

# 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

535685

17  
h-index

799663

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

3687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Cas12a-Based Cell-Free Small-Molecule Biosensors via Allosteric Regulation of CRISPR Array Expression. <i>Analytical Chemistry</i> , 2022, 94, 4617-4626.	3.2	25
2	Bio-SCAN: A CRISPR/dCas9-Based Lateral Flow Assay for Rapid, Specific, and Sensitive Detection of SARS-CoV-2. <i>ACS Synthetic Biology</i> , 2022, 11, 406-419.	1.9	48
3	Characterization of a thermostable Cas13 enzyme for one-pot detection of SARS-CoV-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	33
4	LAMP-Coupled CRISPR-Cas12a Module for Rapid and Sensitive Detection of Plant DNA Viruses. <i>Viruses</i> , 2021, 13, 466.	1.5	62
5	Vigilant: An Engineered VirD2-Cas9 Complex for Lateral Flow Assay-Based Detection of SARS-CoV2. <i>Nano Letters</i> , 2021, 21, 3596-3603.	4.5	52
6	A Novel Miniature CRISPR-Cas13 System for SARS-CoV-2 Diagnostics. <i>ACS Synthetic Biology</i> , 2021, 10, 2541-2551.	1.9	34
7	iSCAN-V2: A One-Pot RT-RPA-CRISPR/Cas12b Assay for Point-of-Care SARS-CoV-2 Detection. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 800104.	2.0	24
8	iSCAN: An RT-LAMP-coupled CRISPR-Cas12 module for rapid, sensitive detection of SARS-CoV-2. <i>Virus Research</i> , 2020, 288, 198129.	1.1	226
9	Engineering crops of the future: CRISPR approaches to develop climate-resilient and disease-resistant plants. <i>Genome Biology</i> , 2020, 21, 289.	3.8	102
10	Nucleic Acid Detection Using CRISPR/Cas Biosensing Technologies. <i>ACS Synthetic Biology</i> , 2020, 9, 1226-1233.	1.9	226
11	Efficient, Rapid, and Sensitive Detection of Plant RNA Viruses With One-Pot RT-RPA-CRISPR/Cas12a Assay. <i>Frontiers in Microbiology</i> , 2020, 11, 610872.	1.5	94
12	Plant Genome Engineering for Targeted Improvement of Crop Traits. <i>Frontiers in Plant Science</i> , 2019, 10, 114.	1.7	149
13	CRISPR-Cas13d mediates robust RNA virus interference in plants. <i>Genome Biology</i> , 2019, 20, 263.	3.8	124
14	Virus-Mediated Genome Editing in Plants Using the CRISPR/Cas9 System. <i>Methods in Molecular Biology</i> , 2019, 1917, 311-326.	0.4	16
15	CRISPR/Cas13 as a Tool for RNA Interference. <i>Trends in Plant Science</i> , 2018, 23, 374-378.	4.3	64
16	Harnessing CRISPR/Cas systems for programmable transcriptional and post-transcriptional regulation. <i>Biotechnology Advances</i> , 2018, 36, 295-310.	6.0	87
17	Engineering RNA Virus Interference via the CRISPR/Cas13 Machinery in Arabidopsis. <i>Viruses</i> , 2018, 10, 732.	1.5	75
18	Engineering virus resistance via CRISPR-Cas systems. <i>Current Opinion in Virology</i> , 2018, 32, 1-8.	2.6	53

#	ARTICLE	IF	CITATIONS
19	RNA virus interference via CRISPR/Cas13a system in plants. <i>Genome Biology</i> , 2018, 19, 1.	3.8	1,148
20	Copy number variation in archival melanoma biopsies versus benign melanocytic lesions. <i>Cancer Biomarkers</i> , 2016, 16, 575-597.	0.8	4
21	Genomic DNA extraction methods using formalin-fixed paraffin-embedded tissue. <i>Analytical Biochemistry</i> , 2015, 486, 17-23.	1.1	18