

# Tomas Cermak

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3968533/publications.pdf>

Version: 2024-02-01

20  
papers

6,537  
citations

566801

15  
h-index

752256

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

7456  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient design and assembly of custom TALEN and other TAL effector-based constructs for DNA targeting. <i>Nucleic Acids Research</i> , 2011, 39, e82-e82.	6.5	1,793
2	Targeting DNA Double-Strand Breaks with TAL Effector Nucleases. <i>Genetics</i> , 2010, 186, 757-761.	1.2	1,618
3	De novo domestication of wild tomato using genome editing. <i>Nature Biotechnology</i> , 2018, 36, 1211-1216.	9.4	559
4	High-frequency, precise modification of the tomato genome. <i>Genome Biology</i> , 2015, 16, 232.	3.8	521
5	A Multipurpose Toolkit to Enable Advanced Genome Engineering in Plants. <i>Plant Cell</i> , 2017, 29, 1196-1217.	3.1	469
6	DNA Replicons for Plant Genome Engineering. <i>Plant Cell</i> , 2014, 26, 151-163.	3.1	464
7	Novel alleles of rice <i>elf4G</i> generated by CRISPR/Cas9-targeted mutagenesis confer resistance to <i>Rice tungro spherical virus</i> . <i>Plant Biotechnology Journal</i> , 2018, 16, 1918-1927.	4.1	307
8	CRISPR/Cas9 and TALENs generate heritable mutations for genes involved in small RNA processing of <i>Glycine max</i> and <i>Medicago truncatula</i> . <i>Plant Biotechnology Journal</i> , 2018, 16, 1125-1137.	4.1	147
9	Allele exchange at the <i>EPSPS</i> locus confers glyphosate tolerance in cassava. <i>Plant Biotechnology Journal</i> , 2018, 16, 1275-1282.	4.1	137
10	The role of repetitive DNA in structure and evolution of sex chromosomes in plants. <i>Heredity</i> , 2009, 102, 533-541.	1.2	136
11	Genome editing as a tool to achieve the crop ideotype and de novo domestication of wild relatives: Case study in tomato. <i>Plant Science</i> , 2017, 256, 120-130.	1.7	121
12	Survey of repetitive sequences in <i>Silene latifolia</i> with respect to their distribution on sex chromosomes. <i>Chromosome Research</i> , 2008, 16, 961-976.	1.0	99
13	A Defect in DNA Ligase4 Enhances the Frequency of TALEN-Mediated Targeted Mutagenesis in Rice. <i>Plant Physiology</i> , 2016, 170, 653-666.	2.3	47
14	Efficient Design and Assembly of Custom TALENs Using the Golden Gate Platform. <i>Methods in Molecular Biology</i> , 2015, 1239, 133-159.	0.4	38
15	Possible mechanisms responsible for absence of a retrotransposon family on a plant Y chromosome. <i>New Phytologist</i> , 2014, 202, 662-678.	3.5	37
16	<i>Agrobacterium rhizogenes</i> -mediated transformation of a dioecious plant model <i>Silene latifolia</i> . <i>New Biotechnology</i> , 2019, 48, 20-28.	2.4	16
17	Mouse Genome Engineering Using Designer Nucleases. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	11
18	Design and Assembly of CRISPR/Cas9 Reagents for Gene Knockout, Targeted Insertion, and Replacement in Wheat. <i>Methods in Molecular Biology</i> , 2017, 1679, 187-212.	0.4	7

#	ARTICLE	IF	CITATIONS
19	Sequence modification on demand: search and replace tools for precise gene editing in plants. Transgenic Research, 2021, 30, 353-379.	1.3	7
20	Genome Editing to Achieve the Crop Ideotype in Tomato. Methods in Molecular Biology, 2021, 2264, 219-244.	0.4	3