

Xiaojun Gao

List of Publications by Year in descending order

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papers

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12
docs citations

12
times ranked

52
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of particle motion characteristics in quantitative seed feeding system. Powder Technology, 2020, 367, 643-658.	4.2	37
2	DEM study of particle motion in novel high-speed seed metering device. Advanced Powder Technology, 2021, 32, 1438-1449.	4.1	35
3	Determination of hardness for maize kernels based on hyperspectral imaging. Food Chemistry, 2022, 366, 130559.	8.2	35
4	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
5	Effect of moisture, protein, starch, soluble sugar contents and microstructure on mechanical properties of maize kernels. Food Chemistry, 2022, 379, 132147.	8.2	16
6	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
7	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
8	Improving particle dispersion characteristics with a novel cleaning screen: parameter design and numerical simulation. Powder Technology, 2022, 397, 116987.	4.2	12
9	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
10	Effects of different moisture content and varieties on physico-mechanical properties of maize kernel and pedicel. Journal of Food Process Engineering, 2021, 44, e13778.	2.9	8
11	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
12	HANDY: a device for assessing resistance to mechanical crushing of maize kernel. Plant Methods, 2021, 17, 44.	4.3	6