

Katarzyna PentoÅ›

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

166
citations

1162367

8
h-index

1125271

13
g-index

19
all docs

19
docs citations

19
times ranked

204
citing authors

#	ARTICLE	IF	CITATIONS
1	The methods of extracting the contribution of variables in artificial neural network models – Comparison of inherent instability. Computers and Electronics in Agriculture, 2016, 127, 141-146.	3.7	28
2	Applying an artificial neural network approach to the analysis of tractive properties in changing soil conditions. Soil and Tillage Research, 2017, 165, 113-120.	2.6	25
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.	1.4	18
4	The Relationship between Soil Electrical Parameters and Compaction of Sandy Clay Loam Soil. Agriculture (Switzerland), 2021, 11, 114.	1.4	13
5	Dielectric properties of honey: the potential usability for quality assessment. European Food Research and Technology, 2018, 244, 873-880.	1.6	10
6	Disorders of Humoral Immunity in Children with IgG Subclass Deficiency and Recurrent Respiratory Infections. Advances in Experimental Medicine and Biology, 2018, 1108, 99-106.	0.8	10
7	Analysis of differences between total IgG and sum of the IgG subclasses in children with suspected immunodeficiency – indication of determinants. BMC Immunology, 2018, 19, 22.	0.9	10
8	The identification of the relationship between chemical and electrical parameters of honeys using artificial neural networks. Computers in Biology and Medicine, 2014, 53, 244-249.	3.9	9
9	The identification of relationships between selected honey parameters by extracting the contribution of independent variables in a neural network model. European Food Research and Technology, 2015, 241, 793-801.	1.6	9
10	Application of Soft Computing Techniques for the Analysis of Tractive Properties of a Low-Power Agricultural Tractor under Various Soil Conditions. Complexity, 2020, 2020, 1-11.	0.9	9
11	Average Degree of Coverage and Coverage Unevenness Coefficient as Parameters for Spraying Quality Assessment. Agriculture (Switzerland), 2021, 11, 151.	1.4	6
12	Multilayer perceptron as the tool for modeling of reaction crystallization of barium sulphate in MSMR crystallizer. , 2008, , .		2
13	The Laser Doppler Vibrometry in mechatronics diagnostics. Archives of Civil and Mechanical Engineering, 2015, 15, 962-970.	1.9	2
14	The use of dielectric honey features for overheating diagnostics. Acta Alimentaria, 2019, 48, 28-36.	0.3	1
15	The Effect on the Germination Vigour of Cucumber Seeds after Receiving Magnetic Field Treatment Pre-Sowing. Applied Sciences (Switzerland), 2022, 12, 5490.	1.3	1
16	Mathematical Modelling of the Mechanical Properties of Four Varieties of Brine Pickles Using Neural Networks. Acta Universitatis Cibiniensis Series E: Food Technology, 2020, 24, 257-268.	0.6	0
17	Serum Impedance in Children with Recurrent Respiratory Infections. Advances in Experimental Medicine and Biology, 2022, , 1.	0.8	0