

Babar Usman

List of Publications by Year in descending order

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15
papers

531
citations

759055

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996849

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docs citations

15
times ranked

329
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitranscriptomics: An Additional Regulatory Layer in Plantsâ€™ Development and Stress Response. <i>Plants</i> , 2022, 11, 1033.	1.6	7
2	Recent Insights into Anthocyanin Pigmentation, Synthesis, Trafficking, and Regulatory Mechanisms in Rice (<i>Oryza sativa</i> L.) Caryopsis. <i>Biomolecules</i> , 2021, 11, 394.	1.8	42
3	CRISPR/Cas9 Guided Mutagenesis of Grain Size 3 Confers Increased Rice (<i>Oryza sativa</i> L.) Grain Length by Regulating Cysteine Proteinase Inhibitor and Ubiquitin-Related Proteins. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3225.	1.8	19
4	Computational and Transcriptomic Analysis Unraveled OsMATE34 as a Putative Anthocyanin Transporter in Black Rice (<i>Oryza sativa</i> L.) Caryopsis. <i>Genes</i> , 2021, 12, 583.	1.0	16
5	Evaluation of Guangxi common wild rice for resistance to brown planthopper using a new stem evaluation method. <i>Crop Science</i> , 2021, 61, 2579-2592.	0.8	1
6	Programmed Editing of Rice (<i>Oryza sativa</i> L.) OsSPL16 Gene Using CRISPR/Cas9 Improves Grain Yield by Modulating the Expression of Pyruvate Enzymes and Cell Cycle Proteins. <i>International Journal of Molecular Sciences</i> , 2021, 22, 249.	1.8	46
7	Precise Editing of the OsPYL9 Gene by RNA-Guided Cas9 Nuclease Confers Enhanced Drought Tolerance and Grain Yield in Rice (<i>Oryza sativa</i> L.) by Regulating Circadian Rhythm and Abiotic Stress Responsive Proteins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7854.	1.8	66
8	Development of Chromosome Segment Substitution Lines (CSSLs) Derived from Guangxi Wild Rice (<i>Oryza rufipogon</i> Griff.) under Rice (<i>Oryza sativa</i> L.) Background and the Identification of QTLs for Plant Architecture, Agronomic Traits and Cold Tolerance. <i>Genes</i> , 2020, 11, 980.	1.0	20
9	CRISPR/Cas9 Directed Mutagenesis of OsGA20ox2 in High Yielding Basmati Rice (<i>Oryza sativa</i> L.) Line and Comparative Proteome Profiling of Unveiled Changes Triggered by Mutations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6170.	1.8	13
10	Generation of High Yielding and Fragrant Rice (<i>Oryza sativa</i> L.) Lines by CRISPR/Cas9 Targeted Mutagenesis of Three Homoeologs of Cytochrome P450 Gene Family and OsBADH2 and Transcriptome and Proteome Profiling of Revealed Changes Triggered by Mutations. <i>Plants</i> , 2020, 9, 788.	1.6	57
11	Knockout of Pi21 by CRISPR/Cas9 and iTRAQ-Based Proteomic Analysis of Mutants Revealed New Insights into <i>M. oryzae</i> Resistance in Elite Rice Line. <i>Genes</i> , 2020, 11, 735.	1.0	36
12	Generation of semi-dwarf rice (<i>Oryza sativa</i> L.) lines by CRISPR/Cas9-directed mutagenesis of OsGA20ox2 and proteomic analysis of unveiled changes caused by mutations. <i>3 Biotech</i> , 2019, 9, 387.	1.1	30
13	Knockout of OsPRP1, a gene encoding proline-rich protein, confers enhanced cold sensitivity in rice (<i>Oryza sativa</i> L.) at the seedling stage. <i>3 Biotech</i> , 2019, 9, 254.	1.1	58
14	CRISPR/Cas9-Induced Mutagenesis of Semi-Rolled Leaf1,2 Confers Curled Leaf Phenotype and Drought Tolerance by Influencing Protein Expression Patterns and ROS Scavenging in Rice (<i>Oryza sativa</i> L.). <i>Agronomy</i> , 2019, 9, 728.	1.3	96
15	Development of High Yielding Glutinous Cytoplasmic Male Sterile Rice (<i>Oryza sativa</i> L.) Lines through CRISPR/Cas9 Based Mutagenesis of Wx and TGW6 and Proteomic Analysis of Anther. <i>Agronomy</i> , 2018, 8, 290.	1.3	24