

Xinyi Wan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4909499/publications.pdf>

Version: 2024-02-01

11
papers

505
citations

1163117

8
h-index

1588992

8
g-index

12
all docs

12
docs citations

12
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Prokaryote Synthetic Biology Biosensors. , 2022, , 283-318.		1
2	Reprogrammed tracrRNAs enable repurposing of RNAs as crRNAs and sequence-specific RNA biosensors. Nature Communications, 2022, 13, 1937.	12.8	17
3	Programming living sensors for environment, health and biomanufacturing. Microbial Biotechnology, 2021, 14, 2334-2342.	4.2	12
4	Synthetic protein-binding DNA sponge as a tool to tune gene expression and mitigate protein toxicity. Nature Communications, 2020, 11, 5961.	12.8	27
5	New Tools for Rapid and Sensitive Detection of Water Contamination: Whole-Cell Biosensors and Cell-Free TX-TL Systems. NATO Science for Peace and Security Series A: Chemistry and Biology, 2020, , 239-241.	0.5	0
6	Engineering Prokaryote Synthetic Biology Biosensors. , 2019, , 1-37.		12
7	Comprehensive Profiling of Diverse Genetic Reporters with Application to Whole-Cell and Cell-Free Biosensors. Analytical Chemistry, 2019, 91, 15284-15292.	6.5	56
8	Engineered CRISPRa enables programmable eukaryote-like gene activation in bacteria. Nature Communications, 2019, 10, 3693.	12.8	90
9	Cascaded amplifying circuits enable ultrasensitive cellular sensors for toxic metals. Nature Chemical Biology, 2019, 15, 540-548.	8.0	199
10	Orthogonality and Burdens of Heterologous AND Gate Gene Circuits in <i>E. coli</i> . ACS Synthetic Biology, 2018, 7, 553-564.	3.8	49
11	5 α -AMP-Activated Protein Kinase-Activating Transcription Factor 1 Cascade Modulates Human Monocyte-Derived Macrophages to Atheroprotective Functions in Response to Heme or Metformin. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2470-2480.	2.4	39