Gniewko NiedbaÅ‚a

List of Publications by Year
in descending order

58 papers	1,467 citations	331259 21 h-index	360668 35 g-index
59 all docs	59 docs citations	59 times ranked	922 citing authors

#	Article	IF	Citations
1	Does globalization matter for environmental degradation? Nexus among energy consumption, economic growth, and carbon dioxide emission. Energy Policy, 2021, 153, 112230.	4.2	173
2	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.	1.9	148
3	Endophytic Streptomyces laurentii Mediated Green Synthesis of Ag-NPs with Antibacterial and Anticancer Properties for Developing Functional Textile Fabric Properties. Antibiotics, 2020, 9, 641.	1.5	120
4	Machine Learning for Plant Breeding and Biotechnology. Agriculture (Switzerland), 2020, 10, 436.	1.4	95
5	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.	1.3	59
6	Artificial Neural Networks in Agriculture. Agriculture (Switzerland), 2021, 11, 497.	1.4	57
7	Selection of Independent Variables for Crop Yield Prediction Using Artificial Neural Network Models with Remote Sensing Data. Land, 2021, 10, 609.	1.2	51
8	Simple model based on artificial neural network for early prediction and simulation winter rapeseed yield. Journal of Integrative Agriculture, 2019, 18, 54-61.	1.7	45
9	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.	2.0	42
10	Application of Artificial Neural Networks for Multi-Criteria Yield Prediction of Winter Rapeseed. Sustainability, 2019, 11, 533.	1.6	38
11	Bee Venomâ€"A Potential Complementary Medicine Candidate for SARS-CoV-2 Infections. Frontiers in Public Health, 2020, 8, 594458.	1.3	36
12	Application of Artificial Neural Networks for Yield Modeling of Winter Rapeseed Based on Combined Quantitative and Qualitative Data. Agronomy, 2019, 9, 781.	1.3	30
13	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.	1.2	29
14	Dynamic effects of fiscal and monetary policy instruments on environmental pollution in ASEAN. Environmental Science and Pollution Research, 2021, 28, 65116-65126.	2.7	28
15	Natural resources commodity prices volatility and economic performance: Evaluating the role of green finance. Resources Policy, 2022, 76, 102557.	4.2	28
16	Seed Priming Boost Adaptation in Pea Plants under Drought Stress. Plants, 2021, 10, 2201.	1.6	25
17	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.	1.9	24
18	Roles of Exogenous Î±-Lipoic Acid and Cysteine in Mitigation of Drought Stress and Restoration of Grain Quality in Wheat. Plants, 2021, 10, 2318.	1.6	24

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19	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.	1.3	23
20	Quantification of Chlorophyll and Carotene Pigments Content in Mountain Melick (Melica nutans L.) in Relation to Edaphic Variables. Forests, 2020, 11, 1197.	0.9	23
21	The Efficiency of Industrial and Laboratory Anaerobic Digesters of Organic Substrates: The Use of the Biochemical Methane Potential Correction Coefficient. Energies, 2020, 13, 1280.	1.6	22
22	Software supporting definition and extraction of the quality parameters of potatoes by using image analysis. Proceedings of SPIE, 2016, , .	0.8	21
23	Modeling Agrobacterium-Mediated Gene Transformation of Tobacco (Nicotiana tabacum)â€”A Model Plant for Gene Transformation Studies. Frontiers in Plant Science, 2021, 12, 695110.	1.7	20
24	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.	1.9	18
25	Application of Artificial Neural Networks to Analyze the Concentration of Ferulic Acid, Deoxynivalenol, and Nivalenol in Winter Wheat Grain. Agriculture (Switzerland), 2020, 10, 127.	1.4	18
26	Modelling of Mechanical Properties of Fresh and Stored Fruit of Large Cranberry Using Multiple Linear Regression and Machine Learning. Agriculture (Switzerland), 2022, 12, 200.	1.4	18
27	Linking of Traditional Food and Tourism. The Best Pork of Wielkopolskaâ€”Culinary Tourist Trail: A Case Study. Sustainability, 2020, 12, 5344.	1.6	17
28	Energy Efficiency of Comminution and Extrusion of Maize Substrates Subjected to Methane Fermentation. Energies, 2020, 13, 1887.	1.6	17
29	Protective Effect of Î³-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.	1.7	16
30	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.	1.4	15
31	Simplified and Hybrid Remote Sensing-Based Delineation of Management Zones for Nitrogen Variable Rate Application in Wheat. Agriculture (Switzerland), 2021, 11, 1104.	1.4	14
32	Interactive Effects of Nitrogen and Potassium Fertilizers on Quantitative-Qualitative Traits and Drought Tolerance Indices of Rainfed Wheat Cultivar. Agronomy, 2022, 12, 30.	1.3	14
33	Improving Yield Components and Desirable Eating Quality of Two Wheat Genotypes Using Si and NanoSi Particles under Heat Stress. Plants, 2022, 11, 1819.	1.6	12
34	Rapeseed seeds quality classification with usage of VIS-NIR fiber optic probe and artificial neural networks. , 2016, , .		11
35	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.	1.3	11
36	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.	1.4	10

