

Zibo Chen

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.

17
papers

1,035
citations

10
h-index

23
g-index

23
ext. papers

1,374
ext. citations

28.4
avg, IF

4.16
L-index

#	Paper	IF	Citations
17	Interpreting neural networks for biological sequences by learning stochastic masks. <i>Nature Machine Intelligence</i> , 2022 , 4, 41-54	22.5	0
16	Competitive Displacement of De Novo Designed HeteroDimers Can Reversibly Control Protein-Protein Interactions and Implement Feedback in Synthetic Circuits 2022 , 1, 91-100		1
15	Programmable protein circuit design. <i>Cell</i> , 2021 , 184, 2284-2301	56.2	8
14	De novo design of protein logic gates. <i>Science</i> , 2020 , 368, 78-84	33.3	88
13	Rapid online buffer exchange for screening of proteins, protein complexes and cell lysates by native mass spectrometry. <i>Nature Protocols</i> , 2020 , 15, 1132-1157	18.8	46
12	Modulating mechanical stability of heterodimerization between engineered orthogonal helical domains. <i>Nature Communications</i> , 2020 , 11, 4476	17.4	6
11	Functional expression and characterization of the envelope glycoprotein E1E2 heterodimer of hepatitis C virus. <i>PLoS Pathogens</i> , 2019 , 15, e1007759	7.6	15
10	De novo design of tunable, pH-driven conformational changes. <i>Science</i> , 2019 , 364, 658-664	33.3	60
9	Self-Assembling 2D Arrays with de Novo Protein Building Blocks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8891-8895	16.4	24
8	De novo design of bioactive protein switches. <i>Nature</i> , 2019 , 572, 205-210	50.4	113
7	Creating the protein version of DNA base pairing. <i>Science</i> , 2019 , 366, 965	33.3	
6	Programmable design of orthogonal protein heterodimers. <i>Nature</i> , 2019 , 565, 106-111	50.4	87
5	Accurate computational design of multipass transmembrane proteins. <i>Science</i> , 2018 , 359, 1042-1046	33.3	93
4	A cargo-sorting DNA robot. <i>Science</i> , 2017 , 357,	33.3	287
3	De novo design of protein homo-oligomers with modular hydrogen-bond network-mediated specificity. <i>Science</i> , 2016 , 352, 680-7	33.3	194
2	A game-theoretic model of interactions between Hibiscus latent Singapore virus and tobacco mosaic virus. <i>PLoS ONE</i> , 2012 , 7, e37007	3.7	7
1	Rapid Online Buffer Exchange: A Method for Screening of Proteins, Protein Complexes, and Cell Lysates by Native Mass Spectrometry		4

