

Mehdi Khojastehpour

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,193
citations

394286

19
h-index

414303

32
g-index

61
all docs

61
docs citations

61
times ranked

1328
citing authors

#	ARTICLE	IF	CITATIONS
1	An improved risk and reliability framework-based maintenance planning for food processing systems. <i>Quality Technology and Quantitative Management</i> , 2023, 20, 256-278.	1.1	7
2	Sustainable Food Production: An Intelligent Fault Diagnosis Framework for Analyzing the Risk of Critical Processes. <i>Sustainability</i> , 2022, 14, 1083.	1.6	10
3	Textural thermo-mechanical properties of sweet cherry for postharvest damage analysis. <i>Journal of Texture Studies</i> , 2022, 53, 453-464.	1.1	8
4	Analysis of the collision-damage susceptibility of sweet cherry related to environment temperature: A numerical simulating method. <i>Journal of Food Engineering</i> , 2022, 333, 111140.	2.7	4
5	Treatment of municipal landfill leachate: Optimization of organic loading rate in a two-stage CSTR followed by aerobic degradation. <i>Renewable Energy</i> , 2021, 163, 1210-1221.	4.3	13
6	Barrier Properties of PVA/TiO ₂ /MMT Mixed-Matrix Membranes for Food Packaging. <i>Journal of Polymers and the Environment</i> , 2021, 29, 1396-1411.	2.4	20
7	Optimization of rapeseed production using exergy analysis methodology. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100959.	1.7	6
8	Measuring the production performance indicators for food processing industry. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108394.	2.5	9
9	Developmental Changes in Ripeness Indexes and Physico-Chemical Properties of Pomegranate Fruit During Maturity On Tree. <i>Erwerbs-Obstbau</i> , 2021, 63, 215-225.	0.5	1
10	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
11	Detection of foreign materials in cocoa beans by hyperspectral imaging technology. <i>Food Control</i> , 2021, 129, 108242.	2.8	13
12	An Integrated Fuzzy Fault Tree Model with Bayesian Network-Based Maintenance Optimization of Complex Equipment in Automotive Manufacturing. <i>Energies</i> , 2021, 14, 7758.	1.6	12
13	Investigation of Physical Properties Changes of Kiwi Fruit during Different Loadings, Storage, and Modeling with Artificial Neural Network. <i>International Journal of Fruit Science</i> , 2020, 20, S1417-S1435.	1.2	6
14	Gelatin/Whey Protein- Potato Flour Bioplastics: Fabrication and Evaluation. <i>Journal of Polymers and the Environment</i> , 2020, 28, 2029-2038.	2.4	22
15	Impact of gliding arc plasma pretreatment on drying efficiency and physicochemical properties of grape. <i>Innovative Food Science and Emerging Technologies</i> , 2020, 63, 102381.	2.7	69
16	Application of cumulative exergy consumption approach to assess the sustainability of rapeseed production in two different farming systems. <i>International Journal of Exergy</i> , 2020, 33, 345.	0.2	4
17	Application of cumulative exergy consumption approach to assess the sustainability of rapeseed production in two different farming systems. <i>International Journal of Exergy</i> , 2020, 33, 345.	0.2	0
18	A comparative study of reflectance and transmittance modes of Vis/NIR spectroscopy used in determining internal quality attributes in pomegranate fruits. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 3130-3139.	1.6	18

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19	Disparity map computation of tree using stereo vision system and effects of canopy shapes and foliage density. <i>Computers and Electronics in Agriculture</i> , 2019, 156, 627-644.	3.7	18
20	Instrumental measurement of pomegranate texture during four maturity stages. <i>Journal of Texture Studies</i> , 2019, 50, 410-415.	1.1	6
21	Comparison of block-based stereo and semi-global algorithm and effects of pre-processing and imaging parameters on tree disparity map. <i>Scientia Horticulturae</i> , 2019, 247, 264-274.	1.7	5
22	Online measuring of quality changes of banana slabs during convective drying. <i>Engineering in Agriculture, Environment and Food</i> , 2019, 12, 111-117.	0.2	10
23	FEM-based simulation of the mechanical behavior of grapefruit under compressive loading. <i>Scientia Horticulturae</i> , 2019, 245, 39-46.	1.7	34
24	Aerodynamic separation and cleaning of pomegranate arils from rind and white segments (locular) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.0	8
25	Hybrid landfill gas emissions modeling and life cycle assessment for determining the appropriate period to install biogas system. <i>Journal of Cleaner Production</i> , 2018, 185, 772-780.	4.6	32
26	A comparative evaluation of combined feature detectors and descriptors in different color spaces for stereo image matching of tree. <i>Scientia Horticulturae</i> , 2018, 228, 187-195.	1.7	13
27	Sensitivity analysis of energy inputs and economic evaluation of pomegranate production in Iran. <i>Information Processing in Agriculture</i> , 2018, 5, 114-123.	2.9	25
28	Non-destructive evaluation of maturity and quality parameters of pomegranate fruit by visible/near infrared spectroscopy. <i>International Journal of Food Properties</i> , 2017, 20, 41-52.	1.3	41
29	Development of a multispectral imaging system for online quality assessment of pomegranate fruit. <i>International Journal of Food Properties</i> , 2017, 20, 107-118.	1.3	34
30	Determining quality and maturity of pomegranates using multispectral imaging. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2017, 16, 322-331.	1.0	19
31	Convective drying simulation of banana slabs considering non-isotropic shrinkage using FEM with the Arbitrary Lagrangian-Eulerian method. <i>International Journal of Food Properties</i> , 2017, 20, S36-S49.	1.3	21
32	Energy flow modeling and predicting the yield of Iranian paddy cultivars using artificial neural networks. <i>Energy</i> , 2017, 135, 405-412.	4.5	44
33	Mesophilic co-digestion of municipal solid waste and sewage sludge: Effect of mixing ratio, total solids, and alkaline pretreatment. <i>International Biodeterioration and Biodegradation</i> , 2017, 125, 97-104.	1.9	50
34	Effect of ultrasonic pre-treatment on biogas yield and specific energy in anaerobic digestion of fruit and vegetable wholesale market wastes. <i>Sustainable Environment Research</i> , 2017, 27, 259-264.	2.1	90
35	Development of a machine vision system for determination of mechanical properties of onions. <i>Computers and Electronics in Agriculture</i> , 2017, 141, 131-139.	3.7	6
36	Environmental impacts modeling of Iranian peach production. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 677-682.	8.2	42

