphoinositide binding. <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 471, 621-7	3.4	2
29	From Mosquitos to Humans: Genetic Evolution of Zika Virus. <i>Cell Host and Microbe</i> , <b>2016</b> , 19, 561-5	23.4	169
28	Mechanism of the Rpn13-induced activation of Uch37. <i>Protein and Cell</i> , <b>2014</b> , 5, 616-30	7.2	22
27	Structural analysis of asparaginyl endopeptidase reveals the activation mechanism and a reversible intermediate maturation stage. <i>Cell Research</i> , <b>2014</b> , 24, 344-58	24.7	66
26	Structural and biochemical characterization reveals LysGH15 as an unprecedented "EF-hand-like" calcium-binding phage lysin. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004109	7.6	58
25	Crystal structure of the N-terminal methyltransferase-like domain of anamorsin. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2014</b> , 82, 1066-71	4.2	10
24	Structural and functional analyses of human tryptophan 2,3-dioxygenase. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2014</b> , 82, 3210-6	4.2	37
23	Binding of bacterial secondary messenger molecule c di-GMP is a STING operation. <i>Protein and Cell</i> , <b>2013</b> , 4, 117-29	7.2	14
22	Structural biology study of human TNF receptor associated factor 4 TRAF domain. <i>Protein and Cell</i> , <b>2013</b> , 4, 687-94	7.2	13
21	Oxygen activation of apo-obelin-coelenterazine complex. <i>ChemBioChem</i> , <b>2013</b> , 14, 739-45	3.8	28
20	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> , <b>2013</b> , 110, 9054-9	11.5	50

19	Structure of severe fever with thrombocytopenia syndrome virus nucleocapsid protein in complex with suramin reveals therapeutic potential. <i>Journal of Virology</i> , <b>2013</b> , 87, 6829-39	6.6	54
18	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> , <b>2012</b> , 13, 1155-61	19.1	286
17	Structural view of a non Pfam singleton and crystal packing analysis. <i>PLoS ONE</i> , <b>2012</b> , 7, e31673	3.7	0
16	Structural analysis of the STING adaptor protein reveals a hydrophobic dimer interface and mode of cyclic di-GMP binding. <i>Immunity</i> , <b>2012</b> , 36, 1073-86	32.3	232
15	Structural insights into a human anti-IFN antibody exerting therapeutic potential for systemic lupus erythematosus. <i>Journal of Molecular Medicine</i> , <b>2012</b> , 90, 837-46	5.5	23
14	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> , <b>2011</b> , 25, 497-504	0.9	17
13	Protein-protein complexation in bioluminescence. <i>Protein and Cell</i> , <b>2011</b> , 2, 957-72	7.2	12
12	A multi-dataset data-collection strategy produces better diffraction data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2011</b> , 67, 544-9		24
11	Structure-function analysis of human l-prostaglandin D synthase bound with fatty acid molecules. <i>FASEB Journal</i> , <b>2010</b> , 24, 4668-4677	0.9	0
10	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> , <b>2010</b> , 1, 453-8	7.2	13
9	Structural insight into acute intermittent porphyria. <i>FASEB Journal</i> , <b>2009</b> , 23, 396-404	0.9	35
8	Crystal structure of human esterase D: a potential genetic marker of retinoblastoma. <i>FASEB Journal</i> , <b>2009</b> , 23, 1441-6	0.9	26
7	Structure based mechanism of the Ca(2+)-induced release of coelenterazine from the Renilla binding protein. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2009</b> , 74, 583-93	4.2	16
6	Crystal structure solution of a ParB-like nuclease at atomic resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2008</b> , 70, 263-7	4.2	6
5	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> , <b>2008</b> , 71, 2109-13	4.2	6
4	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> , <b>2007</b> , 67, 167-76	4.2	23
3	Crystal structure of an aerobic FMN-dependent azoreductase (AzoA) from <i>Enterococcus faecalis</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>2007</b> , 463, 68-77	4.1	50
2	Evidence of the Recombinant Origin and Ongoing Mutations in Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)		8

- 1 Interplay between bacterial deubiquitinase and ubiquitin E3 ligase regulates ubiquitin dynamics on Legionella phagosomes

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