

Richard B Mcqualter

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

359
citations

759233

12
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

441
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial evaluation of sugarcane as a production platform for p-hydroxybenzoic acid. <i>Plant Biotechnology Journal</i> , 2004, 3, 29-41.	8.3	84
2	Enhanced polyhydroxybutyrate production in transgenic sugarcane. <i>Plant Biotechnology Journal</i> , 2012, 10, 569-578.	8.3	46
3	Production and evaluation of transgenic sugarcane containing a Fiji disease virus (FDV) genome segment S9-derived synthetic resistance gene. <i>Australian Journal of Agricultural Research</i> , 2004, 55, 139.	1.5	32
4	Metabolic Reconstruction of <i>Setaria italica</i> : A Systems Biology Approach for Integrating Tissue-Specific Omics and Pathway Analysis of Bioenergy Grasses. <i>Frontiers in Plant Science</i> , 2016, 7, 1138.	3.6	24
5	The use of an acetoacetyl-CoA synthase in place of a β -ketothiolase enhances poly- β -hydroxybutyrate production in sugarcane mesophyll cells. <i>Plant Biotechnology Journal</i> , 2015, 13, 700-707.	8.3	21
6	Synthesis of magnetic hollow periodic mesoporous organosilica with enhanced cellulose tissue penetration behaviour. <i>Journal of Materials Chemistry</i> , 2011, 21, 7565.	6.7	18
7	Factors affecting polyhydroxybutyrate accumulation in mesophyll cells of sugarcane and switchgrass. <i>BMC Biotechnology</i> , 2014, 14, 83.	3.3	18
8	Chemical inhibition of acetyl coenzyme A carboxylase as a strategy to increase polyhydroxybutyrate yields in transgenic sugarcane. <i>Plant Biotechnology Journal</i> , 2013, 11, 1146-1151.	8.3	17
9	Systems biology and metabolic modelling unveils limitations to polyhydroxybutyrate accumulation in sugarcane leaves; lessons for C ₄ engineering. <i>Plant Biotechnology Journal</i> , 2016, 14, 567-580.	8.3	17
10	Molecular analysis of Fiji disease virus genome segments 5, 6, 8 and 10. <i>Archives of Virology</i> , 2004, 149, 713-721.	2.1	16
11	Molecular analysis of Fiji disease Fijivirus genome segments 1 and 3. <i>Virus Genes</i> , 2003, 26, 283-289.	1.6	15
12	Reduced peroxisomal citrate synthase activity increases substrate availability for polyhydroxyalkanoate biosynthesis in plant peroxisomes. <i>Plant Biotechnology Journal</i> , 2014, 12, 1044-1052.	8.3	15
13	Molecular Analysis of Fiji Disease Virus Segments 2, 4 and 7 Completes the Genome Sequence. <i>Virus Genes</i> , 2006, 32, 43-47.	1.6	10
14	Localization of polyhydroxybutyrate in sugarcane using Fourier-transform infrared microspectroscopy and multivariate imaging. <i>Biotechnology for Biofuels</i> , 2015, 8, 98.	6.2	10