

Takayuki Arazoe

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

2,151
citations

840585

11
h-index

887953

17
g-index

18
all docs

18
docs citations

18
times ranked

2506
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR-based pathogenic fungal genome editing for control of infection and disease. <i>Progress in Molecular Biology and Translational Science</i> , 2021, 179, 161-196.	0.9	2
2	Genome Editing Using System in the Fungus. <i>Methods in Molecular Biology</i> , 2021, 2356, 149-160.	0.4	1
3	Copy number-dependent DNA methylation of the <i>Pyricularia oryzae</i> MAGGY retrotransposon is triggered by DNA damage. <i>Communications Biology</i> , 2021, 4, 351.	2.0	1
4	Development of genome-editing technologies for plant pathogenic fungi. <i>Journal of General Plant Pathology</i> , 2020, 86, 523-525.	0.6	1
5	Targeted genome editing using CRISPR/Cas9 system in fungi. , 2020, , 45-67.		0
6	Single crossover-mediated targeted nucleotide substitution and knock-in strategies with CRISPR/Cas9 system in the rice blast fungus. <i>Scientific Reports</i> , 2019, 9, 7427.	1.6	28
7	Deaminase-mediated multiplex genome editing in <i>Escherichia coli</i> . <i>Nature Microbiology</i> , 2018, 3, 423-429.	5.9	161
8	Knockout of the SREBP system increases production of the polyketide FR901512 in filamentous fungal sp. No. 14919 and lovastatin in <i>Aspergillus terreus</i> ATCC20542. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 1393-1405.	1.7	16
9	Targeted Nucleotide Editing Technologies for Microbial Metabolic Engineering. <i>Biotechnology Journal</i> , 2018, 13, e1700596.	1.8	39
10	Targeted base editing in rice and tomato using a CRISPR-Cas9 cytidine deaminase fusion. <i>Nature Biotechnology</i> , 2017, 35, 441-443.	9.4	632
11	Detailed analysis of targeted gene mutations caused by the Platinum-Fungal TALENs in <i>Aspergillus oryzae</i> RIB40 strain and a <i>ligD</i> disruptant. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 287-293.	1.1	26
12	Targeted nucleotide editing using hybrid prokaryotic and vertebrate adaptive immune systems. <i>Science</i> , 2016, 353, .	6.0	1,011
13	Tailor-made CRISPR/Cas system for highly efficient targeted gene replacement in the rice blast fungus. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2543-2549.	1.7	166
14	Tailor-made TALEN system for highly efficient targeted gene replacement in the rice blast fungus. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1335-1342.	1.7	36
15	Site-specific DNA double-strand break generated by I-SceI endonuclease enhances ectopic homologous recombination in <i>Pyricularia oryzae</i> . <i>FEMS Microbiology Letters</i> , 2014, 352, 221-229.	0.7	15
16	Experimental evidence of a pathogenic change caused by homologous recombination between endogenous and introduced dysfunctional <i>Avr-Pita</i> genes in <i>Pyricularia oryzae</i> . <i>Journal of General Plant Pathology</i> , 2014, 80, 153-157.	0.6	3
17	The effect of chemicals on somatic homologous recombination in the rice blast fungus: its possible application for detection of mycotoxins. <i>Mycotoxins</i> , 2014, 64, 141-146.	0.2	1
18	Construction of a system for exploring mitotic homologous recombination in the genome of <i>Pyricularia oryzae</i> . <i>Journal of General Plant Pathology</i> , 2013, 79, 422-430.	0.6	12