

# 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

471509

17  
h-index

526287

27  
g-index

62  
all docs

62  
docs citations

62  
times ranked

891  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal color space selection method for plant/soil segmentation in agriculture. Computers and Electronics in Agriculture, 2016, 122, 124-132.	7.7	90
2	A fast and accurate expert system for weed identification in potato crops using metaheuristic algorithms. Computers in Industry, 2018, 98, 80-89.	9.9	79
3	Study and comparison of color models for automatic image analysis in irrigation management applications. Agricultural Water Management, 2015, 151, 158-166.	5.6	76
4	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.	2.6	34
5	MS-222 toxicity in juvenile seabream correlates with diurnal activity, as measured by a novel video-tracking method. Aquaculture, 2010, 307, 29-34.	3.5	29
6	A new approach for visual identification of orange varieties using neural networks and metaheuristic algorithms. Information Processing in Agriculture, 2018, 5, 162-172.	4.1	28
7	An Automatic Non-Destructive Method for the Classification of the Ripeness Stage of Red Delicious Apples in Orchards Using Aerial Video. Agronomy, 2019, 9, 84.	3.0	27
8	A new portable application for automatic segmentation of plants in agriculture. Agricultural Water Management, 2017, 183, 146-157.	5.6	26
9	Systematic Mapping Study on Remote Sensing in Agriculture. Applied Sciences (Switzerland), 2020, 10, 3456.	2.5	25
10	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.	3.5	24
11	Design and Development of a Mobile App for Accessible Beach Tourism Information for People with Disabilities. International Journal of Environmental Research and Public Health, 2019, 16, 2131.	2.6	24
12	Development of a visual monitoring system for water balance estimation of horticultural crops using low cost cameras. Computers and Electronics in Agriculture, 2017, 141, 15-26.	7.7	23
13	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. Chemometrics and Intelligent Laboratory Systems, 2021, 217, 104404.	3.5	22
14	Comparison of Different Classifiers and the Majority Voting Rule for the Detection of Plum Fruits in Garden Conditions. Remote Sensing, 2019, 11, 2546.	4.0	21
15	Automatic Classification of Chickpea Varieties Using Computer Vision Techniques. Agronomy, 2019, 9, 672.	3.0	20
16	Digital photography applied to irrigation management of Little Gem lettuce. Agricultural Water Management, 2015, 151, 148-157.	5.6	19
17	Estimation of different ripening stages of Fuji apples using image processing and spectroscopy based on the majority voting method. Computers and Electronics in Agriculture, 2020, 176, 105643.	7.7	17
18	Early Detection of Excess Nitrogen Consumption in Cucumber Plants Using Hyperspectral Imaging Based on Hybrid Neural Networks and the Imperialist Competitive Algorithm. Agronomy, 2021, 11, 575.	3.0	17

#	ARTICLE	IF	CITATIONS
19	Segmentation of Apples in Aerial Images under Sixteen Different Lighting Conditions Using Color and Texture for Optimal Irrigation. Water (Switzerland), 2018, 10, 1634.	2.7	16
20	A Machine Learning Method to Estimate Reference Evapotranspiration Using Soil Moisture Sensors. Applied Sciences (Switzerland), 2020, 10, 1912.	2.5	16
21	A course on algorithms and data structures using on-line judging. SIGCSE Bulletin, 2009, 41, 45-49.	0.1	15
22	Methodology for obtaining prediction models of the root depth of lettuce for its application in irrigation automation. Agricultural Water Management, 2015, 151, 167-173.	5.6	15
23	Sustainable Accessibility: A Mobile App for Helping People with Disabilities to Search Accessible Shops. International Journal of Environmental Research and Public Health, 2019, 16, 620.	2.6	15
24	Convolutional Neural Networks for Estimating the Ripening State of Fuji Apples Using Visible and Near-Infrared Spectroscopy. Food and Bioprocess Technology, 2022, 15, 2226-2236.	4.7	15
25	A course on algorithms and data structures using on-line judging. , 2009, , .		14
26	A Computer-Aided Detection System for Digital Chest Radiographs. Journal of Healthcare Engineering, 2016, 2016, 1-9.	1.9	12
27	Remote Image Capture System to Improve Aerial Supervision for Precision Irrigation in Agriculture. Water (Switzerland), 2019, 11, 255.	2.7	12
28	A mapping study of ensemble classification methods in lung cancer decision support systems. Medical and Biological Engineering and Computing, 2020, 58, 2177-2193.	2.8	12
29	Refining Face Tracking with Integral Projections. Lecture Notes in Computer Science, 2003, , 360-368.	1.3	12
30	Using metaheuristic algorithms to improve the estimation of acidity in Fuji apples using NIR spectroscopy. Ain Shams Engineering Journal, 2022, 13, 101776.	6.1	12
31	A note on principal point estimability. , 0, , .		11
32	A new model for water balance estimation on lettuce crops using effective diameter obtained with image analysis. Agricultural Water Management, 2017, 183, 116-122.	5.6	11
33	A systematic mapping study for ensemble classification methods in cardiovascular disease. Artificial Intelligence Review, 2021, 54, 2827-2861.	15.7	11
34	FARMIT: continuous assessment of crop quality using machine learning and deep learning techniques for IoT-based smart farming. Cluster Computing, 2022, 25, 2163-2178.	5.0	11
35	The Effect of Green Software: A Study of Impact Factors on the Correctness of Software. Sustainability, 2018, 10, 3471.	3.2	10
36	One-Dimensional Convolutional Neural Networks for Hyperspectral Analysis of Nitrogen in Plant Leaves. Applied Sciences (Switzerland), 2021, 11, 11853.	2.5	10

