Xiaojun Gao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7443298/publications.pdf

Version: 2024-02-01

12	212	1040056 9	1199594 12
papers	citations	h-index	g-index

12	12	12	52
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determination of hardness for maize kernels based on hyperspectral imaging. Food Chemistry, 2022, 366, 130559.	8.2	35
2	Improving particle dispersion characteristics with a novel cleaning screen: parameter design and numerical simulation. Powder Technology, 2022, 397, 116987.	4.2	12
3	Effect of moisture, protein, starch, soluble sugar contents and microstructure on mechanical properties of maize kernels. Food Chemistry, 2022, 379, 132147.	8.2	16
4	Application of a staggered symmetrical spiral groove wheel on a quantitative feeding device and investigation of particle motion characteristics based on DEM. Powder Technology, 2022, 407, 117650.	4.2	12
5	Feature selection, artificial neural network prediction and experimental testing for predicting breakage rate of maize kernels based on mechanical properties. Journal of Food Process Engineering, 2021, 44, e13621.	2.9	7
6	HANDY: a device for assessing resistance to mechanical crushing of maize kernel. Plant Methods, 2021, 17, 44.	4.3	6
7	DEM study of particle motion in novel high-speed seed metering device. Advanced Powder Technology, 2021, 32, 1438-1449.	4.1	35
8	Effects of different moisture content and varieties on physicoâ€“mechanical properties of maize kernel and pedicel. Journal of Food Process Engineering, 2021, 44, e13778.	2.9	8
9	Effects of shape feature on compression characteristics and crack rules of maize kernel. Journal of Food Processing and Preservation, 2020, 44, e14307.	2.0	15
10	Numerical simulation of particle motion characteristics in quantitative seed feeding system. Powder Technology, 2020, 367, 643-658.	4.2	37
11	MLR and experimental testing for characterization and classification of damage resistance of maize hybrids based on mechanical properties. Journal of Food Process Engineering, 2019, 42, e13262.	2.9	16
12	Damage resistance and compressive properties of bulk maize kernels at varying pressing factors: Experiments and modeling. Journal of Food Process Engineering, 2019, 42, e13267.	2.9	13