

# Felix F Gonzalez-Navarro

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

559  
citations

840119

11  
h-index

642321

23  
g-index

54  
all docs

54  
docs citations

54  
times ranked

582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking the Evolution of the Internet of Things Concept Across Different Application Domains. Sensors, 2017, 17, 1379.	2.1	108
2	Surface recognition improvement in 3D medical laser scanner using Levenberg-Marquardt method. Signal Processing, 2013, 93, 378-386.	2.1	67
3	Combined application of Power Spectrum Centroid and Support Vector Machines for measurement improvement in Optical Scanning Systems. Signal Processing, 2014, 98, 37-51.	2.1	58
4	Feature and model selection with discriminatory visualization for diagnostic classification of brain tumors. Neurocomputing, 2010, 73, 622-632.	3.5	38
5	Glucose Oxidase Biosensor Modeling and Predictors Optimization by Machine Learning Methods. Sensors, 2016, 16, 1483.	2.1	31
6	Experimental image and range scanner datasets fusion in SHM for displacement detection. Structural Control and Health Monitoring, 2017, 24, e1967.	1.9	31
7	Explicit and tacit knowledge conversion effects, in software engineering undergraduate students. Knowledge Management Research and Practice, 2017, 15, 336-345.	2.7	26
8	Multivariate outlier mining and regression feedback for 3D measurement improvement in opto-mechanical system. Optical and Quantum Electronics, 2016, 48, 1.	1.5	25
9	Outlier exploration and diagnostic classification of a multi-centre 1H-MRS brain tumour database. Neurocomputing, 2009, 72, 3085-3097.	3.5	24
10	Bayesian Classification Models for Premature Ventricular Contraction Detection on ECG Traces. Journal of Healthcare Engineering, 2018, 2018, 1-7.	1.1	21
11	Gene subset selection in microarray data using entropic filtering for cancer classification. Expert Systems, 2009, 26, 113-124.	2.9	17
12	A Lifelogging Platform Towards Detecting Negative Emotions in Everyday Life using Wearable Devices. , 2018, , .		12
13	Effective Classification and Gene Expression Profiling for the Facioscapulohumeral Muscular Dystrophy. PLoS ONE, 2013, 8, e82071.	1.1	10
14	DETECCI3N DE LA ISLA URBANA DE CALOR MEDIANTE MODELADO DIN3MICO EN MEXICALI, B.C., M3XICO. Informacion Tecnologica (discontinued), 2014, 25, 139-150.	0.1	10
15	OCR for Unreadable Damaged Characters on PCBs Using Principal Component Analysis and Bayesian Discriminant Functions. , 2015, , .		7
16	A Lean Convolutional Neural Network for Vehicle Classification. , 2020, , .		7
17	Machine vision supported by artificial intelligence. , 2014, , .		6
18	Optoelectronic instrumentation enhancement using data mining feedback for a 3D measurement system. Optical Review, 2016, 23, 891-896.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Optoelectronic scanning system upgrade by energy center localization methods. Optoelectronics, Instrumentation and Data Processing, 2016, 52, 592-600.	0.2	5
20	PVA-AWP/tyrosinase functionalized screen-printed electrodes for dopamine determination. Analytical Methods, 2016, 8, 5197-5203.	1.3	5
21	A knowledge management approach to promote an energy culture in higher education. Knowledge Management Research and Practice, 2020, 18, 424-438.	2.7	5
22	Domain Adaptation for Human Fall Detection Using WiFi Channel State Information. Studies in Computational Intelligence, 2020, , 177-181.	0.7	4
23	Using Machine Learning Techniques to Explore 1H-MRS Data of Brain Tumors. , 2009, , .		3
24	Methodology for Automatic Collection of Vehicle Traffic Data by Object Tracking. Lecture Notes in Computer Science, 2017, , 482-493.	1.0	3
25	Microarray Gene Subset Selection in Amyotrophic Lateral Sclerosis Classification. , 2011, , .		2
26	Parsimonious Selection of Useful Genes in Microarray Gene Expression Data. Advances in Experimental Medicine and Biology, 2011, 696, 45-55.	0.8	2
27	Gene discovery for facioscapulohumeral muscular dystrophy by machine learning techniques. Genes and Genetic Systems, 2015, 90, 343-356.	0.2	2
28	Modelado de las Temperaturas del Aire a 850 milibares: un Potencial Indicador de las Ondas Cálidas en el Noroeste de México. Informacion Tecnologica (discontinued), 2016, 27, 141-152.	0.1	2
29	Sensors for structural health monitoring. , 2020, , 227-248.		2
30	BReML: A Breathing Rate Estimator Using Wi-Fi Channel State Information and Machine Learning. , 2021, , .		2
31	Análisis de Flujos de Conocimiento en Proyectos de Mejora de Procesos Software bajo una perspectiva multi-enfoque. RISTI - Revista Iberica De Sistemas E Tecnologías De Informacao, 2014, , .	0.1	2
32	Glucose Oxidase Biosensor Modeling by Machine Learning Methods. Lecture Notes in Computer Science, 2014, , 464-473.	1.0	1
33	Outlier mining of a vision sensing database for SVM regression improvement. , 2015, , .		1
34	Machine vision system to measuring the velocity field in a fluid by Particle Image Velocimetry: Special Case of Magnetohydrodynamics. , 2017, , .		1
35	Data mining to predict the average outer diameter of vertically aligned TiO2 nanotubes. Computational Materials Science, 2019, 162, 82-87.	1.4	1
36	Machine learning for predicting the average length of vertically aligned TiO2 nanotubes. AIP Advances, 2020, 10, 075116.	0.6	1

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37	Classification of Vehicle Images through Deep Neural Networks for Camera View Position Selection. , 2020, , .		1
38	Analyzing the Amperometric Response of a Glucose Oxidase Sensor Applying Mathematical Models. Current Analytical Chemistry, 2016, 12, 634-641.	0.6	1
39	Modeling a second-generation glucose oxidase biosensor with statistical machine learning methods. , 2014, , 163-183.		1
40	Modelling the influence of pH and Temperature on the response of an acetylcholinesterase biosensor using Machine Learning Methods. , 2014, , 185-202.		1
41	Review of Image Analysis for the Characterization of Vertically Aligned Nanotubes. Computacion Y Sistemas, 2020, 24, .	0.2	1
42	Non-deterministic Local Search Methods for Feature Selection: An Experimental Study. , 2014, , .		0
43	Poster Paper: Image Analysis for Automatic Characterization of Nanomaterials. , 2015, , .		0
44	Field Phenomics: A Web Based Image Analysis Platform Using Open Source Tools. , 2015, , .		0
45	Virtual angle measurement through an FPGA data processing. , 2017, , .		0
46	Design of Experiments Applied to a Software Engineering Project Based on Knowledge Processes. , 2018, , .		0
47	An MHD Stirrer 2D Velocity Profile Measurement Validation Through a Machine Vision System. , 2019, , .		0
48	Graphical Framework for Categorizing Data Capabilities and Properties of Objects in the Internet of Things. IEEE Access, 2020, 8, 22366-22377.	2.6	0
49	Optoelectronic Devices Fusion in Machine Vision Applications. Advances in Computational Intelligence and Robotics Book Series, 2021, , 1-36.	0.4	0
50	Feature Selection in Spectroscopy Brain Cancer Data. Lecture Notes in Computer Science, 2015, , 282-296.	1.0	0
51	Inner diameter measurement of aligned $\text{TiO}_2$ nanotubes by computational image analysis. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	0