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37	Agronomic Performance of Rainfed Barley Genotypes under Different Tillage Systems in Highland Areas of Dryland Conditions. Agronomy, 2022, 12, 1070.	1.3	10
38	Genetic Characterization and Agronomic Evaluation of Drought Tolerance in Ten Egyptian Wheat (Triticum aestivum L.) Cultivars. Agronomy, 2022, 12, 1217.	1.3	10
39	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.	1.4	10
40	Comparative Analysis of Plant Growth-PromotingRhizobacteria (PGPR) and Chemical Fertilizers on Quantitative and Qualitative Characteristics of Rainfed Wheat. Agronomy, 2022, 12, 1524.	1.3	10
41	Image analysis techniques in the study of slug behaviour. , 2016, , .		9
42	Neural Modeling of the Distribution of Protein, Water and Gluten in Wheat Grains during Storage. Sustainability, 2020, 12, 5050.	1.6	8
43	Degree of Biomass Conversion in the Integrated Production of Bioethanol and Biogas. Energies, 2021, 14, 7763.	1.6	8
44	Communities of Fungi in Black Cherry Stumps and Effects of Herbicide. Plants, 2020, 9, 1126.	1.6	7
45	Wind Tunnel Experiments on an Aircraft Model Fabricated Using a 3D Printing Technique. Journal of Manufacturing and Materials Processing, 2022, 6, 12.	1.0	7
46	Socio-Economic Factors Influencing Agritourism Farm Stays and Their Safety during the COVID-19 Pandemic: Evidence from Poland. Sustainability, 2022, 14, 3526.	1.6	7
47	Maturity classification for sewage sludge composted with rapeseed straw using neural image analysis. , 2016, , .		6
48	Quantifying Nutrient Content in the Leaves of Cowpea Using Remote Sensing. Applied Sciences (Switzerland), 2022, 12, 458.	1.3	5
49	The Use of Air Induction Nozzles for Application of Fertilizing Preparations Containing Beneficial Microorganisms. Agriculture (Switzerland), 2020, 10, 303.	1.4	4
50	Stock markets dynamics and environmental pollution: emerging issues and policy options in Asia. Environmental Science and Pollution Research, 2021, 28, 61801-61810.	2.7	4
51	Use of computer image analysis methods to evaluate the quality topping sugar beets with using artificial neural networks. , 2016, , .		3
52	An IT system for the simultaneous management of vector and raster images. Proceedings of SPIE, 2016, , .	0.8	3
53	A Framework for Financing Post-Registration Variety Testing System: A Case Study from Poland. Agronomy, 2022, 12, 325.	1.3	3
54	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

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55	IT system for the identification and classification of soil valuation classes. , 2016, , .		0
56	Mitigation of greenhouse gases emissions impact and their influence on terrestrial ecosystem.. IOP Conference Series: Earth and Environmental Science, 2018, 150, 012011.	0.2	0
57	Recovery of phosphorus compounds from thermally-processed wastes. IOP Conference Series: Earth and Environmental Science, 2018, 150, 012010.	0.2	0
58	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.	0.2	0