Gniewko NiedbaÅ,a

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Wind Tunnel Experiments on an Aircraft Model Fabricated Using a 3D Printing Technique. Journal of Manufacturing and Materials Processing, 2022, 6, 12. | 2.2 | 7 |
| 2 | A Framework for Financing Post-Registration Variety Testing System: A Case Study from Poland. Agronomy, 2022, 12, 325. | 3.0 | 3 |
| 3 | Modelling of Mechanical Properties of Fresh and Stored Fruit of Large Cranberry Using Multiple Linear Regression and Machine Learning. Agriculture (Switzerland), 2022, 12, 200. | 3.1 | 18 |
| 4 | Quantifying Nutrient Content in the Leaves of Cowpea Using Remote Sensing. Applied Sciences (Switzerland), 2022, 12, 458. | 2.5 | 5 |
| 5 | Natural resources commodity prices volatility and economic performance: Evaluating the role of green finance. Resources Policy, 2022, 76, 102557. | 9.6 | 28 |
| 6 | Socio-Economic Factors Influencing Agritourism Farm Stays and Their Safety during the COVID-19 Pandemic: Evidence from Poland. Sustainability, 2022, 14, 3526. | 3.2 | 7 |
| 7 | Interactive Effects of Nitrogen and Potassium Fertilizers on Quantitative-Qualitative Traits and Drought Tolerance Indices of Rainfed Wheat Cultivar. Agronomy, 2022, 12, 30. | 3.0 | 14 |
| 8 | Agronomic Performance of Rainfed Barley Genotypes under Different Tillage Systems in Highland Areas of Dryland Conditions. Agronomy, 2022, 12, 1070. | 3.0 | 10 |
| 9 | Application of Artificial Neural Networks Sensitivity Analysis for the Pre-Identification of Highly Significant Factors Influencing the Yield and Digestibility of Grassland Sward in the Climatic Conditions of Central Poland. Agronomy, 2022, 12, 1133. | 3.0 | 11 |
| 10 | Genetic Characterization and Agronomic Evaluation of Drought Tolerance in Ten Egyptian Wheat (Triticum aestivum L.) Cultivars. Agronomy, 2022, 12, 1217. | 3.0 | 10 |
| 11 | Application of Artificial Neural Network Sensitivity Analysis to Identify Key Determinants of Harvesting Date and Yield of Soybean (Glycine max [L.] Merrill) Cultivar Augusta. Agriculture (Switzerland), 2022, 12, 754. | 3.1 | 10 |
| 12 | Comparative Analysis of Plant Growth-PromotingRhizobacteria (PGPR) and Chemical Fertilizers on Quantitative and Qualitative Characteristics of Rainfed Wheat. Agronomy, 2022, 12, 1524. | 3.0 | 10 |
| 13 | Improving Yield Components and Desirable Eating Quality of Two Wheat Genotypes Using Si and NanoSi Particles under Heat Stress. Plants, 2022, 11, 1819. | 3.5 | 12 |
| 14 | The Application of Multiple Linear Regression and Artificial Neural Network Models for Yield Prediction of Very Early Potato Cultivars before Harvest. Agronomy, 2021, 11, 885. | 3.0 | 59 |
| 15 | Artificial Neural Networks in Agriculture. Agriculture (Switzerland), 2021, 11, 497. | 3.1 | 57 |
| 16 | Stock markets dynamics and environmental pollution: emerging issues and policy options in Asia. Environmental Science and Pollution Research, 2021, 28, 61801-61810. | 5.3 | 4 |
| 17 | Does globalization matter for environmental degradation? Nexus among energy consumption, economic growth, and carbon dioxide emission. Energy Policy, 2021, 153, 112230. | 8.8 | 173 |
| 18 | Selection of Independent Variables for Crop Yield Prediction Using Artificial Neural Network Models with Remote Sensing Data. Land, 2021, 10, 609. | 2.9 | 51 |

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|----|---|-----|-----------|
