

# Wanting Jiao

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,162  
citations

471061

17  
h-index

433756

31  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1738  
citing authors

#	ARTICLE	IF	CITATIONS
1	Change in Heat Capacity for Enzyme Catalysis Determines Temperature Dependence of Enzyme Catalyzed Rates. <i>ACS Chemical Biology</i> , 2013, 8, 2388-2393.	1.6	164
2	Structure of the bacterial type II NADH dehydrogenase: a monotopic membrane protein with an essential role in energy generation. <i>Molecular Microbiology</i> , 2014, 91, 950-964.	1.2	103
3	Molecular Mechanism of CCAAT-Enhancer Binding Protein Recruitment by the TRIB1 Pseudokinase. <i>Structure</i> , 2015, 23, 2111-2121.	1.6	93
4	Oxidative Phosphorylation as a Target Space for Tuberculosis: Success, Caution, and Future Directions. <i>Microbiology Spectrum</i> , 2017, 5, .	1.2	89
5	Free charge photogeneration in a single component high photovoltaic efficiency organic semiconductor. <i>Nature Communications</i> , 2022, 13, .	5.8	66
6	Synergistic Allostery, a Sophisticated Regulatory Network for the Control of Aromatic Amino Acid Biosynthesis in <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 30567-30576.	1.6	63
7	The mechanism of catalysis by type-II NADH:quinone oxidoreductases. <i>Scientific Reports</i> , 2017, 7, 40165.	1.6	45
8	Dynamic Cross-Talk among Remote Binding Sites: The Molecular Basis for Unusual Synergistic Allostery. <i>Journal of Molecular Biology</i> , 2012, 415, 716-726.	2.0	39
9	Three Sites and You Are Out: Ternary Synergistic Allostery Controls Aromatic Amino Acid Biosynthesis in <i>Mycobacterium tuberculosis</i> . <i>Journal of Molecular Biology</i> , 2013, 425, 1582-1592.	2.0	38
10	Potent Inhibitors of a Shikimate Pathway Enzyme from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 16197-16207.	1.6	37
11	Structures of Orf Virus Chemokine Binding Protein in Complex with Host Chemokines Reveal Clues to Broad Binding Specificity. <i>Structure</i> , 2015, 23, 1199-1213.	1.6	28
12	Role of Alanine Racemase Mutations in <i>Mycobacterium tuberculosis</i> Cycloserine Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	24
13	Multiple Bactericidal Mechanisms of the Zinc Ionophore PBT2. <i>MSphere</i> , 2020, 5, .	1.3	24
14	Acetyl-CoA-mediated activation of <i>Mycobacterium tuberculosis</i> isocitrate lyase 2. <i>Nature Communications</i> , 2019, 10, 4639.	5.8	23
15	Structure of the NDH-2 H <sub>2</sub> O inhibited complex provides molecular insight into quinone-binding site inhibitors. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 482-490.	0.5	20
16	Unprecedented Properties of Phenothiazines Unraveled by a NDH-2 Bioelectrochemical Assay Platform. <i>Journal of the American Chemical Society</i> , 2020, 142, 1311-1320.	6.6	18
17	A Broad-Spectrum Chemokine-Binding Protein of Bovine Papular Stomatitis Virus Inhibits Neutrophil and Monocyte Infiltration in Inflammatory and Wound Models of Mouse Skin. <i>PLoS ONE</i> , 2016, 11, e0168007.	1.1	18
18	Quaternary structure is an essential component that contributes to the sophisticated allosteric regulation mechanism in a key enzyme from <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2017, 12, e0180052.	1.1	18