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37	Carob moth, <i>Ectomyelois ceratoniae</i> , detection in pomegranate using visible/near infrared spectroscopy. <i>Computers and Electronics in Agriculture</i> , 2016, 129, 9-14.	3.7	11
38	Ergonomic assessment of drivers in MF285 and MF399 tractors during clutching using algometer. <i>Information Processing in Agriculture</i> , 2016, 3, 54-60.	2.9	4
39	Characterization of hot-air drying and infrared drying of spearmint (<i>Mentha spicata</i> L.) leaves. <i>Journal of Food Measurement and Characterization</i> , 2016, 10, 466-473.	1.6	46
40	Predicting Cantaloupe Bruising Using Non-Linear Finite Element Method. <i>International Journal of Food Properties</i> , 2015, 18, 2015-2025.	1.3	14
41	Life Cycle Assessment modeling of milk production in Iran. <i>Information Processing in Agriculture</i> , 2015, 2, 101-108.	2.9	19
42	Environmental impacts of peanut production system using life cycle assessment methodology. <i>Journal of Cleaner Production</i> , 2015, 92, 84-90.	4.6	53
43	Preparation and Characterization of PVA/ZnO Nanocomposite. <i>Journal of Food Processing and Preservation</i> , 2015, 39, 1442-1451.	0.9	89
44	A Comparative Study of Energy Use and Greenhouse Gas Emissions of Canola Production. <i>International Journal of Agricultural Management and Development</i> , 2015, 5, 51.	0.1	26
45	Blunt crack-tip elastoplastic zone of mixed mode fracture. <i>Acta Mechanica Solida Sinica</i> , 2014, 27, 531-541.	1.0	2
46	Investigation of energy inputs for peach production using sensitivity analysis in Iran. <i>Energy Conversion and Management</i> , 2012, 64, 441-446.	4.4	48
47	Mass modeling of cantaloupe based on geometric attributes: A case study for Tile Magasi and Tile Shahri. <i>Scientia Horticulturae</i> , 2011, 130, 54-59.	1.7	16
48	Evaluation of an Earth-to-Air Heat Exchanger for the North-East of Iran with Semi-Arid Climate. <i>International Journal of Green Energy</i> , 2011, 8, 499-510.	2.1	62
49	ROLE OF MODEL PARTICLE SHAPE IN DISCRETE ELEMENT MODELS OF BED STRUCTURE IN CONTAINERS. <i>Journal of Food Process Engineering</i> , 2010, 33, 117-130.	1.5	4
50	Antisymmetric bifurcation in an elastoplastic cylinder with tangential plasticity. <i>Mechanics of Materials</i> , 2006, 38, 1061-1071.	1.7	9
51	Antisymmetric Bifurcation in Elastoplastic Cylinders under Uniaxial Compression. <i>Journal of Applied Mechanics</i> , 2005, 8, 361-366.	0.1	0
52	Axisymmetric bifurcation analysis in soils by the tangential-subloading surface model. <i>Journal of the Mechanics and Physics of Solids</i> , 2004, 52, 2235-2262.	2.3	27
53	Plane strain bifurcation analysis of soils by the tangential-subloading surface model. <i>International Journal of Solids and Structures</i> , 2004, 41, 5541-5563.	1.3	23
54	Axisymmetric Bifurcations of Metals with Tangential-Subloading Surface Model. <i>Journal of Applied Mechanics</i> , 2004, 7, 527-534.	0.1	2

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55	Extended gradient plasticity by the subloading surface model with tangential plasticity. Journal of Applied Mechanics, 2003, 6, 531-540.	0.1	1
56	Bifurcation analysis of diffuse modes by the subloading surface model with tangential stress rate effect. Journal of Applied Mechanics, 2003, 6, 513-520.	0.1	3
57	Production and Evaluation of Agricultural Biodegradable Mulch through Heat and Moisture Distribution in Soil. Tarim Bilimleri Dergisi, 0, , .	0.4	1
58	3D modelling of gas permeation through composite PVA/TiO ₂ and PVA/MMT thin films. , 0, , .		0
59	Inspection interval optimization for complex equipment in automotive manufacturing under dependent failures. Forschung Im Ingenieurwesen/Engineering Research, 0, , 1.	1.0	0