| 19 | Modeling Agrobacterium-Mediated Gene Transformation of Tobacco (Nicotiana tabacum)—A Model Plant for Gene Transformation Studies. Frontiers in Plant Science, 2021, 12, 695110. | 3.6 | 20 |
| 20 | Dynamic effects of fiscal and monetary policy instruments on environmental pollution in ASEAN. Environmental Science and Pollution Research, 2021, 28, 65116-65126. | 5.3 | 28 |
| 21 | Improved Shelf-Life and Consumer Acceptance of Fresh-Cut and Fried Potato Strips by an Edible Coating of Garden Cress Seed Mucilage. Foods, 2021, 10, 1536. | 4.3 | 24 |
| 22 | A Comprehensive Review about the Molecular Structure of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): Insights into Natural Products against COVID-19. Pharmaceutics, 2021, 13, 1759. | 4.5 | 42 |
| 23 | Seed Priming Boost Adaptation in Pea Plants under Drought Stress. Plants, 2021, 10, 2201. | 3.5 | 25 |
| 24 | Roles of Exogenous α-Lipoic Acid and Cysteine in Mitigation of Drought Stress and Restoration of Grain Quality in Wheat. Plants, 2021, 10, 2318. | 3.5 | 24 |
| 25 | Simplified and Hybrid Remote Sensing-Based Delineation of Management Zones for Nitrogen Variable Rate Application in Wheat. Agriculture (Switzerland), 2021, 11, 1104. | 3.1 | 14 |
| 26 | Mitigation of Drought Damages by Exogenous Chitosan and Yeast Extract with Modulating the Photosynthetic Pigments, Antioxidant Defense System and Improving the Productivity of Garlic Plants. Horticulturae, 2021, 7, 510. | 2.8 | 29 |
| 27 | Modeling the Essential Oil and Trans-Anethole Yield of Fennel (Foeniculum vulgare Mill. var. vulgare) by Application Artificial Neural Network and Multiple Linear Regression Methods. Agriculture (Switzerland), 2021, 11, 1191. | 3.1 | 10 |
| 28 | Degree of Biomass Conversion in the Integrated Production of Bioethanol and Biogas. Energies, 2021, 14, 7763. | 3.1 | 8 |
| 29 | Protective Effect of γ-Aminobutyric Acid Against Chilling Stress During Reproductive Stage in Tomato Plants Through Modulation of Sugar Metabolism, Chloroplast Integrity, and Antioxidative Defense Systems. Frontiers in Plant Science, 2021, 12, 663750. | 3.6 | 16 |
| 30 | Machine Learning for Plant Breeding and Biotechnology. Agriculture (Switzerland), 2020, 10, 436. | 3.1 | 95 |
| 31 | Endophytic Streptomyces laurentii Mediated Green Synthesis of Ag-NPs with Antibacterial and Anticancer Properties for Developing Functional Textile Fabric Properties. Antibiotics, 2020, 9, 641. | 3.7 | 120 |
| 32 | Bee Venom—A Potential Complementary Medicine Candidate for SARS-CoV-2 Infections. Frontiers in Public Health, 2020, 8, 594458. | 2.7 | 36 |
| 33 | Quantification of Chlorophyll and Carotene Pigments Content in Mountain Melick (Melica nutans L.) in Relation to Edaphic Variables. Forests, 2020, 11, 1197. | 2.1 | 23 |
| 34 | Linking of Traditional Food and Tourism. The Best Pork of Wielkopolska—Culinary Tourist Trail: A Case Study. Sustainability, 2020, 12, 5344. | 3.2 | 17 |
| 35 | Bactericidal and In-Vitro Cytotoxic Efficacy of Silver Nanoparticles (Ag-NPs) Fabricated by Endophytic Actinomycetes and Their Use as Coating for the Textile Fabrics. Nanomaterials, 2020, 10, 2082. | 4.1 | 148 |
| 36 | Communities of Fungi in Black Cherry Stumps and Effects of Herbicide. Plants, 2020, 9, 1126. | 3.5 | 7 |

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|----|---|-----|-----------|
| 37 | The Use of Air Induction Nozzles for Application of Fertilizing Preparations Containing Beneficial Microorganisms. Agriculture (Switzerland), 2020, 10, 303. | 3.1 | 4 |
