

Sungho Jang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9273080/publications.pdf>

Version: 2024-02-01

22
papers

1,132
citations

516561

16
h-index

713332

21
g-index

24
all docs

24
docs citations

24
times ranked

1657
citing authors

#	ARTICLE	IF	CITATIONS
1	Global metabolic interaction network of the human gut microbiota for context-specific community-scale analysis. <i>Nature Communications</i> , 2017, 8, 15393.	5.8	216
2	Synthetic RNA devices to expedite the evolution of metabolite-producing microbes. <i>Nature Communications</i> , 2013, 4, 1413.	5.8	140
3	Sensitive fluorescence detection of SARS-CoV-2 RNA in clinical samples via one-pot isothermal ligation and transcription. <i>Nature Biomedical Engineering</i> , 2020, 4, 1168-1179.	11.6	133
4	Naringenin-responsive riboswitch-based fluorescent biosensor module for <i>Escherichia coli</i> co-cultures. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2235-2244.	1.7	83
5	Development of Artificial Riboswitches for Monitoring of Naringenin <i>In Vivo</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 2077-2085.	1.9	78
6	Design and optimization of genetically encoded biosensors for high-throughput screening of chemicals. <i>Current Opinion in Biotechnology</i> , 2018, 54, 18-25.	3.3	72
7	Rational Engineering of Enzyme Allosteric Regulation through Sequence Evolution Analysis. <i>PLoS Computational Biology</i> , 2012, 8, e1002612.	1.5	71
8	Synthetic biology: Tools to design microbes for the production of chemicals and fuels. <i>Biotechnology Advances</i> , 2013, 31, 811-817.	6.0	56
9	On-chip analysis, indexing and screening for chemical producing bacteria in a microfluidic static droplet array. <i>Lab on A Chip</i> , 2016, 16, 1909-1916.	3.1	51
10	RNA-based dynamic genetic controllers: development strategies and applications. <i>Current Opinion in Biotechnology</i> , 2018, 53, 1-11.	3.3	37
11	Artificial Caprolactam-Specific Riboswitch as an Intracellular Metabolite Sensor. <i>ACS Synthetic Biology</i> , 2019, 8, 1276-1283.	1.9	30
12	Multi-level engineering of Baeyer-Villiger monooxygenase-based <i>Escherichia coli</i> biocatalysts for the production of C9 chemicals from oleic acid. <i>Metabolic Engineering</i> , 2019, 54, 137-144.	3.6	30
13	Molecular parts and genetic circuits for metabolic engineering of microorganisms. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	22
14	Optimization of hexanoic acid production in recombinant <i>Escherichia coli</i> by precise flux rebalancing. <i>Bioresource Technology</i> , 2018, 247, 1253-1257.	4.8	21
15	Riboselector. <i>Methods in Enzymology</i> , 2015, 550, 341-362.	0.4	17
16	Systematic optimization of L-tryptophan riboswitches for efficient monitoring of the metabolite in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2018, 115, 266-271.	1.7	16
17	Multi-level rebalancing of the naringenin pathway using riboswitch-guided high-throughput screening. <i>Metabolic Engineering</i> , 2021, 67, 417-427.	3.6	15
18	Tools and systems for evolutionary engineering of biomolecules and microorganisms. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1313-1326.	1.4	12

#	ARTICLE	IF	CITATIONS
19	Novel Hybrid Input Part Using Riboswitch and Transcriptional Repressor for Signal Inverting Amplifier. ACS Synthetic Biology, 2018, 7, 2199-2204.	1.9	9
20	Signal amplification and optimization of riboswitch-based hybrid inputs by modular and titratable toehold switches. Journal of Biological Engineering, 2021, 15, 11.	2.0	7
21	Toward tunable dynamic repression using CRISPRi. Biotechnology Journal, 2018, 13, e1800152.	1.8	6
22	Synthetic Regulatory Tools to Engineer Microbial Cell Factories for Chemical Production. , 2019, , 115-141.		0