

Ahmad Jahanbakhshi

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,495
citations

257101

24
h-index

329751

37
g-index

47
all docs

47
docs citations

47
times ranked

900
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing an automated monitoring system for fast and accurate prediction of soil texture using an image-based deep learning network and machine vision system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 190, 110669.	2.5	20
2	Evaluation of performance and emission characteristics of a CI engine using functional multi-walled carbon nanotubes (MWCNTs-COOH) additives in biodiesel-diesel blends. <i>Fuel</i> , 2021, 287, 119525.	3.4	27
3	Improving Energy Efficiency of Barley Production Using Joint Data Envelopment Analysis (DEA) and Life Cycle Assessment (LCA): Evaluation of Greenhouse Gas Emissions and Optimization Approach. <i>Sustainability</i> , 2021, 13, 6082.	1.6	25
4	Evaluation of solar panel cooling systems using anodized heat sink equipped with thermoelectric module through the parameters of temperature, power and efficiency. <i>Energy Conversion and Management: X</i> , 2021, 11, 100102.	0.9	8
5	Detection of fraud in ginger powder using an automatic sorting system based on image processing technique and deep learning. <i>Computers in Biology and Medicine</i> , 2021, 136, 104764.	3.9	34
6	Learning-to-augment strategy using noisy and denoised data: Improving generalizability of deep CNN for the detection of COVID-19 in X-ray images. <i>Computers in Biology and Medicine</i> , 2021, 136, 104704.	3.9	33
7	A novel method based on machine vision system and deep learning to detect fraud in turmeric powder. <i>Computers in Biology and Medicine</i> , 2021, 136, 104728.	3.9	21
8	Effect of alumina nanoparticles as additive with diesel-biodiesel blends on performance and emission characteristic of a six-cylinder diesel engine using response surface methodology (RSM). <i>Energy Conversion and Management: X</i> , 2021, 11, 100091.	0.9	35
9	Waste management using an automatic sorting system for carrot fruit based on image processing technique and improved deep neural networks. <i>Energy Reports</i> , 2021, 7, 5248-5256.	2.5	34
10	Performance of bioethanol and diesel fuel by thermodynamic simulation of the miller cycle in the diesel engine. <i>Results in Engineering</i> , 2021, 12, 100279.	2.2	20
11	Novel environmentally friendly fuel: The effect of adding graphene quantum dot (GQD) nanoparticles with ethanol-biodiesel blends on the performance and emission characteristics of a diesel engine. <i>NanoImpact</i> , 2021, 21, 100294.	2.4	34
12	Tolerance to dodder (<i>Cuscuta campestris</i> L.) in citrus species of south of Kerman province - Iran. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2021, , .	1.0	0
13	Determination of Mechanical Properties of Banana Fruit under Quasi-Static Loading in Pressure, Bending, and Shearing Tests. <i>International Journal of Fruit Science</i> , 2020, 20, 314-322.	1.2	27
14	Potentiometric of bioethanol production from cantaloupe waste (Magassi Neishabouri Cultivar). <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2020, 19, 51-55.	1.0	16
15	Use of artificial intelligence for the estimation of effective moisture diffusivity, specific energy consumption, color and shrinkage in quince drying. <i>Journal of Food Process Engineering</i> , 2020, 43, e13358.	1.5	49
16	Classification of sour lemons based on apparent defects using stochastic pooling mechanism in deep convolutional neural networks. <i>Scientia Horticulturae</i> , 2020, 263, 109133.	1.7	83
17	Prediction kinetic, energy and exergy of quince under hot air dryer using ANNs and ANFIS. <i>Food Science and Nutrition</i> , 2020, 8, 594-611.	1.5	68
18	Gene transfer to German chamomile (<i>L chamomilla</i> M) using cationic carbon nanotubes. <i>Scientia Horticulturae</i> , 2020, 263, 109106.	1.7	24

