

# 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

471477

17  
h-index

713444

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

3377  
citing authors

#	ARTICLE	IF	CITATIONS
1	RNA virus interference via CRISPR/Cas13a system in plants. <i>Genome Biology</i> , 2018, 19, 1.	8.8	1,148
2	iSCAN: An RT-LAMP-coupled CRISPR-Cas12 module for rapid, sensitive detection of SARS-CoV-2. <i>Virus Research</i> , 2020, 288, 198129.	2.2	226
3	Nucleic Acid Detection Using CRISPR/Cas Biosensing Technologies. <i>ACS Synthetic Biology</i> , 2020, 9, 1226-1233.	3.8	226
4	Plant Genome Engineering for Targeted Improvement of Crop Traits. <i>Frontiers in Plant Science</i> , 2019, 10, 114.	3.6	149
5	CRISPR-Cas13d mediates robust RNA virus interference in plants. <i>Genome Biology</i> , 2019, 20, 263.	8.8	124
6	Engineering crops of the future: CRISPR approaches to develop climate-resilient and disease-resistant plants. <i>Genome Biology</i> , 2020, 21, 289.	8.8	102
7	Efficient, Rapid, and Sensitive Detection of Plant RNA Viruses With One-Pot RT-RPAâ€“CRISPR/Cas12a Assay. <i>Frontiers in Microbiology</i> , 2020, 11, 610872.	3.5	94
8	Harnessing CRISPR/Cas systems for programmable transcriptional and post-transcriptional regulation. <i>Biotechnology Advances</i> , 2018, 36, 295-310.	11.7	87
9	Engineering RNA Virus Interference via the CRISPR/Cas13 Machinery in Arabidopsis. <i>Viruses</i> , 2018, 10, 732.	3.3	75
10	CRISPR/Cas13 as a Tool for RNA Interference. <i>Trends in Plant Science</i> , 2018, 23, 374-378.	8.8	64
11	LAMP-Coupled CRISPRâ€“Cas12a Module for Rapid and Sensitive Detection of Plant DNA Viruses. <i>Viruses</i> , 2021, 13, 466.	3.3	62
12	Engineering virus resistance via CRISPRâ€“Cas systems. <i>Current Opinion in Virology</i> , 2018, 32, 1-8.	5.4	53
13	Vigilant: An Engineered VirD2-Cas9 Complex for Lateral Flow Assay-Based Detection of SARS-CoV2. <i>Nano Letters</i> , 2021, 21, 3596-3603.	9.1	52
14	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.	3.8	48
15	A Novel Miniature CRISPR-Cas13 System for SARS-CoV-2 Diagnostics. <i>ACS Synthetic Biology</i> , 2021, 10, 2541-2551.	3.8	34
16	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, .	7.1	33
17	Development of Cas12a-Based Cell-Free Small-Molecule Biosensors via Allosteric Regulation of CRISPR Array Expression. <i>Analytical Chemistry</i> , 2022, 94, 4617-4626.	6.5	25
18	iSCAN-V2: A One-Pot RT-RPAâ€“CRISPR/Cas12b Assay for Point-of-Care SARS-CoV-2 Detection. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 800104.	4.1	24

#	ARTICLE	IF	CITATIONS
19	Genomic DNA extraction methods using formalin-fixed paraffin-embedded tissue. Analytical Biochemistry, 2015, 486, 17-23.	2.4	18
20	Virus-Mediated Genome Editing in Plants Using the CRISPR/Cas9 System. Methods in Molecular Biology, 2019, 1917, 311-326.	0.9	16
21	Copy number variation in archival melanoma biopsies versus benign melanocytic lesions. Cancer Biomarkers, 2016, 16, 575-597.	1.7	4