

Ramesh K Jha

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

592
citations

686830

13
h-index

752256

20
g-index

29
all docs

29
docs citations

29
times ranked

1024
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering glucose metabolism for enhanced muconic acid production in <i>Pseudomonas putida</i> KT2440. <i>Metabolic Engineering</i> , 2020, 59, 64-75.	3.6	76
2	Computational Design of a PAK1 Binding Protein. <i>Journal of Molecular Biology</i> , 2010, 400, 257-270.	2.0	69
3	Engineering an <i>Acinetobacter</i> regulon for biosensing and high-throughput enzyme screening in <i>E. coli</i> via flow cytometry. <i>Nucleic Acids Research</i> , 2014, 42, 8150-8160.	6.5	59
4	Genome Sequence and Transcriptome Analyses of <i>Chrysochromulina tobin</i> : Metabolic Tools for Enhanced Algal Fitness in the Prominent Order Prymnesiales (Haptophyceae). <i>PLoS Genetics</i> , 2015, 11, e1005469.	1.5	58
5	Rosetta comparative modeling for library design: Engineering alternative inducer specificity in a transcription factor. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1327-1340.	1.5	51
6	A pangenomic analysis of the <i>Nannochloropsis</i> organellar genomes reveals novel genetic variations in key metabolic genes. <i>BMC Genomics</i> , 2014, 15, 212.	1.2	41
7	Gene amplification, laboratory evolution, and biosensor screening reveal MucK as a terephthalic acid transporter in <i>Acinetobacter baylyi</i> ADP1. <i>Metabolic Engineering</i> , 2020, 62, 260-274.	3.6	35
8	A microbial sensor for organophosphate hydrolysis exploiting an engineered specificity switch in a transcription factor. <i>Nucleic Acids Research</i> , 2016, 44, 8490-8500.	6.5	31
9	The mitochondrial and chloroplast genomes of the haptophyte <i>Chrysochromulina tobin</i> contain unique repeat structures and gene profiles. <i>BMC Genomics</i> , 2014, 15, 604.	1.2	30
10	A protocatechuate biosensor for <i>Pseudomonas putida</i> KT2440 via promoter and protein evolution. <i>Metabolic Engineering Communications</i> , 2018, 6, 33-38.	1.9	29
11	Sensor-Enabled Alleviation of Product Inhibition in Chorismate Pyruvate-Lyase. <i>ACS Synthetic Biology</i> , 2019, 8, 775-786.	1.9	23
12	An improved Protein G with higher affinity for human/rabbit IgG Fc domains exploiting a computationally designed polar network. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 127-134.	1.0	21
13	3D structure analysis of PAKs. <i>Cellular Logistics</i> , 2012, 2, 69-77.	0.9	16
14	Rapid Thermostabilization of <i>Bacillus thuringiensis</i> Serovar Konkukian 97â€™27 Dehydroshikimate Dehydratase through a Structure-Based Enzyme Design and Whole Cell Activity Assay. <i>ACS Synthetic Biology</i> , 2017, 6, 120-129.	1.9	14
15	Redesign of the PAK1 Autoinhibitory Domain for Enhanced Stability and Affinity in Biosensor Applications. <i>Journal of Molecular Biology</i> , 2011, 413, 513-522.	2.0	10
16	Combined computational design of a zinc-binding site and a protein-protein interaction: One open zinc coordination site was not a robust hotspot for de novo ubiquitin binding. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 1245-1255.	1.5	10
17	Smart Microbial Cells Couple Catalysis and Sensing to Provide High-Throughput Selection of an Organophosphate Hydrolase. <i>ACS Synthetic Biology</i> , 2020, 9, 1234-1239.	1.9	7
18	Identifying key determinants and dynamics of SARS-CoV-2/ACE2 tight interaction. <i>PLoS ONE</i> , 2021, 16, e0257905.	1.1	6

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19	Exploring the sequenceâ€function relationship in transcriptional regulation by the <i>lac</i> O ₁ operator. FEBS Journal, 2012, 279, 2534-2543.	2.2	3
20	Engineered pH-Sensitive Protein G/IgG Interaction. ACS Chemical Biology, 2021, 16, 1142-1146.	1.6	0