

Pavel Somavat

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

267
citations

1040056

9
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	Wet milling characteristics of corn mutants using modified processes and improving starch yields from high amylose corn. <i>Food and Bioproducts Processing</i> , 2021, 126, 104-112.	3.6	12
2	Polyphenol-Rich Purple Corn Pericarp Extract Adversely Impacts Herbivore Growth and Development. <i>Insects</i> , 2020, 11, 98.	2.2	27
3	Cascading effects of polyphenol-rich purple corn pericarp extract on pupal, adult, and offspring of tobacco hornworm (<i>Manduca sexta</i> L.). <i>Communicative and Integrative Biology</i> , 2020, 13, 43-53.	1.4	12
4	Effect of sulfur dioxide and lactic acid in steeping water on the extraction of anthocyanins and bioactives from purple corn pericarp. <i>Cereal Chemistry</i> , 2019, 96, 575-589.	2.2	12
5	Activating Effects of Phenolics from Apache Red <i>Zea mays</i> L. on Free Fatty Acid Receptor 1 and Glucokinase Evaluated with a Dual Culture System with Epithelial, Pancreatic, and Liver Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9148-9159.	5.2	12
6	Techno-economic feasibility analysis of blue and purple corn processing for anthocyanin extraction and ethanol production using modified dry grind process. <i>Industrial Crops and Products</i> , 2018, 115, 78-87.	5.2	49
7	A comparative study of anthocyanin distribution in purple and blue corn coproducts from three conventional fractionation processes. <i>Food Chemistry</i> , 2017, 231, 332-339.	8.2	56
8	Chemical characterization of proanthocyanidins in purple, blue, and red maize coproducts from different milling processes and their anti-inflammatory properties. <i>Industrial Crops and Products</i> , 2017, 109, 464-475.	5.2	31
9	A new lab scale corn dry milling protocol generating commercial sized flaking grits for quick estimation of coproduct yield and composition. <i>Industrial Crops and Products</i> , 2017, 109, 92-100.	5.2	12
10	Coproduct yield comparisons of purple, blue and yellow dent corn for various milling processes. <i>Industrial Crops and Products</i> , 2016, 87, 266-272.	5.2	44