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19	The effect of combined resistance muffler on noise pollution and the allowable driver exposure in Massey-Ferguson tractors (MF 285 and MF 299). <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2020, 19, 409-414.	1.0	1
20	Finite Element Fatigue Analysis of Mouldboard Plough Cross Bar Based on the Draft Force of MF 399 Tractor. <i>Journal of Failure Analysis and Prevention</i> , 2020, 20, 2106-2110.	0.5	0
21	Evaluation of image processing technique and discriminant analysis methods in postharvest processing of carrot fruit. <i>Food Science and Nutrition</i> , 2020, 8, 3346-3352.	1.5	45
22	Influence of ultrasound pre-treatment and temperature on the quality and thermodynamic properties in the drying process of nectarine slices in a hot air dryer. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14818.	0.9	52
23	Potato creep analysis during storage using experimental measurement and finite element method (<sc>FEM</sc>). <i>Journal of Food Process Engineering</i> , 2020, 43, e13522.	1.5	17
24	Performance and emission characteristics of a diesel engine fueled with functionalized multi-wall carbon nanotubes (MWCNTs-OH) and diesel-biodiesel-bioethanol blends. <i>Energy Reports</i> , 2020, 6, 1438-1447.	2.5	58
25	Assessment of kinetics, effective moisture diffusivity, specific energy consumption, shrinkage, and color in the pistachio kernel drying process in microwave drying with ultrasonic pretreatment. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14449.	0.9	55
26	Performance improvement and exhaust emissions reduction in diesel engine through the use of graphene quantum dot (GQD) nanoparticles and ethanol-biodiesel blends. <i>Fuel</i> , 2020, 267, 117116.	3.4	79
27	Accurate classification of cherry fruit using deep CNN based on hybrid pooling approach. <i>Postharvest Biology and Technology</i> , 2020, 166, 111204.	2.9	94
28	Evaluation of image processing technique as an expert system in mulberry fruit grading based on ripeness level using artificial neural networks (ANNs) and support vector machine (SVM). <i>Postharvest Biology and Technology</i> , 2020, 166, 111201.	2.9	104
29	A novel fuel based on biocompatible nanoparticles and ethanol-biodiesel blends to improve diesel engines performance and reduce exhaust emissions. <i>Fuel</i> , 2020, 276, 118079.	3.4	43
30	Investigation of mass transfer, thermodynamics, and greenhouse gases properties in pennyroyal drying. <i>Journal of Food Process Engineering</i> , 2020, 43, e13446.	1.5	38
31	Vibrations analysis of combine harvester seat in time and frequency domain. <i>Journal of Mechanical Engineering and Sciences</i> , 2020, 14, 6251-6258.	0.3	8
32	The effect of microwave and convective dryer with ultrasound pre-treatment on drying and quality properties of walnut kernel. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e14178.	0.9	58
33	Simulation and Mechanical Stress Analysis of the Lower Link Arm of a Tractor Using Finite Element Method. <i>Journal of Failure Analysis and Prevention</i> , 2019, 19, 1666-1672.	0.5	5
34	Application of an olfactory system to detect and distinguish bitter chocolates with different percentages of cocoa. <i>Journal of Food Process Engineering</i> , 2019, 42, e13248.	1.5	9
35	Processing watermelon waste using <i>Saccharomyces cerevisiae</i> yeast and the fermentation method for bioethanol production. <i>Journal of Food Process Engineering</i> , 2019, 42, e13283.	1.5	37
36	Assessment of physical, mechanical, and hydrodynamic properties in reducing postharvest losses of cantaloupe (<sc><i>Cucumis melo</i></sc> var. <i>Cantaloupensis</i>). <i>Journal of Food Process Engineering</i> , 2019, 42, e13091.	1.5	27

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37	Evaluation of engineering properties for waste control of tomato during harvesting and postharvesting. Food Science and Nutrition, 2019, 7, 1473-1481.	1.5	25
38	Influence of vermicompost and sheep manure on mechanical properties of tomato fruit. Food Science and Nutrition, 2019, 7, 1172-1178.	1.5	31
39	Determination of the physical and mechanical properties of a potato (the Agria variety) in order to mechanise the harvesting and post-harvesting operations. Research in Agricultural Engineering, 2019, 65, 33-39.	0.5	19
40	Determination of physical and mechanical properties of carrot in order to reduce waste during harvesting and post-harvesting. Food Science and Nutrition, 2018, 6, 1898-1903.	1.5	35
41	The effect of ultrasound pre-treatment on quality, drying, and thermodynamic attributes of almond kernel under convective dryer using ANNs and ANFIS network. Journal of Food Process Engineering, 2018, 41, e12868.	1.5	73
42	Assessing acoustic emission in 10551 John Deere combine harvester using statistical and artificial intelligence methods. International Journal of Vehicle Noise and Vibration, 2017, 13, 105.	0.0	15
43	Stress Analysis of Crossbar of Moldboard Plough Pulled by Massey Ferguson 285 and 299 Tractors. Advances in Applied Sciences, 2017, 2, 11.	0.2	2
44	Study on Greenhouse Gases Emissions from Two Common Cars in Iran (Paykan Pick-up and Pride). International Journal of Mechanical Engineering and Applications, 2017, 5, 287.	0.3	2
45	Assessing acoustic emission in 10551 John Deere combine harvester using statistical and artificial intelligence methods. International Journal of Vehicle Noise and Vibration, 2017, 13, 105.	0.0	2
46	Comparing Intelligence Quotient (IQ) among 3 to 7-year-old strabismic and nonstrabismic children in an Iranian population. Global Journal of Health Science, 2015, 8, 26.	0.1	3