

# Redmond Ramin Shamshiri

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,638  
citations

516710

16  
h-index

315739

38  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1592  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating Evaporative Cooling Assisted Solid Desiccant Dehumidification System for Agricultural Storage Application. <i>Sustainability</i> , 2022, 14, 1479.	3.2	6
2	UAV Oblique Imagery with an Adaptive Micro-Terrain Model for Estimation of Leaf Area Index and Height of Maize Canopy from 3D Point Clouds. <i>Remote Sensing</i> , 2022, 14, 585.	4.0	16
3	Simulating Cotton Growth and Productivity Using AquaCrop Model under Deficit Irrigation in a Semi-Arid Climate. <i>Agriculture (Switzerland)</i> , 2022, 12, 242.	3.1	11
4	Scientific Irrigation Scheduling for Sustainable Production in Olive Groves. <i>Agriculture (Switzerland)</i> , 2022, 12, 564.	3.1	10
5	An Overview of Antibiotic Resistance and Abiotic Stresses Affecting Antimicrobial Resistance in Agricultural Soils. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4666.	2.6	19
6	Machine Learning for Determining Interactions between Air Pollutants and Environmental Parameters in Three Cities of Iran. <i>Sustainability</i> , 2022, 14, 8027.	3.2	2
7	A review on opportunities for implementation of solar energy technologies in agricultural greenhouses. <i>Journal of Cleaner Production</i> , 2021, 285, 124807.	9.3	122
8	Review of research progress on soil moisture sensor technology. <i>International Journal of Agricultural and Biological Engineering</i> , 2021, 14, 32-42.	0.6	42
9	Dynamic Evaluation of Desiccant Dehumidification Evaporative Cooling Options for Greenhouse Air-Conditioning Application in Multan (Pakistan). <i>Energies</i> , 2021, 14, 1097.	3.1	17
10	Free Discharge of Subsurface Drainage Effluent: An Alternate Design of the Surface Drain System in Pakistan. <i>Sustainability</i> , 2021, 13, 4080.	3.2	6
11	Recent progress on water vapor adsorption equilibrium by metal-organic frameworks for heat transformation applications. <i>International Communications in Heat and Mass Transfer</i> , 2021, 124, 105242.	5.6	33
12	Impact of Camera Viewing Angle for Estimating Leaf Parameters of Wheat Plants from 3D Point Clouds. <i>Agriculture (Switzerland)</i> , 2021, 11, 563.	3.1	12
13	Effect of In Vitro Digestion on the Antioxidant and Angiotensin-Converting Enzyme Inhibitory Potential of Buffalo Milk Processed Cheddar Cheese. <i>Foods</i> , 2021, 10, 1661.	4.3	2
14	Artificial Intelligence for the Prediction of the Thermal Performance of Evaporative Cooling Systems. <i>Energies</i> , 2021, 14, 3946.	3.1	25
15	Investigation of Energy Consumption and Associated CO <sub>2</sub> Emissions for Wheat-Rice Crop Rotation Farming. <i>Energies</i> , 2021, 14, 5094.	3.1	9
16	Effects of the COVID-19 Pandemic on Food Security and Agriculture in Iran: A Survey. <i>Sustainability</i> , 2021, 13, 10103.	3.2	22
17	Comprehensive Evaluation of Soil Moisture Sensing Technology Applications Based on Analytic Hierarchy Process and Delphi. <i>Agriculture (Switzerland)</i> , 2021, 11, 1116.	3.1	4
18	Recent updates on the adsorption capacities of adsorbent-adsorbate pairs for heat transformation applications. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109630.	16.4	68

