

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