

Mariusz Szymanek

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Application of Artificial Neural Networks, Support Vector, Adaptive Neuro-Fuzzy Inference Systems for the Moisture Ratio of Parboiled Hulls. Applied Sciences (Switzerland), 2022, 12, 1771.	2.5	13
2	Prediction of Almond Nut Yield and Its Greenhouse Gases Emission Using Different Methodologies. Applied Sciences (Switzerland), 2022, 12, 2036.	2.5	1
3	Development of a machine vision system for the determination of some of the physical properties of very irregular small biomaterials. International Agrophysics, 2022, 1, 27-35.	1.7	2
4	Forecasting of Power Output of a PVPS Based on Meteorological Data Using RNN Approaches. Sustainability, 2022, 14, 3104.	3.2	3
5	A Comprehensive CFD Assessment of Wheat Flow in Wheat Conveying Cyclone Validation and Performance Analysis by Experimental Data. Processes, 2022, 10, 1.	2.8	14
6	Evaluation of Centrifugal Force, Erosion, Strain Rate, and Wall Shear in a Stairmand Cyclone. Processes, 2022, 10, 994.	2.8	3
7	Feasibility of Using VIS/NIR Spectroscopy and Multivariate Analysis for Pesticide Residue Detection in Tomatoes. Processes, 2021, 9, 196.	2.8	22
8	Influence of Silver Nanoparticles, Laser Light and Electromagnetic Stimulation of Seeds on Germination Rate and Photosynthetic Parameters in Pumpkin (Cucurbita pepo L.) Leaves. Applied Sciences (Switzerland), 2021, 11, 2780.	2.5	4
9	Evaluation of Different Models for Non-Destructive Detection of Tomato Pesticide Residues Based on Near-Infrared Spectroscopy. Sensors, 2021, 21, 3032.	3.8	21
10	Estimation of moisture ratio for apple drying by convective and microwave methods using artificial neural network modeling. Scientific Reports, 2021, 11, 9155.	3.3	30
11	Comprehensive Assessment from Optimum Biodiesel Yield to Combustion Characteristics of Light Duty Diesel Engine Fueled with Palm Kernel Oil Biodiesel and Fuel Additives. Materials, 2021, 14, 4274.	2.9	12
12	Comparison of Optimized and Conventional Models of Passive Solar Greenhouseâ€™ Case Study: The Indoor Air Temperature, Irradiation, and Energy Demand. Energies, 2021, 14, 5369.	3.1	3
13	Development and Laboratory Evaluation of an Online Controlling Algorithm for Precision Tillage. Sensors, 2021, 21, 5603.	3.8	1
14	Exergy and Energy Analyses of Microwave Dryer for Cantaloupe Slice and Prediction of Thermodynamic Parameters Using ANN and ANFIS Algorithms. Energies, 2021, 14, 4838.	3.1	16
15	Assessment of the Pine Forests Condition Using Forest Factors, Physiological Characteristics and Remote Detection Data. Agricultural Engineering, 2021, 25, 29-49.	0.8	1
16	Inner Properties Estimation of Gala Apple Using Spectral Data and Two Statistical and Artificial Intelligence Based Methods. Foods, 2021, 10, 2967.	4.3	3
17	The Influence of Red Light (RL) and Effective Microorganism (EM) Application on Soil Properties, Yield, and Quality in Wheat Cultivation. Agronomy, 2020, 10, 1201.	3.0	10
18	Impact of Pre-Sowing Red Light Treatment of Sweet Corn Seeds on the Quality and Quantity of Yield. Agriculture (Switzerland), 2020, 10, 165.	3.1	12

#	ARTICLE	IF	CITATIONS
19	Influence of Blanching Time on Moisture, Sugars, Protein, and Processing Recovery of Sweet Corn Kernels. <i>Processes</i> , 2020, 8, 340.	2.8	5
20	On Changes in Concept and General Composition of Agricultural Tractors. <i>Agricultural Engineering</i> , 2019, 23, 69-84.	0.8	0
21	Parameters of the Planting Machine for Sugar Beet Sets. <i>Agricultural Engineering</i> , 2019, 23, 61-67.	0.8	0
22	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
23	Improvement of the photosynthetic activity of Moldavian dragonhead (<i>Dracocephalum moldavica</i> L.) through foliar application of a nitrophenolate-based biostimulant. <i>BIO Web of Conferences</i> , 2018, 10, 01009.	0.2	2
24	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
25	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
26	Analiza efektywnoÅci procesÅw logistycznych naturalnego 2-fenyløetanolu. <i>Przemysl Chemiczny</i> , 2018, 1, 66-70.	0.0	0
27	Physical properties of kaolin clay-containing pectin gels WÅ,aÅciwoÅci fizyczne Å¼eli pektynowych zawierajÅ...cych glinÅ™ kaolinowÅ... <i>Przemysl Chemiczny</i> , 2017, 1, 176-180.	0.0	1
28	Aging of biodegradable thermoplastic starch film under UV-irradiation Starzenie biodegradowalnej folii ze skrobi termoplastycznej pod wpÅywem promieniowania UV. <i>Przemysl Chemiczny</i> , 2017, 1, 193-195.	0.0	0
29	Assessment of the Balance of Greenhouse Gases in the Production of Renewable Biomass From Short-Cycle Energy Plantations of Willow. , 2017, , .		0
30	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
31	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
32	Kernel Carbohydrates Concentration in Sugary-1, Sugary Enhanced and Shrunken Sweet Corn Kernels. <i>Agriculture and Agricultural Science Procedia</i> , 2015, 7, 260-264.	0.6	22
33	Formation Mechanism of Logistics Cluster in Belarus. <i>Agriculture and Agricultural Science Procedia</i> , 2015, 7, 12-20.	0.6	5
34	STUDIES ON SHELLING OF FROZEN SWEET CORN. <i>Journal of Food Process Engineering</i> , 2011, 34, 716-727.	2.9	2
35	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
36	Experimental and numerical analysis of thermodynamic performance of microwave dryer of onion. <i>Journal of Food Process Engineering</i> , 0, , .	2.9	6