

Raghav Shroff

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

741
citations

1307594

7
h-index

1474206

9
g-index

12
all docs

12
docs citations

12
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Bst DNA Polymerase Variants Derived <i>via</i> a Machine Learning Approach. <i>Biochemistry</i> , 2023, 62, 410-418.	2.5	20
2	<scp>DLPacker</scp>: Deep learning for prediction of amino acid side chain conformations in proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 1278-1290.	2.6	24
3	Recovery of Information Stored in Modified DNA with an Evolved Polymerase. <i>ACS Synthetic Biology</i> , 2022, 11, 554-561.	3.8	3
4	Machine learning-aided engineering of hydrolases for PET depolymerization. <i>Nature</i> , 2022, 604, 662-667.	27.8	396
5	Discovery of Novel Gain-of-Function Mutations Guided by Structure-Based Deep Learning. <i>ACS Synthetic Biology</i> , 2020, 9, 2927-2935.	3.8	80
6	Evolving Bacterial Fitness with an Expanded Genetic Code. <i>Scientific Reports</i> , 2018, 8, 3288.	3.3	8
7	Evolution of a Thermophilic Strand-Displacing Polymerase Using High-Temperature Isothermal Compartmentalized Self-Replication. <i>Biochemistry</i> , 2018, 57, 4607-4619.	2.5	32
8	Custom selenoprotein production enabled by laboratory evolution of recoded bacterial strains. <i>Nature Biotechnology</i> , 2018, 36, 624-631.	17.5	39
9	Synthetic evolutionary origin of a proofreading reverse transcriptase. <i>Science</i> , 2016, 352, 1590-1593.	12.6	119