Mehdi Khojastehpour

List of Publications by Year
in descending order

59	1,193	393982	414034
papers	citations	19 h-index	32 g-index

61	61	61	1328
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of ultrasonic pre-treatment on biogas yield and specific energy in anaerobic digestion of fruit and vegetable wholesale market wastes. Sustainable Environment Research, 2017, 27, 259-264.	2.1	90
2	Preparation and Characterization of PVA/ZnO Nanocomposite. Journal of Food Processing and Preservation, 2015, 39, 1442-1451.	0.9	89
3	Impact of gliding arc plasma pretreatment on drying efficiency and physicochemical properties of grape. Innovative Food Science and Emerging Technologies, 2020, 63, 102381.	2.7	69
4	Evaluation of an Earth-to-Air Heat Exchanger for the North-East of Iran with Semi-Arid Climate. International Journal of Green Energy, 2011, 8, 499-510.	2.1	62
5	Environmental impacts of peanut production system using life cycle assessment methodology. Journal of Cleaner Production, 2015, 92, 84-90.	4.6	53
6	Mesophilic co-digestion of municipal solid waste and sewage sludge: Effect of mixing ratio, total solids, and alkaline pretreatment. International Biodeterioration and Biodegradation, 2017, 125, 97-104.	1.9	50
7	Investigation of energy inputs for peach production using sensitivity analysis in Iran. Energy Conversion and Management, 2012, 64, 441-446.	4.4	48
8	Characterization of hot-air drying and infrared drying of spearmint (Mentha spicata L.) leaves. Journal of Food Measurement and Characterization, 2016, 10, 466-473.	1.6	46
9	Energy flow modeling and predicting the yield of Iranian paddy cultivars using artificial neural networks. Energy, 2017, 135, 405-412.	4.5	44
10	Environmental impacts modeling of Iranian peach production. Renewable and Sustainable Energy Reviews, 2017, 75, 677-682.	8.2	42
11	Non-destructive evaluation of maturity and quality parameters of pomegranate fruit by visible/near infrared spectroscopy. International Journal of Food Properties, 2017, 20, 41-52.	1.3	41
12	Development of a multispectral imaging system for online quality assessment of pomegranate fruit. International Journal of Food Properties, 2017, 20, 107-118.	1.3	34
13	FEM-based simulation of the mechanical behavior of grapefruit under compressive loading. Scientia Horticulturae, 2019, 245, 39-46.	1.7	34
14	Hybrid landfill gas emissions modeling and life cycle assessment for determining the appropriate period to install biogas system. Journal of Cleaner Production, 2018, 185, 772-780.	4.6	32
15	Axisymmetric bifurcation analysis in soils by the tangential-subloading surface model. Journal of the Mechanics and Physics of Solids, 2004, 52, 2235-2262.	2.3	27
16	A Comparative Study of Energy Use and Greenhouse Gas Emissions of Canola Production. International Journal of Agricultural Management and Development, 2015, 5, 51.	0.1	26
17	Sensitivity analysis of energy inputs and economic evaluation of pomegranate production in Iran. Information Processing in Agriculture, 2018, 5, 114-123.	2.9	25
18	Plane strain bifurcation analysis of soils by the tangentialâ€“subloading surface model. International Journal of Solids and Structures, 2004, 41, 5541-5563.	1.3	23

#	Article	IF	Citations
19	Gelatin/Whey Protein- Potato Flour Bioplastics: Fabrication and Evaluation. Journal of Polymers and the Environment, 2020, 28, 2029-2038.	2.4	22
20	Convective drying simulation of banana slabs considering non-isotropic shrinkage using FEM with the Arbitrary Lagrangianâ€“Eulerian method. International Journal of Food Properties, 2017, 20, S36-S49.	1.3	21
21	Barrier Properties of PVA/TiO2/MMT Mixed-Matrix Membranes for Food Packaging. Journal of Polymers and the Environment, 2021, 29, 1396-1411.	2.4	20
22	Life Cycle Assessment modeling of milk production in Iran. Information Processing in Agriculture, 2015, 2, 101-108.	2.9	19
23	Determining quality and maturity of pomegranates using multispectral imaging. Journal of the Saudi Society of Agricultural Sciences, 2017, 16, 322-331.	1.0	19
24	A comparative study of reflectance and transmittance modes of Vis/NIR spectroscopy used in determining internal quality attributes in pomegranate fruits. Journal of Food Measurement and Characterization, 2019, 13, 3130-3139.	1.6	18
25	Disparity map computation of tree using stereo vision system and effects of canopy shapes and foliage density. Computers and Electronics in Agriculture, 2019, 156, 627-644.	3.7	18
26	Mass modeling of cantaloupe based on geometric attributes: A case study for Tile Magasi and Tile Shahri. Scientia Horticulturae, 2011, 130, 54-59.	1.7	16
27	Predicting Cantaloupe Bruising Using Non-Linear Finite Element Method. International Journal of Food Properties, 2015, 18, 2015-2025.	1.3	14
28	A comparative evaluation of combined feature detectors and descriptors in different color spaces for stereo image matching of tree. Scientia Horticulturae, 2018, 228, 187-195.	1.7	13
29	Treatment of municipal landfill leachate: Optimization of organic loading rate in a two-stage CSTR followed by aerobic degradation. Renewable Energy, 2021, 163, 1210-1221.	4.3	13
30	Detection of foreign materials in cocoa beans by hyperspectral imaging technology. Food Control, 2021, 129, 108242.	2.8	13
31	An Integrated Fuzzy Fault Tree Model with Bayesian Network-Based Maintenance Optimization of Complex Equipment in Automotive Manufacturing. Energies, 2021, 14, 7758.	1.6	12
32	Carob moth, Ectomyelois ceratoniae, detection in pomegranate using visible/near infrared spectroscopy. Computers and Electronics in Agriculture, 2016, 129, 9-14.	3.7	11
33	Online measuring of quality changes of banana slabs during convective drying. Engineering in Agriculture, Environment and Food, 2019, 12, 111-117.	0.2	10
34	Sustainable Food Production: An Intelligent Fault Diagnosis Framework for Analyzing the Risk of Critical Processes. Sustainability, 2022, 14, 1083.	1.6	10
35	Antisymmetric bifurcation in an elastoplastic cylinder with tangential plasticity. Mechanics of Materials, 2006, 38, 1061-1071.	1.7	9
36	Measuring the production performance indicators for food processing industry. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108394.	2.5	9