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19	New Tripeptide-Based Macrocyclic Calpain Inhibitors Formed by <i>N</i> -Alkylation of Histidine. <i>Chemistry and Biodiversity</i> , 2012, 9, 2473-2484.	1.0	17
20	Exploring the structure of glutamate racemase from <i>Mycobacterium tuberculosis</i> as a template for anti-mycobacterial drug discovery. <i>Biochemical Journal</i> , 2016, 473, 1267-1280.	1.7	17
21	Long-range exciton diffusion in a non-fullerene acceptor: approaching the incoherent limit. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1419-1428.	2.7	15
22	Extracellular Electron Transfer: Respiratory or Nutrient Homeostasis?. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	14
23	Synthesis and evaluation of dual site inhibitors of 3-deoxy-d-arabino-heptulosonate 7-phosphate synthase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5092-5097.	1.0	13
24	A single amino acid substitution uncouples catalysis and allostery in an essential biosynthetic enzyme in <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 6252-6262.	1.6	13
25	A dimeric catalytic core relates the short and long forms of ATP-phosphoribosyltransferase. <i>Biochemical Journal</i> , 2018, 475, 247-260.	1.7	12
26	Antitubercular polyhalogenated phenothiazines and phenoselenazine with reduced binding to CNS receptors. <i>European Journal of Medicinal Chemistry</i> , 2020, 201, 112420.	2.6	12
27	Using a Combination of Computational and Experimental Techniques to Understand the Molecular Basis for Protein Allostery. <i>Advances in Protein Chemistry and Structural Biology</i> , 2012, 87, 391-413.	1.0	11
28	Diverse allosteric componentry and mechanisms control entry into aromatic metabolite biosynthesis. <i>Current Opinion in Structural Biology</i> , 2020, 65, 159-167.	2.6	11
29	"Tethering" fragment-based drug discovery to identify inhibitors of the essential respiratory membrane protein type II NADH dehydrogenase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2239-2243.	1.0	10
30	Crystal structure of type II NADH:quinone oxidoreductase from <i>Caldalkalibacillus thermarum</i> with an improved resolution of 2.15 Å. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 541-549.	0.4	10
31	Arg314 Is Essential for Catalysis by <i>N</i> -Acetyl Neuraminic Acid Synthase from <i>Neisseria meningitidis</i> . <i>Biochemistry</i> , 2013, 52, 2609-2619.	1.2	9
32	Synthesis of sulfamide analogues of deoxythymidine monophosphate as potential inhibitors of mycobacterial cell wall biosynthesis. <i>Carbohydrate Research</i> , 2018, 457, 32-40.	1.1	9
33	Structural plasticity and <i>in vivo</i> activity of Cas1 from the type I-F CRISPR-Cas system. <i>Biochemical Journal</i> , 2016, 473, 1063-1072.	1.7	8
34	Chemokine-Binding Proteins Encoded by Parapoxvirus of Red Deer of New Zealand Display Evidence of Gene Duplication and Divergence of Ligand Specificity. <i>Frontiers in Microbiology</i> , 2019, 10, 1421.	1.5	8
35	Synthesis of Novel Glycolipid Mimetics of Heparan Sulfate and Their Application in Colorectal Cancer Treatment in a Mouse Model. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	8
36	Molecular Modeling Studies of Peptide Inhibitors Highlight the Importance of Conformational Prearrangement for Inhibition of Calpain. <i>Biochemistry</i> , 2010, 49, 5533-5539.	1.2	7

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37	Anti-Allergic hormone signaling is influenced by Follistatin 288, but not 14 other transforming growth factor beta superfamily regulators. <i>Molecular Reproduction and Development</i> , 2017, 84, 626-637.	1.0	7
38	Functional characterization of BcrR: a one-component transmembrane signal transduction system for bacitracin resistance. <i>Microbiology (United Kingdom)</i> , 2019, 165, 475-487.	0.7	7
39	Probing the Sophisticated Synergistic Allosteric Regulation of Aromatic Amino Acid Biosynthesis in <i>Mycobacterium tuberculosis</i> Using $\alpha$ -Amino Acids. <i>PLoS ONE</i> , 2016, 11, e0152723.	1.1	6
40	An Extended $\pm 7$ Substrate-Binding Loop Is Essential for Efficient Catalysis by 3-Deoxy-manno-Octulosonate 8-Phosphate Synthase. <i>Biochemistry</i> , 2011, 50, 9318-9327.	1.2	5
41	Probing the determinants of phosphorylated sugar-substrate binding for human sialic acid synthase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2257-2264.	1.1	4
42	Oxidative Phosphorylation as a Target Space for Tuberculosis: Success, Caution, and Future Directions. , 0, , 295-316.		4
43	The Synthesis and Anti-tumour Properties of Poly Ethoxy Ethyl Glycinamide (PEEG) Scaffolds with Multiple PD-1 Peptides Attached. <i>ChemMedChem</i> , 2020, 15, 1128-1138.	1.6	4
44	Structure of F <sub>1</sub> -ATPase from the obligate anaerobe <i>Fusobacterium nucleatum</i> . <i>Open Biology</i> , 2019, 9, 190066.	1.5	3
45	Hinge Twists and Population Shifts Deliver Regulated Catalysis for ATP-PRT in Histidine Biosynthesis. <i>Biophysical Journal</i> , 2019, 116, 1887-1897.	0.2	3
46	Computational investigations of allostery in aromatic amino acid biosynthetic enzymes. <i>Biochemical Society Transactions</i> , 2021, 49, 415-429.	1.6	3
47	Substrate-mediated control of the conformation of an ancillary domain delivers a competent catalytic site for N-acetylneuraminic acid synthase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 2054-2066.	1.5	2