

Qian Liu

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

868
citations

933447

10
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1150
citing authors

#	ARTICLE	IF	CITATIONS
1	Utility of B-Factors in Protein Science: Interpreting Rigidity, Flexibility, and Internal Motion and Engineering Thermostability. <i>Chemical Reviews</i> , 2019, 119, 1626-1665.	47.7	317
2	Biosynthesis of plant-derived ginsenoside Rh2 in yeast via repurposing a key promiscuous microbial enzyme. <i>Metabolic Engineering</i> , 2017, 42, 25-32.	7.0	119
3	The state-of-the-art strategies of protein engineering for enzyme stabilization. <i>Biotechnology Advances</i> , 2019, 37, 530-537.	11.7	117
4	Argonaute integrated single-tube PCR system enables supersensitive detection of rare mutations. <i>Nucleic Acids Research</i> , 2021, 49, e75-e75.	14.5	66
5	Use B-factor related features for accurate classification between protein binding interfaces and crystal packing contacts. <i>BMC Bioinformatics</i> , 2014, 15, S3.	2.6	56
6	OptRAM: In-silico strain design via integrative regulatory-metabolic network modeling. <i>PLoS Computational Biology</i> , 2019, 15, e1006835.	3.2	41
7	Argonaute-integrated isothermal amplification for rapid, portable, multiplex detection of SARS-CoV-2 and influenza viruses. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114169.	10.1	41
8	Elucidation of Piericidin A1 Biosynthetic Locus Revealed a Thioesterase-Dependent Mechanism of β -Pyridone Ring Formation. <i>Chemistry and Biology</i> , 2012, 19, 243-253.	6.0	38
9	Characterization of the positive SARP family regulator PieR for improving piericidin A1 production in <i>Streptomyces piomogeeus</i> var. <i>Hangzhouwanensis</i> . <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 16-24.	3.7	18
10	A Hyperthermophilic Argonaute From <i>Ferroplasma acidiphilum</i> With Specificity on Guide Binding Pattern. <i>Frontiers in Microbiology</i> , 2021, 12, 654345.	3.5	18
11	Probing and Engineering the Fatty Acyl Substrate Selectivity of Starter Condensation Domains of Nonribosomal Peptide Synthetases in Lipopeptide Biosynthesis. <i>Biotechnology Journal</i> , 2020, 15, e1900175.	3.5	9
12	Loosely-packed dynamical structures with partially-melted surface being the key for thermophilic argonaute proteins achieving high DNA-cleavage activity. <i>Nucleic Acids Research</i> , 2022, 50, 7529-7544.	14.5	9
13	Co-Occurring Atomic Contacts for the Characterization of Protein Binding Hot Spots. <i>PLoS ONE</i> , 2015, 10, e0144486.	2.5	8
14	Oncogenic Mutations and Tumor Microenvironment Alterations of Older Patients With Diffuse Large B-Cell Lymphoma. <i>Frontiers in Immunology</i> , 2022, 13, 842439.	4.8	5
15	An Artificial Biosynthetic Pathway for 2-Amino-1,3-Propanediol Production Using Metabolically Engineered <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 548-556.	3.8	4
16	Characterization of protein interaction surface on fatty acyl selectivity of starter condensation domain in lipopeptide biosynthesis. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 653-660.	3.6	2