

Bertrand C Y Collard

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

3,470
citations

471509

17
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

4210
citing authors

#	ARTICLE	IF	CITATIONS
1	Marker-assisted selection: an approach for precision plant breeding in the twenty-first century. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 557-572.	4.0	1,568
2	Start Codon Targeted (SCoT) Polymorphism: A Simple, Novel DNA Marker Technique for Generating Gene-Targeted Markers in Plants. <i>Plant Molecular Biology Reporter</i> , 2009, 27, 86-93.	1.8	537
3	Genomic Selection and Association Mapping in Rice (<i>Oryza sativa</i>): Effect of Trait Genetic Architecture, Training Population Composition, Marker Number and Statistical Model on Accuracy of Rice Genomic Selection in Elite, Tropical Rice Breeding Lines. <i>PLoS Genetics</i> , 2015, 11, e1004982.	3.5	425
4	Genome-Wide Association Mapping for Yield and Other Agronomic Traits in an Elite Breeding Population of Tropical Rice (<i>Oryza sativa</i>). <i>PLoS ONE</i> , 2015, 10, e0119873.	2.5	157
5	Review: Improving global food security through accelerated plant breeding. <i>Plant Science</i> , 2019, 287, 110207.	3.6	141
6	Revisiting rice breeding methods – evaluating the use of rapid generation advance (RGA) for routine rice breeding. <i>Plant Production Science</i> , 2017, 20, 337-352.	2.0	98
7	Improving yield potential of tropical rice: Achieved levels and perspectives through improved ideotypes. <i>Field Crops Research</i> , 2015, 182, 43-59.	5.1	66
8	Accelerating the development of new submergence tolerant rice varieties: the case of Ciherang-Sub1 and PSB Rc18-Sub1. <i>Euphytica</i> , 2015, 202, 259-268.	1.2	66
9	Physiological analyses of traits associated with tolerance of long-term partial submergence in rice. <i>AoB PLANTS</i> , 2014, 6, plu058-plu058.	2.3	59
10	Identification of QTLs for yield and agronomic traits in rice under stagnant flooding conditions. <i>Rice</i> , 2017, 10, 15.	4.0	46
11	Association mapping in rice: basic concepts and perspectives for molecular breeding. <i>Plant Production Science</i> , 2018, 21, 159-176.	2.0	28
12	Increasing flooding tolerance in rice: combining tolerance of submergence and of stagnant flooding. <i>Annals of Botany</i> , 2019, 124, 1199-1209.	2.9	26
13	Development of early maturing submergence-tolerant rice varieties for Bangladesh. <i>Field Crops Research</i> , 2016, 190, 44-53.	5.1	24
14	Evaluation of SSR and SNP Markers for Molecular Breeding in Rice. <i>Plant Breeding and Biotechnology</i> , 2015, 3, 139-152.	0.9	24
15	Mapping QTLs for submergence tolerance in rice using a population fixed for SUB1A tolerant allele. <i>Molecular Breeding</i> , 2017, 37, 1.	2.1	19
16	Comparison of phenotypic versus marker-assisted background selection for the <i>SUB1</i> QTL during backcrossing in rice. <i>Breeding Science</i> , 2012, 62, 216-222.	1.9	17
17	How accurate are the marker orders in crop linkage maps generated from large marker datasets?. <i>Crop and Pasture Science</i> , 2009, 60, 362.	1.5	16
18	Allelic diversity of newly characterized submergence-tolerant rice (<i>Oryza sativa</i> L.) germplasm from Bangladesh. <i>Genetic Resources and Crop Evolution</i> , 2016, 63, 859-867.	1.6	13

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19	Physiological and morphological characterization of a high-yielding rice introgression line, YTH183, with genetic background of Indica Group cultivar, IR 64. <i>Field Crops Research</i> , 2017, 213, 89-99.	5.1	13
20	Global survey of rice breeders to investigate characteristics and willingness to adopt alternative breeding methods. <i>Agriculture and Food Security</i> , 2018, 7, 40.	4.2	12
21	Use of NDVI for indirect selection of high yield in tropical rice breeding. <i>Euphytica</i> , 2020, 216, 1.	1.2	9
22	Identification and characterization of high-yielding, short-duration rice genotypes for tropical Asia. <i>Crop Science</i> , 2020, 60, 2241-2250.	1.8	7
23	Genetic Analysis and QTL Mapping for Agronomic and Yield-Related Traits in Ciherang-Sub1 Rice Backcross Populations. <i>Plant Breeding and Biotechnology</i> , 2018, 6, 177-192.	0.9	6
24	Global survey data on rice breeders' characteristics and willingness to adopt alternative breeding methods. <i>Data in Brief</i> , 2019, 23, 103782.	1.0	4