| 38 | Low-Cost Investment with High Quality Performance. Bleaching Earths for Phosphorus Reduction in the Low-Temperature Bleaching Process of Rapeseed Oil. Foods, 2020, 9, 603. | 4.3 | 18 |
| 39 | Application of Artificial Neural Networks to Analyze the Concentration of Ferulic Acid, Deoxynivalenol, and Nivalenol in Winter Wheat Grain. Agriculture (Switzerland), 2020, 10, 127. | 3.1 | 18 |
| 40 | Seeds of n-GM Soybean Varieties Cultivated in Poland and Their Processing Products as High-Protein Feeds in Cattle Nutrition. Agriculture (Switzerland), 2020, 10, 174. | 3.1 | 15 |
| 41 | Neural Modeling of the Distribution of Protein, Water and Gluten in Wheat Grains during Storage. Sustainability, 2020, 12, 5050. | 3.2 | 8 |
| 42 | Energy Efficiency of Comminution and Extrusion of Maize Substrates Subjected to Methane Fermentation. Energies, 2020, 13, 1887. | 3.1 | 17 |
| 43 | The Efficiency of Industrial and Laboratory Anaerobic Digesters of Organic Substrates: The Use of the Biochemical Methane Potential Correction Coefficient. Energies, 2020, 13, 1280. | 3.1 | 22 |
| 44 | Analysis of the Possibilities of Using a Hybrid Heating System in the Process of Anaerobic Biomass Decomposition in Mesophilic Conditions. Springer Proceedings in Energy, 2020, , 3-15. | 0.3 | 0 |
| 45 | Multicriteria Prediction and Simulation of Winter Wheat Yield Using Extended Qualitative and Quantitative Data Based on Artificial Neural Networks. Applied Sciences (Switzerland), 2019, 9, 2773. | 2.5 | 23 |
| 46 | Simple model based on artificial neural network for early prediction and simulation winter rapeseed yield. Journal of Integrative Agriculture, 2019, 18, 54-61. | 3.5 | 45 |
| 47 | Application of Artificial Neural Networks for Multi-Criteria Yield Prediction of Winter Rapeseed. Sustainability, 2019, 11, 533. | 3.2 | 38 |
| 48 | Application of Artificial Neural Networks for Yield Modeling of Winter Rapeseed Based on Combined Quantitative and Qualitative Data. Agronomy, 2019, 9, 781. | 3.0 | 30 |
| 49 | Mitigation of greenhouse gases emissions impact and their influence on terrestrial ecosystem IOP Conference Series: Earth and Environmental Science, 2018, 150, 012011. | 0.3 | 0 |
| 50 | Recovery of phosphorus compounds from thermally-processed wastes. IOP Conference Series: Earth and Environmental Science, 2018, 150, 012010. | 0.3 | 0 |
| 51 | Rapeseed seeds quality classification with usage of VIS-NIR fiber optic probe and artificial neural networks. , 2016, , . | | 11 |
| 52 | IT system for the identification and classification of soil valuation classes. , 2016, , . | | 0 |
| 53 | Image analysis techniques in the study of slug behaviour. , 2016, , . | | 9 |
| 54 | Maturity classification for sewage sludge composted with rapeseed straw using neural image analysis. , 2016, , . | | 6 |

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|----|---|-----|-----------|
| 55 | Software supporting definition and extraction of the quality parameters of potatoes by using image analysis. Proceedings of SPIE, 2016, , . | 0.8 | 21 |
| 56 | Use of computer image analysis methods to evaluate the quality topping sugar beets with using artificial neural networks. , 2016, , . | | 3 |
| 57 | An IT system for the simultaneous management of vector and raster images. Proceedings of SPIE, 2016, , | 0.8 | 3 |
| 58 | Neural modelling as a prediction method of starch content in potatoes for post-registration and specific agricultural experimentation. Nauka Przyroda Technologie, 2015, 9, . | 0.1 | 1 |