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37	Text Normalization Using Encoderâ€“Decoder Networks Based on the Causal Feature Extractor. Applied Sciences (Switzerland), 2020, 10, 4551.	2.5	9
38	Nondestructive nitrogen content estimation in tomato plant leaves by Vis-NIR hyperspectral imaging and regression data models. Applied Optics, 2021, 60, 9560.	1.8	9
39	Estimation of the Constituent Properties of Red Delicious Apples Using a Hybrid of Artificial Neural Networks and Artificial Bee Colony Algorithm. Agronomy, 2020, 10, 267.	3.0	8
40	Extending the ODMG standard with views. Information and Software Technology, 2002, 44, 161-173.	4.4	5
41	Follow-me: A new start-and-stop method for visual animal tracking in biology research. , 2015, 2015, 755-8.		5
42	Web application for analysis of digital photography in the estimation of irrigation requirements for lettuce crops. Agricultural Water Management, 2017, 183, 136-145.	5.6	5
43	Homogeneous and heterogeneous ensemble classification methods in diabetes disease: a review. , 2019, 2019, 3956-3959.		5
44	Estimating 3D facial pose in video with just three points. , 2008, , .		4
45	Identification of Internal Defects in Potato Using Spectroscopy and Computational Intelligence Based on Majority Voting Techniques. Foods, 2021, 10, 982.	4.3	4
46	An Experience on Ada Programming Using On-Line Judging. Lecture Notes in Computer Science, 2009, , 75-89.	1.3	4
47	Metaheuristic algorithms in visible and near infrared spectra to detect excess nitrogen content in tomato plants. Journal of Near Infrared Spectroscopy, 2022, 30, 197-207.	1.5	4
48	Time and Date OCR in CCTV Video. Lecture Notes in Computer Science, 2005, , 703-710.	1.3	3
49	Technical solutions for mitigating security threats caused by health professionals in clinical settings. , 2015, 2015, 1389-92.		3
50	Preliminary Results on Different Text Processing Tasks Using Encoder-Decoder Networks and the Causal Feature Extractor. Applied Sciences (Switzerland), 2020, 10, 5772.	2.5	3
51	Human Face Processing with 1.5D Models. , 2007, , 220-234.		3
52	Calcification detection of abdominal aorta in CT images and 3D visualization in VR devices. , 2016, 2016, 4157-4160.		2
53	Tierra Inhospita. , 2005, , .		1
54	DETECTION OF NORMALITY/PATHOLOGY ON CHEST RADIOGRAPHS USING LBP. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
55	A fast and stable facial interface using integral projections. Pattern Recognition and Image Analysis, 2007, 17, 462-469.	1.0	0
56	Improving Accessibility for People with Disabilities: A Case Study on Inclusive Beach Tourism*. , 2019, 2019, 1302-1305.		0
57	Recent Advances in Applications of Remote Image Capture Systems in Agriculture. Applied Sciences (Switzerland), 2020, 10, 7527.	2.5	0
58	A New Model and Process Architecture for Facial Expression Recognition. Lecture Notes in Computer Science, 2000, , 716-726.	1.3	0
59	A Design Pattern for Component Oriented Development of Agent Based Multithreaded Applications. Lecture Notes in Computer Science, 2008, , 709-718.	1.3	0
60	Estudio y análisis de la accesibilidad para personas con discapacidad física en el acceso a comercios y locales de la ciudad de Murcia. Informes De La Construcción, 2020, 72, e369.	0.3	0