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37	Aerodynamic separation and cleaning of pomegranate arils from rind and white segments (locular) Tj ETQq1 1 0.784314 rgBT /Overlo	1.0	8
38	Evaluation of solar panel cooling systems using anodized heat sink equipped with thermoelectric module through the parameters of temperature, power and efficiency. Energy Conversion and Management: X, 2021, 11, 100102.	0.9	8
39	Textural thermoâ€mechanical properties of sweet cherry for postharvest damage analysis. Journal of Texture Studies, 2022, 53, 453-464.	1.1	8
40	An improved risk and reliability framework-based maintenance planning for food processing systems. Quality Technology and Quantitative Management, 2023, 20, 256-278.	1.1	7
41	Development of a machine vision system for determination of mechanical properties of onions. Computers and Electronics in Agriculture, 2017, 141, 131-139.	3.7	6
42	Instrumental measurement of pomegranate texture during four maturity stages. Journal of Texture Studies, 2019, 50, 410-415.	1.1	6
43	Investigation of Physical Properties Changes of Kiwi Fruit during Different Loadings, Storage, and Modeling with Artificial Neural Network. International Journal of Fruit Science, 2020, 20, S1417-S1435.	1.2	6
44	Optimization of rapeseed production using exergy analysis methodology. Sustainable Energy Technologies and Assessments, 2021, 43, 100959.	1.7	6
45	Comparison of block-based stereo and semi-global algorithm and effects of pre-processing and imaging parameters on tree disparity map. Scientia Horticulturae, 2019, 247, 264-274.	1.7	5
46	ROLE OF MODEL PARTICLE SHAPE IN DISCRETE ELEMENT MODELS OF BED STRUCTURE IN CONTAINERS. Journal of Food Process Engineering, 2010, 33, 117-130.	1.5	4
47	Ergonomic assessment of drivers in MF285 and MF399 tractors during clutching using algometer. Information Processing in Agriculture, 2016, 3, 54-60.	2.9	4
48	Application of cumulative exergy consumption approach to assess the sustainability of rapeseed production in two different farming systems. International Journal of Exergy, 2020, 33, 345.	0.2	4
49	Analysis of the collision-damage susceptibility of sweet cherry related to environment temperature: A numerical simulating method. Journal of Food Engineering, 2022, 333, 111140.	2.7	4
50	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
51	Axisymmetric Bifurcations of Metals with Tangential-Subloading Surface Model. Journal of Applied Mechanics, 2004, 7, 527-534.	0.1	2
52	Blunt crack-tip elastoplastic zone of mixed mode fracture. Acta Mechanica Solida Sinica, 2014, 27, 531-541.	1.0	2
53	Extended gradient plasticity by the subloading surface model with tangential plasticity. Journal of Applied Mechanics, 2003, 6, 531-540.	0.1	1
54	Developmental Changes in Ripeness Indexes and Physico-Chemical Properties of Pomegranate Fruit During Maturity On Tree. Erwerbs-Obstbau, 2021, 63, 215-225.	0.5	1

#	Article	IF	Citations
55	Production and Evaluation of Agricultural Biodegradable Mulch through Heat and Moisture Distribution in Soil. Tarim Bilimleri Dergisi, 0, , .	0.4	1
56	Antisymmetric Bifurcation in Elastoplastic Cylinders under Uniaxial Compression. Journal of Applied Mechanics, 2005, 8, 361-366.	0.1	0
57	3D modelling of gas permeation through composite PVA/TiO2 and PVA/MMT thin films. , 0, , .		0
58	Application of cumulative exergy consumption approach to assess the sustainability of rapeseed production in two different farming systems. International Journal of Exergy, 2020, 33, 345.	0.2	0
59	Inspection interval optimization for complex equipment in automotive manufacturing under dependent failures. Forschung Im Ingenieurwesen/Engineering Research, 0, , 1.	1.0	0