

# GinÃ©s GarcÃ-a-Mateos

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

928  
citations

471061

17  
h-index

525886

27  
g-index

62  
all docs

62  
docs citations

62  
times ranked

891  
citing authors

#	ARTICLE	IF	CITATIONS
1	FARMIT: continuous assessment of crop quality using machine learning and deep learning techniques for IoT-based smart farming. <i>Cluster Computing</i> , 2022, 25, 2163-2178.	3.5	11
2	Using metaheuristic algorithms to improve the estimation of acidity in Fuji apples using NIR spectroscopy. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101776.	3.5	12
3	Metaheuristic algorithms in visible and near infrared spectra to detect excess nitrogen content in tomato plants. <i>Journal of Near Infrared Spectroscopy</i> , 2022, 30, 197-207.	0.8	4
4	Convolutional Neural Networks for Estimating the Ripening State of Fuji Apples Using Visible and Near-Infrared Spectroscopy. <i>Food and Bioprocess Technology</i> , 2022, 15, 2226-2236.	2.6	15
5	Early Detection of Excess Nitrogen Consumption in Cucumber Plants Using Hyperspectral Imaging Based on Hybrid Neural Networks and the Imperialist Competitive Algorithm. <i>Agronomy</i> , 2021, 11, 575.	1.3	17
6	Identification of Internal Defects in Potato Using Spectroscopy and Computational Intelligence Based on Majority Voting Techniques. <i>Foods</i> , 2021, 10, 982.	1.9	4
7	Nondestructive nitrogen content estimation in tomato plant leaves by Vis-NIR hyperspectral imaging and regression data models. <i>Applied Optics</i> , 2021, 60, 9560.	0.9	9
8	Estimation of nitrogen content in cucumber plant ( <i>Cucumis sativus</i> L.) leaves using hyperspectral imaging data with neural network and partial least squares regressions. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 217, 104404.	1.8	22
9	A systematic mapping study for ensemble classification methods in cardiovascular disease. <i>Artificial Intelligence Review</i> , 2021, 54, 2827-2861.	9.7	11
10	One-Dimensional Convolutional Neural Networks for Hyperspectral Analysis of Nitrogen in Plant Leaves. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11853.	1.3	10
11	Text Normalization Using Encoder-Decoder Networks Based on the Causal Feature Extractor. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4551.	1.3	9
12	Estimation of different ripening stages of Fuji apples using image processing and spectroscopy based on the majority voting method. <i>Computers and Electronics in Agriculture</i> , 2020, 176, 105643.	3.7	17
13	Preliminary Results on Different Text Processing Tasks Using Encoder-Decoder Networks and the Causal Feature Extractor. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5772.	1.3	3
14	Recent Advances in Applications of Remote Image Capture Systems in Agriculture. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7527.	1.3	0
15	Systematic Mapping Study on Remote Sensing in Agriculture. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3456.	1.3	25
16	A Machine Learning Method to Estimate Reference Evapotranspiration Using Soil Moisture Sensors. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1912.	1.3	16
17	A mapping study of ensemble classification methods in lung cancer decision support systems. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 2177-2193.	1.6	12
18	Estimation of the Constituent Properties of Red Delicious Apples Using a Hybrid of Artificial Neural Networks and Artificial Bee Colony Algorithm. <i>Agronomy</i> , 2020, 10, 267.	1.3	8

