

James Chappell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1133136/publications.pdf>

Version: 2024-02-01

14
papers

957
citations

933447

10
h-index

1058476

14
g-index

22
all docs

22
docs citations

22
times ranked

868
citing authors

#	ARTICLE	IF	CITATIONS
1	Creating small transcription activating RNAs. <i>Nature Chemical Biology</i> , 2015, 11, 214-220.	8.0	220
2	Rapidly Characterizing the Fast Dynamics of RNA Genetic Circuitry with Cell-Free Transcription-Translation (TX-TL) Systems. <i>ACS Synthetic Biology</i> , 2015, 4, 503-515.	3.8	154
3	A renaissance in RNA synthetic biology: new mechanisms, applications and tools for the future. <i>Current Opinion in Chemical Biology</i> , 2015, 28, 47-56.	6.1	140
4	Computational design of small transcription activating RNAs for versatile and dynamic gene regulation. <i>Nature Communications</i> , 2017, 8, 1051.	12.8	113
5	Characterizing and prototyping genetic networks with cell-free transcription-translation reactions. <i>Methods</i> , 2015, 86, 60-72.	3.8	112
6	The centrality of RNA for engineering gene expression. <i>Biotechnology Journal</i> , 2013, 8, 1379-1395.	3.5	76
7	Distinct timescales of RNA regulators enable the construction of a genetic pulse generator. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1139-1151.	3.3	40
8	Improving fold activation of small transcription activating RNAs (STARs) with rational RNA engineering strategies. <i>Biotechnology and Bioengineering</i> , 2016, 113, 216-225.	3.3	36
9	Rational engineering of a modular bacterial CRISPR-Cas activation platform with expanded target range. <i>Nucleic Acids Research</i> , 2021, 49, 4793-4802.	14.5	22
10	Brave new "RNA world" advances in RNA tools and their application for understanding and engineering biological systems. <i>Current Opinion in Systems Biology</i> , 2019, 14, 32-40.	2.6	15
11	Activating natural product synthesis using CRISPR interference and activation systems in <i>Streptomyces</i> . <i>Nucleic Acids Research</i> , 2022, 50, 7751-7760.	14.5	13
12	RNA Compensation: A Positive Feedback Insulation Strategy for RNA-Based Transcription Networks. <i>ACS Synthetic Biology</i> , 2022, 11, 1240-1250.	3.8	5
13	Uncovering the Distinct Properties of a Bacterial Type I-E CRISPR Activation System. <i>ACS Synthetic Biology</i> , 2022, , .	3.8	3
14	Turning It Up to 11: Modular Proteins Amplify RNA Sensors for Sophisticated Circuitry. <i>Cell Systems</i> , 2016, 3, 509-511.	6.2	0