Vito M Butardo Jr

List of Publications by Citations

26 papers	906 citations	15 h-index	27 g-index
27 ext. papers	1,129 ext. citations	5.8 avg, IF	4.23 L-index

#	Paper	IF	Citations
26	Impact of down-regulation of starch branching enzyme IIb in rice by artificial microRNA- and hairpin RNA-mediated RNA silencing. *Journal of Experimental Botany*, **2011**, 62, 4927-41	7	164
25	Designing climate-resilient rice with ideal grain quality suited for high-temperature stress. *Journal of Experimental Botany*, **2015**, 66, 1737-48	7	110
24	Is there a second fragrance gene in rice?. *Plant Biotechnology Journal*, **2008**, 6, 416-23	11.6	85
23	Rice starch granule amylolysis--differentiating effects of particle size, morphology, thermal properties and crystalline polymorph. *Carbohydrate Polymers*, **2015**, 115, 305-16	10.3	76
22	Intrinsic and extrinsic factors affecting rice starch digestibility. *Trends in Food Science and Technology*, **2019**, 88, 10-22	15.3	58
21	Systems Genetics Identifies a Novel Regulatory Domain of Amylose Synthesis. *Plant Physiology*, **2017**, 173, 887-906	6.6	49
20	Environmental factors that affect the ability of amylose to contribute to retrogradation in gels made from rice flour. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 5182-90	5.7	39
19	Investigating glycemic potential of rice by unraveling compositional variations in mature grain and starch mobilization patterns during seed germination. *Scientific Reports*, **2017**, 7, 5854	4.9	38
18	Biomolecular analyses of starch and starch granule proteins in the high-amylose rice mutant Goami 2. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 11576-85	5.7	38
17	Tailoring Grain Storage Reserves for a Healthier Rice Diet and its Comparative Status with Other Cereals. *International Review of Cell and Molecular Biology*, **2016**, 323, 31-70	6	37
16	The different effects of starch synthase IIa mutations or variation on endosperm amylose content of barley, wheat and rice are determined by the distribution of starch synthase I and starch branching enzyme IIb between the starch granule and amyloplast stroma. *Theoretical and Applied Genetics*, **2015**, 128, 1407-19	6	33
15	Production of high oleic rice grains by suppressing the expression of the OsFAD2-1 gene. *Functional Plant Biology*, **2013**, 40, 996-1004	2.7	33
14	Integrating a genome-wide association study with a large-scale transcriptome analysis to predict genetic regions influencing the glycaemic index and texture in rice. *Plant Biotechnology Journal*, **2019**, 17, 1261-1275	11.6	28
13	Balancing the double-edged sword effect of increased resistant starch content and its impact on rice texture: its genetics and molecular physiological mechanisms. *Plant Biotechnology Journal*, **2020**, 18, 1763-1777	11.6	20
12	Improving Rice Grain Quality: State-of-the-Art and Future Prospects. *Methods in Molecular Biology*, **2019**, 1892, 19-55	1.4	20
11	Long glucan chains reduce in vitro starch digestibility of freshly cooked and retrograded milled rice. *Journal of Cereal Science*, **2019**, 86, 108-116	3.8	15
10	Dissecting the genome-wide genetic variants of milling and appearance quality traits in rice. *Journal of Experimental Botany*, **2019**, 70, 5115-5130	7	12

List of Publications

9	Influence of in situ progressive N-terminal is still controversial truncation of glycogen branching enzyme in Escherichia coli DH5□on glycogen structure, accumulation, and bacterial viability. *BMC Microbiology*, **2015**, 15, 96	4.5	11
8	Harnessing particle disintegration of cooked rice grains for predicting glycaemic index. *Carbohydrate Polymers*, **2020**, 248, 116789	10.3	9
7	A High-Throughput In Vitro Assay for Screening Rice Starch Digestibility. *Foods*, **2019**, 8,	4.9	8
6	Improving Head Rice Yield and Milling Quality: State-of-the-Art and Future Prospects. *Methods in Molecular Biology*, **2019**, 1892, 1-18	1.4	8
5	Functional Genomic Validation of the Roles of in Rice Endosperm. *Frontiers in Genetics*, **2020**, 11, 289	4.5	6
4	Paralytic shellfish toxin concentration and cell density changes in Pyrodinium bahamense -Noctiluca scintillans feeding experiments. *Toxicon*, **2010**, 55, 1017-23	2.8	4
3	Quantifying Grain Digestibility of Starch Fractions in Milled Rice. *Methods in Molecular Biology*, **2019** , 1892, 241-252	1.4	2
2	Analysis of Developing Rice Grain Transcriptome Using the Agilent Microarray Platform. *Methods in Molecular Biology*, **2019**, 1892, 277-300	1.4	2
1	The impact of the indica rice SSIIa allele on the apparent high amylose starch from rice grain with downregulated japonica SBEIIb. *Theoretical and Applied Genetics*, **2020**, 133, 2961-2974	6	1