Yinan Wei

List of Publications by Year in descending order

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72	1,915	361388	276858
papers	citations	20 h-index	41 g-index

76	76	76	2476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pyroptosis-Induced Inflammation and Tissue Damage. Journal of Molecular Biology, 2022, 434, 167301.	4.2	44
2	Transport Across Two Membrane Bilayers in E. coli by Efflux Pumps of Different Dimensions. Journal of Molecular Biology, 2022, 434, 167376.	4.2	0
3	Aerosol capture and coronavirus spike protein deactivation by enzyme functionalized antiviral membranes. Communications Materials, 2022, 3, .	6.9	6
4	Extracellular Histones Trigger Disseminated Intravascular Coagulation by Lytic Cell Death. International Journal of Molecular Sciences, 2022, 23, 6800.	4.1	7
5	Synthesis and biological evaluation of <scp>stilbeneâ€based</scp> peptoid mimics against the phytopathogenic bacterium Xanthomonas citri pv. citri. Pest Management Science, 2021, 77, 343-353.	3.4	3
6	Emergence of Two AcrB Substitutions Conferring Multidrug Resistance to Salmonella spp.. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	5
7	Biotinylation as a Tool to Enhance Uptake of Compounds in Gramâ€negative Bacteria. FASEB Journal, 2021, 35, .	0.5	0
8	Donnan Potential across the Outer Membrane of Gram-Negative Bacteria and Its Effect on the Permeability of Antibiotics. Antibiotics, 2021, 10, 701.	3.7	15
9	Inflammasome activation promotes venous thrombosis through pyroptosis. Blood Advances, 2021, 5, 2619-2623.	5.2	38
10	Insight into the AcrAB-TolC Complex Assembly Process Learned from Competition Studies. Antibiotics, 2021, 10, 830.	3.7	8
11	Biotinylation as a tool to enhance the uptake of small molecules in Gram-negative bacteria. PLoS ONE, 2021, 16, e0260023.	2.5	4
12	Periplasmic Targets for the Development of Effective Antimicrobials against Gram-Negative Bacteria. ACS Infectious Diseases, 2020, 6, 2337-2354.	3.8	25
13	Probing the Dynamics of AcrB Through Disulfide Bond Formation. ACS Omega, 2020, 5, 21844-21852.	3.5	4
14	Distribution of fluoroquinolones in the two aqueous compartments of Escherichia coli. Biochemistry and Biophysics Reports, 2020, 24, 100849.	1.3	4
15	Probing the Dynamic Aspects of AcrB Function through Disulfide Bond Formation. Biophysical Journal, 2020, 118, 528a-529a.	0.5	0
16	Inflammasome Activation Triggers Blood Clotting and Host Death through Pyroptosis. Immunity, 2019, 50, 1401-1411.e4.	14.3	246
17	Gasdermin D (GSDMD) as a new target for the treatment of infection. MedChemComm, 2019, 10, 660-667.	3.4	41
18	Increasing Salt Rejection of Polybenzimidazole Nanofiltration Membranes via the Addition of Immobilized and Aligned Aquaporins. Processes, 2019, 7, 76.	2.8	13