#	ARTICLE	IF	CITATIONS
19	Estudio y análisis de la accesibilidad para personas con discapacidad física en el acceso a comercios y locales de la ciudad de Murcia. <i>Informes De La Construcción</i> , 2020, 72, e369.	0.1	0
20	Design and Development of a Mobile App for Accessible Beach Tourism Information for People with Disabilities. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2131.	1.2	24
21	Comparison of Different Classifiers and the Majority Voting Rule for the Detection of Plum Fruits in Garden Conditions. <i>Remote Sensing</i> , 2019, 11, 2546.	1.8	21
22	Homogeneous and heterogeneous ensemble classification methods in diabetes disease: a review. , 2019, 2019, 3956-3959.		5
23	Improving Accessibility for People with Disabilities: A Case Study on Inclusive Beach Tourism*. , 2019, 2019, 1302-1305.		0
24	Automatic Classification of Chickpea Varieties Using Computer Vision Techniques. <i>Agronomy</i> , 2019, 9, 672.	1.3	20
25	Sustainable Accessibility: A Mobile App for Helping People with Disabilities to Search Accessible Shops. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 620.	1.2	15
26	Remote Image Capture System to Improve Aerial Supervision for Precision Irrigation in Agriculture. <i>Water (Switzerland)</i> , 2019, 11, 255.	1.2	12
27	An Automatic Non-Destructive Method for the Classification of the Ripeness Stage of Red Delicious Apples in Orchards Using Aerial Video. <i>Agronomy</i> , 2019, 9, 84.	1.3	27
28	A fast and accurate expert system for weed identification in potato crops using metaheuristic algorithms. <i>Computers in Industry</i> , 2018, 98, 80-89.	5.7	79
29	A new approach for visual identification of orange varieties using neural networks and metaheuristic algorithms. <i>Information Processing in Agriculture</i> , 2018, 5, 162-172.	2.9	28
30	Segmentation of Apples in Aerial Images under Sixteen Different Lighting Conditions Using Color and Texture for Optimal Irrigation. <i>Water (Switzerland)</i> , 2018, 10, 1634.	1.2	16
31	The Effect of Green Software: A Study of Impact Factors on the Correctness of Software. <i>Sustainability</i> , 2018, 10, 3471.	1.6	10
32	A new model for water balance estimation on lettuce crops using effective diameter obtained with image analysis. <i>Agricultural Water Management</i> , 2017, 183, 116-122.	2.4	11
33	Development of a visual monitoring system for water balance estimation of horticultural crops using low cost cameras. <i>Computers and Electronics in Agriculture</i> , 2017, 141, 15-26.	3.7	23
34	A new portable application for automatic segmentation of plants in agriculture. <i>Agricultural Water Management</i> , 2017, 183, 146-157.	2.4	26
35	Web application for analysis of digital photography in the estimation of irrigation requirements for lettuce crops. <i>Agricultural Water Management</i> , 2017, 183, 136-145.	2.4	5
36	A Computer-Aided Detection System for Digital Chest Radiographs. <i>Journal of Healthcare Engineering</i> , 2016, 2016, 1-9.	1.1	12

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37	Calcification detection of abdominal aorta in CT images and 3D visualization in VR devices. , 2016, 2016, 4157-4160.		2
38	Optimal color space selection method for plant/soil segmentation in agriculture. Computers and Electronics in Agriculture, 2016, 122, 124-132.	3.7	90
39	Technical solutions for mitigating security threats caused by health professionals in clinical settings. , 2015, 2015, 1389-92.		3
40	Follow-me: A new start-and-stop method for visual animal tracking in biology research. , 2015, 2015, 755-8.		5
41	Digital photography applied to irrigation management of Little Gem lettuce. Agricultural Water Management, 2015, 151, 148-157.	2.4	19
42	Study and comparison of color models for automatic image analysis in irrigation management applications. Agricultural Water Management, 2015, 151, 158-166.	2.4	76
43	Methodology for obtaining prediction models of the root depth of lettuce for its application in irrigation automation. Agricultural Water Management, 2015, 151, 167-173.	2.4	15
44	Metamorphosis Induces a Light-Dependent Switch in Senegalese Sole ( <i>Solea senegalensis</i> ) from Diurnal to Nocturnal Behavior. Journal of Biological Rhythms, 2012, 27, 135-144.	1.4	34
45	Behavioral responses of European sea bass ( <i>Dicentrarchus labrax</i> ) larvae and <i>Artemia</i> sp. exposed to constant light or darkness vs. light/dark cycles of white, red or blue wavelengths. Aquaculture, 2011, 317, 197-202.	1.7	24
46	MS-222 toxicity in juvenile seabream correlates with diurnal activity, as measured by a novel video-tracking method. Aquaculture, 2010, 307, 29-34.	1.7	29
47	DETECTION OF NORMALITY/PATHOLOGY ON CHEST RADIOGRAPHS USING LBP. , 2010, , .		1
48	A course on algorithms and data structures using on-line judging. , 2009, , .		14
49	A course on algorithms and data structures using on-line judging. SIGCSE Bulletin, 2009, 41, 45-49.	0.1	15
50	An Experience on Ada Programming Using On-Line Judging. Lecture Notes in Computer Science, 2009, , 75-89.	1.0	4
51	Estimating 3D facial pose in video with just three points. , 2008, , .		4
52	A Design Pattern for Component Oriented Development of Agent Based Multithreaded Applications. Lecture Notes in Computer Science, 2008, , 709-718.	1.0	0
53	A fast and stable facial interface using integral projections. Pattern Recognition and Image Analysis, 2007, 17, 462-469.	0.6	0
54	Human Face Processing with 1.5D Models. , 2007, , 220-234.		3

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55	Tierra Inhospita. , 2005, , .		1
56	Time and Date OCR in CCTV Video. Lecture Notes in Computer Science, 2005, , 703-710.	1.0	3
57	Refining Face Tracking with Integral Projections. Lecture Notes in Computer Science, 2003, , 360-368.	1.0	12
58	Extending the ODMG standard with views. Information and Software Technology, 2002, 44, 161-173.	3.0	5
59	A New Model and Process Architecture for Facial Expression Recognition. Lecture Notes in Computer Science, 2000, , 716-726.	1.0	0
60	A note on principal point estimability. , 0, , .		11