Ahmed Mahas

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7933809/publications.pdf

Version: 2024-02-01

21 papers	2,667 citations	471509 17 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	3377 citing authors

#	Article	IF	Citations
1	Development of Cas12a-Based Cell-Free Small-Molecule Biosensors via Allosteric Regulation of CRISPR Array Expression. Analytical Chemistry, 2022, 94, 4617-4626.	6.5	25
2	Bio-SCAN: A CRISPR/dCas9-Based Lateral Flow Assay for Rapid, Specific, and Sensitive Detection of SARS-CoV-2. ACS Synthetic Biology, 2022, 11, 406-419.	3.8	48
3	Characterization of a thermostable Cas13 enzyme for one-pot detection of SARS-CoV-2. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	33
4	LAMP-Coupled CRISPRâ€“Cas12a Module for Rapid and Sensitive Detection of Plant DNA Viruses. Viruses, 2021, 13, 466.	3.3	62
5	Vigilant: An Engineered VirD2-Cas9 Complex for Lateral Flow Assay-Based Detection of SARS-CoV2. Nano Letters, 2021, 21, 3596-3603.	9.1	52
6	A Novel Miniature CRISPR-Cas13 System for SARS-CoV-2 Diagnostics. ACS Synthetic Biology, 2021, 10, 2541-2551.	3.8	34
7	iSCAN-V2: A One-Pot RT-RPAâ€“CRISPR/Cas12b Assay for Point-of-Care SARS-CoV-2 Detection. Frontiers in Bioengineering and Biotechnology, 2021, 9, 800104.	4.1	24
8	iSCAN: An RT-LAMP-coupled CRISPR-Cas12 module for rapid, sensitive detection of SARS-CoV-2. Virus Research, 2020, 288, 198129.	2.2	226
9	Engineering crops of the future: CRISPR approaches to develop climate-resilient and disease-resistant plants. Genome Biology, 2020, 21, 289.	8.8	102
10	Nucleic Acid Detection Using CRISPR/Cas Biosensing Technologies. ACS Synthetic Biology, 2020, 9, 1226-1233.	3.8	226
11	Efficient, Rapid, and Sensitive Detection of Plant RNA Viruses With One-Pot RT-RPAâ€“CRISPR/Cas12a Assay. Frontiers in Microbiology, 2020, 11, 610872.	3.5	94
12	Plant Genome Engineering for Targeted Improvement of Crop Traits. Frontiers in Plant Science, 2019, 10, 114.	3.6	149
13	CRISPR-Cas13d mediates robust RNA virus interference in plants. Genome Biology, 2019, 20, 263.	8.8	124
14	Virus-Mediated Genome Editing in Plants Using the CRISPR/Cas9 System. Methods in Molecular Biology, 2019, 1917, 311-326.	0.9	16
15	CRISPR/Cas13 as a Tool for RNA Interference. Trends in Plant Science, 2018, 23, 374-378.	8.8	64
16	Harnessing CRISPR/Cas systems for programmable transcriptional and post-transcriptional regulation. Biotechnology Advances, 2018, 36, 295-310.	11.7	87
17	Engineering RNA Virus Interference via the CRISPR/Cas13 Machinery in Arabidopsis. Viruses, 2018, 10, 732.	3.3	75
18	Engineering virus resistance via CRISPRâ€“Cas systems. Current Opinion in Virology, 2018, 32, 1-8.	5.4	53

#	Article	IF	Citations
19	RNA virus interference via CRISPR/Cas13a system in plants. Genome Biology, 2018, 19, 1.	8.8	1,148
20	Copy number variation in archival melanoma biopsies versus benign melanocytic lesions. Cancer Biomarkers, 2016, 16, 575-597.	1.7	4
21	Genomic DNA extraction methods using formalin-fixed paraffin-embedded tissue. Analytical Biochemistry, 2015, 486, 17-23.	2.4	18