

# Paul R Armstrong

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4316589/publications.pdf>

Version: 2024-02-01

13  
papers

321  
citations

1163117

8  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Throughput Near-Infrared Reflectance Spectroscopy for Predicting Quantitative and Qualitative Composition Phenotypes of Individual Maize Kernels. <i>Cereal Chemistry</i> , 2009, 86, 556-564.	2.2	78
2	Single-Kernel Iomic Profiles Are Highly Heritable Indicators of Genetic and Environmental Influences on Elemental Accumulation in Maize Grain ( <i>Zea mays</i> ). <i>PLoS ONE</i> , 2014, 9, e87628.	2.5	64
3	Prediction of maize seed attributes using a rapid single kernel near infrared instrument. <i>Journal of Cereal Science</i> , 2009, 50, 381-387.	3.7	54
4	Analysis of Maize ( <i>Zea mays</i> ) Kernel Density and Volume Using Microcomputed Tomography and Single-Kernel Near-Infrared Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 10872-10880.	5.2	38
5	Enhanced Single Seed Trait Predictions in Soybean ( <i>Glycine max</i> ) and Robust Calibration Model Transfer with Near-Infrared Reflectance Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1079-1086.	5.2	23
6	Protein, weight, and oil prediction by single-seed near-infrared spectroscopy for selection of seed quality and yield traits in pea ( <i>Pisum sativum</i> ). <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 3488-3497.	3.5	19
7	Quantification of betaglucans, lipid and protein contents in whole oat groats ( <i>Avena sativa</i> L.) using near infrared reflectance spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2017, 25, 172-179.	1.5	12
8	Development and Evaluation of a Near-Infrared Instrument for Single-Seed Compositional Measurement of Wheat Kernels. <i>Cereal Chemistry</i> , 2014, 91, 23-28.	2.2	11
9	Detection of chalk in single kernels of long-grain milled rice using imaging and visible/near-infrared instruments. <i>Cereal Chemistry</i> , 2019, 96, 1103-1111.	2.2	10
10	Classification approaches for sorting maize ( <i>Zea mays</i> subsp. <i>mays</i> ) haploids using single-kernel near-infrared spectroscopy. <i>Plant Breeding</i> , 2020, 139, 1103-1112.	1.9	4
11	Detecting and Segregating Black Tip-Damaged Wheat Kernels Using Visible and Near-Infrared Spectroscopy. <i>Cereal Chemistry</i> , 2015, 92, 358-363.	2.2	3
12	Predicting single kernel and bulk milled rice alkali spreading value and gelatinization temperature class using NIR spectroscopy. <i>Cereal Chemistry</i> , 2022, 99, 1234-1245.	2.2	3
13	Discriminating Oat and Groat Kernels from Other Grains Using Near-Infrared Spectroscopy. <i>Cereal Chemistry</i> , 2017, 94, 458-463.	2.2	2