#	ARTICLE	IF	CITATIONS
19	IoT-Based Sensor Data Fusion for Determining Optimality Degrees of Microclimate Parameters in Commercial Greenhouse Production of Tomato. <i>Sensors</i> , 2020, 20, 6474.	3.8	21
20	Applications of solar PV systems in agricultural automation and robotics. , 2020, , 191-235.		18
21	Investigating Applicability of Evaporative Cooling Systems for Thermal Comfort of Poultry Birds in Pakistan. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4445.	2.5	22
22	Effect of 1-Methyl Cyclopropane and Modified Atmosphere Packaging on the Storage of Okra ( <i>Abelmoschus esculentus</i> L.): Theory and Experiments. <i>Sustainability</i> , 2020, 12, 7547.	3.2	6
23	Investigating Solid and Liquid Desiccant Dehumidification Options for Room Air-Conditioning and Drying Applications. <i>Sustainability</i> , 2020, 12, 10582.	3.2	11
24	Pollution Characteristics of Particulate Matter (PM2.5 and PM10) and Constituent Carbonaceous Aerosols in a South Asian Future Megacity. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8864.	2.5	13
25	Model-based evaluation of greenhouse microclimate using IoT-Sensor data fusion for energy efficient crop production. <i>Journal of Cleaner Production</i> , 2020, 263, 121303.	9.3	61
26	Using SPOT-7 for Nitrogen Fertilizer Management in Oil Palm. <i>Agriculture (Switzerland)</i> , 2020, 10, 133.	3.1	6
27	Modification of colorimetric method based digital soil test kit for determination of macronutrients in oil palm plantation. <i>International Journal of Agricultural and Biological Engineering</i> , 2020, 13, 188-197.	0.6	7
28	Precision Agriculture Technologies for Management of Plant Diseases. <i>Sustainability in Plant and Crop Protection</i> , 2020, , 259-278.	0.4	12
29	Solar photovoltaic power generation in Iran: Development, policies, and barriers. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 106, 110-123.	16.4	97
30	Evaluating system of rice intensification using a modified transplanter: A smart farming solution toward sustainability of paddy fields in Malaysia. <i>International Journal of Agricultural and Biological Engineering</i> , 2019, 12, 54-67.	0.6	2
31	Investigation of carbon based adsorbents for the development of thermally-driven adsorption cooling systems. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 414, 012004.	0.6	0
32	An overview of the System of Rice Intensification for Paddy Fields of Malaysia. <i>Indian Journal of Science and Technology</i> , 2018, 11, 1-16.	0.7	7
33	Mining and Development of Novel SSR Markers Using Next Generation Sequencing (NGS) Data in Plants. <i>Molecules</i> , 2018, 23, 399.	3.8	141
34	Review of optimum temperature, humidity, and vapour pressure deficit for microclimate evaluation and control in greenhouse cultivation of tomato: a review. <i>International Agrophysics</i> , 2018, 32, 287-302.	1.7	229
35	Advances in greenhouse automation and controlled environment agriculture: A transition to plant factories and urban agriculture. <i>International Journal of Agricultural and Biological Engineering</i> , 2018, 11, 1-22.	0.6	172
36	Simulation software and virtual environments for acceleration of agricultural robotics: Features highlights and performance comparison. <i>International Journal of Agricultural and Biological Engineering</i> , 2018, 11, 12-20.	0.6	15

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37	Research and development in agricultural robotics: A perspective of digital farming. International Journal of Agricultural and Biological Engineering, 2018, 11, 1-11.	0.6	190
38	Research and development in agricultural robotics: A perspective of digital farming. International Journal of Agricultural and Biological Engineering, 2018, 11, 1-11.	0.6	82
39	Digital growth response maps for assessment of cooling requirement in greenhouse production of tomato. Acta Horticulturae, 2017, , 117-124.	0.2	1
40	Membership function model for defining optimality of vapor pressure deficit in closed-field cultivation of tomato. Acta Horticulturae, 2017, , 281-290.	0.2	20
41	Measuring optimality degrees of microclimate parameters in protected cultivation of tomato under tropical climate condition. Measurement: Journal of the International Measurement Confederation, 2017, 106, 236-244.	5.0	19
42	Adaptive Management Framework for Evaluating and Adjusting Microclimate Parameters in Tropical Greenhouse Crop Production Systems. , 2017, , .		9
43	Robotic Harvesting of Fruiting Vegetables: A Simulation Approach in V-REP, ROS and MATLAB. , 0, , .		15
44	Fundamental Research on Unmanned Aerial Vehicles to Support Precision Agriculture in Oil Palm Plantations. , 0, , .		16
45	Development of a Field Robot Platform for Mechanical Weed Control in Greenhouse Cultivation of Cucumber. , 0, , .		1
46	Temperature and Humidity Control for the Next Generation Greenhouses: Overview of Desiccant and Evaporative Cooling Systems. , 0, , .		2
47	Greenhouse Crop Simulation Models and Microclimate Control Systems, A Review. , 0, , .		3
48	Greenhouse Automation Using Wireless Sensors and IoT Instruments Integrated with Artificial Intelligence. , 0, , .		8
49	Digital Agriculture and Intelligent Farming Business Using Information and Communication Technology: A Survey. , 0, , .		0
50	An Overview of Soil Moisture and Salinity Sensors for Digital Agriculture Applications. , 0, , .		2