

Mariusz Szymanek

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Molecular Organization of Dipalmitoylphosphatidylcholine Bilayers Containing Bioactive Compounds 4-(5-Heptyl-1,3,4-thiadiazol-2-yl) Benzene-1,3-diol and 4-(5-Methyl-1,3,4-thiadiazol-2-yl) Benzene-1,3-diols. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12047-12063.	2.6	32
2	Estimation of moisture ratio for apple drying by convective and microwave methods using artificial neural network modeling. <i>Scientific Reports</i> , 2021, 11, 9155.	3.3	30
3	Analysis of bone osteometry, mineralization, mechanical and histomorphometrical properties of tibiotarsus in broiler chickens demonstrates a influence of dietary chickpea seeds (<i>Cicer arietinum</i> L.) inclusion as a primary protein source. <i>PLoS ONE</i> , 2018, 13, e0208921.	2.5	27
4	Kernel Carbohydrates Concentration in Sugary-1, Sugary Enhanced and Shrunk Sweet Corn Kernels. <i>Agriculture and Agricultural Science Procedia</i> , 2015, 7, 260-264.	0.6	22
5	Feasibility of Using VIS/NIR Spectroscopy and Multivariate Analysis for Pesticide Residue Detection in Tomatoes. <i>Processes</i> , 2021, 9, 196.	2.8	22
6	Evaluation of Different Models for Non-Destructive Detection of Tomato Pesticide Residues Based on Near-Infrared Spectroscopy. <i>Sensors</i> , 2021, 21, 3032.	3.8	21
7	Exergy and Energy Analyses of Microwave Dryer for Cantaloupe Slice and Prediction of Thermodynamic Parameters Using ANN and ANFIS Algorithms. <i>Energies</i> , 2021, 14, 4838.	3.1	16
8	A Comprehensive CFD Assessment of Wheat Flow in Wheat Conveying Cyclone Validation and Performance Analysis by Experimental Data. <i>Processes</i> , 2022, 10, 1.	2.8	14
9	Application of Artificial Neural Networks, Support Vector, Adaptive Neuro-Fuzzy Inference Systems for the Moisture Ratio of Parboiled Hulls. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1771.	2.5	13
10	Impact of Pre-Sowing Red Light Treatment of Sweet Corn Seeds on the Quality and Quantity of Yield. <i>Agriculture (Switzerland)</i> , 2020, 10, 165.	3.1	12
11	Comprehensive Assessment from Optimum Biodiesel Yield to Combustion Characteristics of Light Duty Diesel Engine Fueled with Palm Kernel Oil Biodiesel and Fuel Additives. <i>Materials</i> , 2021, 14, 4274.	2.9	12
12	Effects of Blanching on Some Physical Properties and Processing Recovery of Sweet Corn Cobs. <i>Food and Bioprocess Technology</i> , 2011, 4, 1164-1171.	4.7	10
13	The Influence of Red Light (RL) and Effective Microorganism (EM) Application on Soil Properties, Yield, and Quality in Wheat Cultivation. <i>Agronomy</i> , 2020, 10, 1201.	3.0	10
14	Absorbed power distribution in the whole-body system of a tractor operator. <i>Annals of Agricultural and Environmental Medicine</i> , 2016, 23, 373-376.	1.0	6
15	Experimental and numerical analysis of thermodynamic performance of microwave dryer of onion. <i>Journal of Food Process Engineering</i> , 0, , .	2.9	6
16	Formation Mechanism of Logistics Cluster in Belarus. <i>Agriculture and Agricultural Science Procedia</i> , 2015, 7, 12-20.	0.6	5
17	Influence of Blanching Time on Moisture, Sugars, Protein, and Processing Recovery of Sweet Corn Kernels. <i>Processes</i> , 2020, 8, 340.	2.8	5
18	Influence of Silver Nanoparticles, Laser Light and Electromagnetic Stimulation of Seeds on Germination Rate and Photosynthetic Parameters in Pumpkin (<i>Cucurbita pepo</i> L.) Leaves. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2780.	2.5	4

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19	Modal analysis and acoustic noise characterization of a grain crusher. <i>Annals of Agricultural and Environmental Medicine</i> , 2018, 25, 433-436.	1.0	3
20	Comparison of Optimized and Conventional Models of Passive Solar Greenhouseâ€”Case Study: The Indoor Air Temperature, Irradiation, and Energy Demand. <i>Energies</i> , 2021, 14, 5369.	3.1	3
21	Inner Properties Estimation of Gala Apple Using Spectral Data and Two Statistical and Artificial Intelligence Based Methods. <i>Foods</i> , 2021, 10, 2967.	4.3	3
22	Forecasting of Power Output of a PVPS Based on Meteorological Data Using RNN Approaches. <i>Sustainability</i> , 2022, 14, 3104.	3.2	3
23	Evaluation of Centrifugal Force, Erosion, Strain Rate, and Wall Shear in a Stairmand Cyclone. <i>Processes</i> , 2022, 10, 994.	2.8	3
24	STUDIES ON SHELLING OF FROZEN SWEET CORN. <i>Journal of Food Process Engineering</i> , 2011, 34, 716-727.	2.9	2
25	Improvement of the photosynthetic activity of Moldavian dragonhead (<i>Dracocephalum moldavica</i> L.) through foliar application of a nitrophenolateâ€”based biostimulant. <i>BIO Web of Conferences</i> , 2018, 10, 01009.	0.2	2
26	Development of a machine vision system for the determination of some of the physical properties of very irregular small biomaterials. <i>International Agrophysics</i> , 2022, 1, 27-35.	1.7	2
27	Development and Laboratory Evaluation of an Online Controlling Algorithm for Precision Tillage. <i>Sensors</i> , 2021, 21, 5603.	3.8	1
28	Assessment of the Pine Forests Condition Using Forest Factors, Physiological Characteristics and Remote Detection Data. <i>Agricultural Engineering</i> , 2021, 25, 29-49.	0.8	1
29	Physical properties of kaolin clay-containing pectin gels WÅaÅciwoÅci fizyczne Åeli pektynowych zawierajÅcych glinkÅ kaolinowÅ. <i>Przemysl Chemiczny</i> , 2017, 1, 176-180.	0.0	1
30	Prediction of Almond Nut Yield and Its Greenhouse Gases Emission Using Different Methodologies. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2036.	2.5	1
31	Aging of biodegradable thermoplastic starch film under UV-irradiation Starzenie biodegradowalnej folii ze skrobi termoplastycznej pod wpÅywem promieniowania UV. <i>Przemysl Chemiczny</i> , 2017, 1, 193-195.	0.0	0
32	Assessment of the Balance of Greenhouse Gases in the Production of Renewable Biomass From Short-Cycle Energy Plantations of Willow. , 2017, , .		0
33	Analiza efektywnoÅci procesÅw logistycznych naturalnego 2-fenylometanolu. <i>Przemysl Chemiczny</i> , 2018, 1, 66-70.	0.0	0
34	On Changes in Concept and General Composition of Agricultural Tractors. <i>Agricultural Engineering</i> , 2019, 23, 69-84.	0.8	0
35	Parameters of the Planting Machine for Sugar Beet Sets. <i>Agricultural Engineering</i> , 2019, 23, 61-67.	0.8	0
36	Impact of Selected Mechanical Properties of Sweetcorn Seed on the Level of Cutting it Off from the Cob Stem. <i>Agricultural Engineering</i> , 2019, 23, 77-85.	0.8	0