#	ARTICLE	IF	CITATIONS
19	Application of Fluorescence in Studying Therapeutic Enzymes. Advances in Experimental Medicine and Biology, 2019, 1148, 105-114.	1.6	3
20	Functional Relevance of Unstructured Regions of AcrA, the Periplasmic Adaptor of the Major Multidrug Efflux System in E. coli. FASEB Journal, 2019, 33, 483.12.	0.5	1
21	Study of Multidrug Efflux System Protein Degradation in E. coli Using Transposons Library. FASEB Journal, 2019, 33, 463.9.	0.5	0
22	Role of Protein Charge Density on Hepatitis B Virus Capsid Formation. ACS Omega, 2018, 3, 4384-4391.	3.5	7
23	Characterization of an acetohydroxy acid synthase mutant conferring tolerance to imidazolinone herbicides in rice (Oryza sativa). Planta, 2018, 247, 693-703.	3.2	20
24	Comparison of in vitro and in vivo oligomeric states of a wild type and mutant trimeric inner membrane multidrug transporter. Biochemistry and Biophysics Reports, 2018, 16, 122-129.	1.3	6
25	Data on spectrum-based fluorescence resonance energy transfer measurement of E. coli multidrug transporter AcrB. Data in Brief, 2018, 21, 1649-1653.	1.0	1
26	A dimorphism shift of hepatitis B virus capsids in response to ionic conditions. Nanoscale, 2018, 10, 16984-16989.	5.6	6
27	Accessibility from the Cytoplasm Is Critical for ssrA Tag-Mediated Degradation of Integral Membrane Proteins by ClpXP Protease. Biochemistry, 2018, 57, 5602-5608.	2.5	4
28	Dual-Functional-Tag-Facilitated Protein Labeling and Immobilization. ACS Omega, 2017, 2, 522-528.	3.5	4
29	Layer-by-layer assembled membranes with immobilized porins. RSC Advances, 2017, 7, 56123-56136.	3.6	11
30	The ssrA-Tag Facilitated Degradation of an Integral Membrane Protein. Biochemistry, 2016, 55, 2301-2304.	2.5	9
31	Study of the degradation of a multidrug transporter using a non-radioactive pulse chase method. Analytical and Bioanalytical Chemistry, 2016, 408, 7745-7751.	3.7	10
32	Structure of inorganic pyrophosphatase from Staphylococcus aureus reveals conformational flexibility of the active site. Journal of Structural Biology, 2015, 189, 81-86.	2.8	16
33	Repressive mutations restore function-loss caused by the disruption of trimerization in Escherichia coli multidrug transporter AcrB. Frontiers in Microbiology, 2015, 6, 4.	3.5	10
34	Cysteine residue is not essential for CPM protein thermal-stability assay. Analytical and Bioanalytical Chemistry, 2015, 407, 3683-3691.	3.7	15
35	Functional Relevance of AcrB Trimerization in Pump Assembly and Substrate Binding. PLoS ONE, 2014, 9, e89143.	2.5	6
36	Unfolding study of a trimeric membrane protein AcrB. Protein Science, 2014, 23, 897-905.	7.6	5

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37	Using U-Shaped Localized Surface Plasmon Resonance Sensors to Compensate for Nonspecific Interactions. IEEE Nanotechnology Magazine, 2014, 13, 55-61.	2.0	18
38	Effect of crowding by Ficolls on OmpA and OmpT refolding and membrane insertion. Protein Science, 2013, 22, 239-245.	7.6	8
39	Dissecting the function of a protruding loop in AcrB trimerization. Journal of Biomolecular Structure and Dynamics, 2013, 31, 385-392.	3.5	7
40	Coplanar Polychlorinated Biphenyls Impair Glucose Homeostasis in Lean C57BL/6 Mice and Mitigate Beneficial Effects of Weight Loss on Glucose Homeostasis in Obese Mice. Environmental Health Perspectives, 2013, 121, 105-110.	6.0	105
41	Insights into the Function and Structural Flexibility of the Periplasmic Molecular Chaperone SurA. Journal of Bacteriology, 2013, 195, 1061-1067.	2.2	15
42	Oriented Immobilization of Proteins on Hydroxyapatite Surface Using Bifunctional Bisphosphonates as Linkers. Biomacromolecules, 2012, 13, 1742-1749.	5.4	31
43	Differentiating surface and bulk interactions using localized surface plasmon resonances of gold nanorods. Optics Express, 2012, 20, 6905.	3.4	15
44	Multi-mode localized surface plasmon resonance sensors for compensation of interfering effects. , 2012, , .		1
45	Assembling of AcrB Trimer in Cell Membrane. Journal of Molecular Biology, 2012, 423, 123-134.	4.2	14
46	Nanoparticle-Mediated Remote Control of Enzymatic Activity. ACS Nano, 2012, 6, 9079-9086.	14.6	43
47	Accumulation and efflux of polychlorinated biphenyls in Escherichia coli. Analytical and Bioanalytical Chemistry, 2012, 403, 2403-2409.	3.7	4
48	Probing a myth: does the younger generation of scientists have it easier?. Analytical and Bioanalytical Chemistry, 2012, 403, 2065-2067.	3.7	3
49	Small Globular Protein Motif Forms Particulate Hydrogel under Various pH Conditions. Biomacromolecules, 2011, 12, 1578-1584.	5.4	14
50	Folding of AcrB Subunit Precedes Trimerization. Journal of Molecular Biology, 2011, 411, 264-274.	4.2	25
51	AcrB Trimer Stability and Efflux Activity, Insight from Mutagenesis Studies. PLoS ONE, 2011, 6, e28390.	2.5	25
52	A Reporter Platform for the Monitoring of In Vivo Conformational Changes in AcrB. Protein and Peptide Letters, 2011, 18, 863-871.	0.9	12
53	Binding of small molecules to cavity forming mutants of a de novo designed protein. Protein Science, 2011, 20, 702-711.	7.6	9
54	Expression, Purification and Characterization of the Escherichia coli Integral Membrane Protein YajC. Protein and Peptide Letters, 2011, 18, 601-608.	0.9	13

