

# Mahmood Reza Golzarian

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

639  
citations

623574

14  
h-index

642610

23  
g-index

34  
all docs

34  
docs citations

34  
times ranked

777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a machine vision dual-axis solar tracking system. <i>Solar Energy</i> , 2018, 169, 136-143.	2.9	69
2	Analyzing drying characteristics and modeling of thin layers of peppermint leaves under hot-air and infrared treatments. <i>Information Processing in Agriculture</i> , 2017, 4, 128-139.	2.9	59
3	A Riemannian Elastic Metric for Shape-Based Plant Leaf Classification. , 2012, , .		46
4	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
5	Comparison of Drying Characteristics and Quality of Peppermint Leaves Using Different Drying Methods. <i>Journal of Food Processing and Preservation</i> , 2017, 41, e12930.	0.9	41
6	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
7	Detection and classification of citrus green mold caused by <i>Penicillium digitatum</i> using multispectral imaging. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 3542-3550.	1.7	33
8	An intelligent integrated control of hybrid hot air-infrared dryer based on fuzzy logic and computer vision system. <i>Computers and Electronics in Agriculture</i> , 2017, 137, 138-149.	3.7	28
9	Finite element analysis of the dynamic behavior of pear under impact loading. <i>Information Processing in Agriculture</i> , 2017, 4, 64-77.	2.9	26
10	Development of multiple regression model to estimate the apple's bruise depth using thermal maps. <i>Postharvest Biology and Technology</i> , 2016, 116, 75-79.	2.9	25
11	Variations in spatial patterns of soil's vegetation properties over subsidence-related ground fissures at an arid ecotone in northeastern Iran. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	22
12	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
13	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
14	Potential of combined Water Sensitive Urban Design systems for salinity treatment in urban environments. <i>Journal of Environmental Management</i> , 2018, 209, 169-175.	3.8	17
15	Effect of Loading Position and Storage Duration on the Textural Properties of Eggplant. <i>International Journal of Food Properties</i> , 2016, 19, 814-825.	1.3	16
16	Real-time monitoring of color variations of apple slices and effects of pre-treatment and drying air temperature. <i>Journal of Food Measurement and Characterization</i> , 2016, 10, 493-506.	1.6	15
17	Improvement of kiwifruit drying using computer vision system (CVS) and ALM clustering method. <i>Drying Technology</i> , 2017, 35, 709-723.	1.7	14
18	A new color index for vegetation segmentation and classification. <i>Precision Agriculture</i> , 2021, 22, 179-204.	3.1	14

#	ARTICLE	IF	CITATIONS
19	Detection of foreign materials in cocoa beans by hyperspectral imaging technology. Food Control, 2021, 129, 108242.	2.8	13
20	Non-Destructive Estimation of Mechanical and Chemical Properties of Persimmons by Ultrasonic Spectroscopy. International Journal of Food Properties, 2016, 19, 1522-1534.	1.3	12
21	Carob moth, <i>Ectomyelois ceratoniae</i> , detection in pomegranate using visible/near infrared spectroscopy. Computers and Electronics in Agriculture, 2016, 129, 9-14.	3.7	11
22	Numerical simulation of the Mexico wind turbine using the actuator disk model along with the 3D correction of aerodynamic coefficients in OpenFOAM. Renewable Energy, 2021, 163, 2029-2036.	4.3	9
23	Optimal pretreatment determination of kiwifruit drying via online monitoring. Journal of the Science of Food and Agriculture, 2016, 96, 4785-4796.	1.7	8
24	Dye-Sensitized Solar Cell Using Saffron Petal Extract as a Novel Natural Sensitizer. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, .	1.1	8
25	Aerodynamic separation and cleaning of pomegranate arils from rind and white segments (locular) Tj ETQq1 1 0.784314 rgBT <sub>g</sub> /Overlook	1.0	8
26	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
27	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
28	Instrumental measurement of pomegranate texture during four maturity stages. Journal of Texture Studies, 2019, 50, 410-415.	1.1	6
29	Variations in spatial patterns of soil-vegetation properties and the emergence of multiple resilience thresholds within different debris flow fan positions. Geomorphology, 2017, 290, 365-375.	1.1	5
30	Adaptive segmentation of plant images, an integration of color space features and self-organizing maps. , 2011, , .		2
31	Improving The Efficiency of DSSC with A Novel Multi-dye layers Approach. Optik, 2020, 208, 164068.	1.4	2
32	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
33	Staining Ability of Turmeric-Persica Solution and Turmeric-GC-MI Plus Paste on Remnant Adhesive Resin after Bracket Debonding. Journal of Clinical and Diagnostic Research JCDR, 0, , .	0.8	0