Yan Nie

List of Publications by Year
in descending order

20 papers	726 citations	687363 13 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	1077 citing authors

#	Article	IF	Citations
1	Harnessing coronavirus spike proteins' binding affinity to ACE2 receptor through a novel baculovirus surface display system. Biochemical and Biophysical Research Communications, 2022, 606, 23-28.	2.1	4
2	Development of a Broadly Applicable Cas12a-Linked Beam Unlocking Reaction for Sensitive and Specific Detection of Respiratory Pathogens Including SARS-CoV-2. ACS Chemical Biology, 2021, 16, 491-500.	3.4	12
3	Mediator structure and conformation change. Molecular Cell, 2021, 81, 1781-1788.e4.	9.7	15
4	THUMPD3â€“TRMT112 is a m2G methyltransferase working on a broad range of tRNA substrates. Nucleic Acids Research, 2021, 49, 11900-11919.	14.5	21
5	Structural and functional basis of the selectivity filter as a gate in human TRPM2 channel. Cell Reports, 2021, 37, 110025.	6.4	14
6	Intellectual disabilityâ€associated gene ftsj1 is responsible for 2â€²â€Oâ€methylation of specific tRNAs. EMBO Reports, 2020, 21, e50095.	4.5	34
7	Structural analysis of Shigella flexneri bi-functional enzyme HisIE in histidine biosynthesis. Biochemical and Biophysical Research Communications, 2019, 516, 540-545.	2.1	4
8	Constructing a synthetic pathway for acetyl-coenzyme A from one-carbon through enzyme design. Nature Communications, 2019, 10, 1378.	12.8	128
9	Structure and Molecular Dynamics Simulations of Protein Tyrosine Phosphatase Non-Receptor 12 Provide Insights into the Catalytic Mechanism of the Enzyme. International Journal of Molecular Sciences, 2018, 19, 60.	4.1	8
10	Uncover the myths of voltage-gated sodium channels: cryo-EM structure of the EeNav1.4-Î²1 complex. Science Bulletin, 2017, 62, 1291-1292.	9.0	0
11	ACEMBL Tool-Kits for High-Throughput Multigene Delivery and Expression in Prokaryotic and Eukaryotic Hosts. Advances in Experimental Medicine and Biology, 2016, 896, 27-42.	1.6	17
12	pHâ€Regulated Selectivity in Supramolecular Polymerizations: Switching between Coâ€•and Homopolymers. Chemistry - A European Journal, 2015, 21, 3304-3309.	3.3	69
13	The role of Bni5 in the regulation of septin higher-order structure formation. Biological Chemistry, 2015, 396, 1325-1337.	2.5	19
14	Multiprotein Complex Production in Insect Cells by Using Polyproteins. Methods in Molecular Biology, 2014, 1091, 131-141.	0.9	34
15	Tandem Recombineering by SLIC Cloning and Cre-LoxP Fusion to Generate Multigene Expression Constructs for Protein Complex Research. Methods in Molecular Biology, 2013, 1073, 131-140.	0.9	23
16	Structural insights into transcription complexes. Journal of Structural Biology, 2011, 175, 135-146.	2.8	14
17	New baculovirus expression tools for recombinant protein complex production. Journal of Structural Biology, 2010, 172, 45-54.	2.8	182
18	Automated unrestricted multigene recombineering for multiprotein complex production. Nature Methods, 2009, 6, 447-450.	19.0	98

#	Article	IF	Citations
19	Getting a Grip on Complexes. Current Genomics, 2009, 10, 558-572.	1.6	27
20	ACEMBLing multigene expression vectors by recombineering. Protocol Exchange, 0, , .	0.3	3