#	Article	IF	Citations
55	Insight into the Multidrugâ€Efflux Pump AcrB Oligomerization Process. FASEB Journal, 2011, 25, 932.9.	0.5	0
56	Folding of individual subunits of AcrB before trimerization. FASEB Journal, 2011, 25, .	0.5	0
57	Direct Fluorescence Polarization Assay for the Detection of Glycopeptide Antibiotics. Analytical Chemistry, 2010, 82, 7044-7048.	6.5	20
58	Enabling technologies in discovery: the 2009 Nobel Prize and its implications in antibiotic design. Analytical and Bioanalytical Chemistry, 2010, 396, 1623-1626.	3.7	0
59	Detection of proteinâ€“DNA interaction and regulation using gold nanoparticles. Analytical Biochemistry, 2010, 399, 262-267.	2.4	16
60	Site Specific and Reversible Protein Immobilization Facilitated by A DNA Binding Fusion Tag. Bioconjugate Chemistry, 2010, 21, 1177-1182.	3.6	15
61	Glucose Responsive Hydrogel Networks Based on Protein Recognition. Macromolecular Bioscience, 2009, 9, 864-868.	4.1	61
62	Characterization of a Recombinant Thermostable Dehalogenase Isolated from the Hot Spring Thermophile Sulfolobus tokodaii. Applied Biochemistry and Biotechnology, 2009, 159, 382-393.	2.9	7
63	Detection of halogenated organic compounds using immobilized thermophilic dehalogenase. Analytical and Bioanalytical Chemistry, 2009, 395, 1173-1178.	3.7	14
64	Binding and Transport of Metal Ions at the Dimer Interface of the Escherichia coli Metal Transporter YiiP. Journal of Biological Chemistry, 2006, 281, 23492-23502.	3.4	76
65	Selective Metal Binding to a Membrane-embedded Aspartate in the Escherichia coli Metal Transporter YiiP (FieF). Journal of Biological Chemistry, 2005, 280, 33716-33724.	3.4	96
66	Enzyme-like proteins from an unselected library of designed amino acid sequences. Protein Engineering, Design and Selection, 2004, 17, 67-75.	2.1	77
67	Oligomeric State of the Escherichia coli Metal Transporter YiiP. Journal of Biological Chemistry, 2004, 279, 39251-39259.	3.4	58
68	De novo proteins from designed combinatorial libraries. Protein Science, 2004, 13, 1711-1723.	7.6	237
69	Ab initio prediction of the three-dimensional structure of a de novo designed protein: A double-blind case study. Proteins: Structure, Function and Bioinformatics, 2004, 58, 560-570.	2.6	59
70	1H, 13C and 15N resonance assignments of S-824, a de novo four-helix bundle from a designed combinatorial library. Journal of Biomolecular NMR, 2003, 27, 395-396.	2.8	5
71	Stably folded de novo proteins from a designed combinatorial library. Protein Science, 2003, 12, 92-102.	7.6	101
72	Solution structure of a de novo protein from a designed combinatorial library. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13270-13273.	7.1	107