Xavier Paolo Burgos-Artizzu

List of Publications by Year
in descending order

31 papers	2,075 citations	567281 15 h-index	552781 26 g-index
37 all docs	37 docs citations	37 times ranked	2170 citing authors

#	Article	IF	Citations
1	Low levels of CIITA and high levels of SOCS1 predict COVID-19 disease severity in children and adults. IScience, 2022, 25, 103595.	4.1	2
2	Concordance of the risk of neonatal respiratory morbidity assessed by quantitative ultrasound lung texture analysis in fetuses of twin pregnancies. Scientific Reports, 2022, 12, .	3.3	2
3	Quantitative ultrasound image analysis of axillary lymph nodes to differentiate malignancy from reactive benign changes due to COVID-19 vaccination. European Journal of Radiology, 2022, 154, 110438.	2.6	4
4	Mid-trimester prediction of spontaneous preterm birth with automated cervical quantitative ultrasound texture analysis and cervical length: a prospective study. Scientific Reports, 2021, 11, 7469.	3.3	5
5	Analysis of maturation features in fetal brain ultrasound via artificial intelligence for the estimation of gestational age. American Journal of Obstetrics & Gynecology MFM, 2021, 3, 100462.	2.6	18
6	Generative Adversarial Networks to Improve Fetal Brain Fine-Grained Plane Classification. Sensors, 2021, 21, 7975.	3.8	14
7	The Predictive Value of the Cervical Consistency Index to Predict Spontaneous Preterm Birth in Asymptomatic Twin Pregnancies at the Second-Trimester Ultrasound Scan: A Prospective Cohort Study. Journal of Clinical Medicine, 2020, 9, 1784.	2.4	5
8	Intra- and interobserver reproducibility of second trimester ultrasound cervical length measurement in a general population. Journal of Maternal-Fetal and Neonatal Medicine, 2020, , 1-4.	1.5	1
9	Evaluation of deep convolutional neural networks for automatic classification of common maternal fetal ultrasound planes. Scientific Reports, 2020, 10, 10200.	3.3	79
10	Quantitative Ultrasound Image Analysis of Axillary Lymph Nodes to Diagnose Metastatic Involvement in Breast Cancer. Ultrasound in Medicine and Biology, 2019, 45, 2932-2941.	1.5	22
11	Three-Dimensional Pose Estimation for Laboratory Mouse From Monocular Images. IEEE Transactions on Image Processing, 2019, 28, 4273-4287.	9.8	11
12	Evaluation of an improved tool for non-invasive prediction of neonatal respiratory morbidity based on fully automated fetal lung ultrasound analysis. Scientific Reports, 2019, 9, 1950.	3.3	32
13	Pose and Expression-Coherent Face Recovery in the Wild. , 2015, , .		3
14	Real-time expression-sensitive HMD face reconstruction. , 2015, , .		17
15	Automated measurement of mouse social behaviors using depth sensing, video tracking, and machine learning. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5351-60.	7.1	248
16	Distance Estimation of an Unknown Person from a Portrait. Lecture Notes in Computer Science, 2014, , 313-327.	1.3	15
17	Detecting Social Actions of Fruit Flies. Lecture Notes in Computer Science, 2014, , 772-787.	1.3	71
18	Robust Face Landmark Estimation under Occlusion. , 2013, , .		511

#	Article	IF	Citations
19	Automatic segmentation of relevant textures in agricultural images. Computers and Electronics in Agriculture, 2011, 75, 75-83.	7.7	257
20	Real-time image processing for crop/weed discrimination in maize fields. Computers and Electronics in Agriculture, 2011, 75, 337-346.	7.7	222
21	A computer vision approach for weeds identification through Support Vector Machines. Applied Soft Computing Journal, 2011, 11, 908-915.	7.2	112
22	Development and Evaluation of a Prototype Precision Spot Spray System Using Image Analysis to Target Guinea Grass in Sugarcane. Australian Journal of Multi-Disciplinary Engineering, 2011, 8, 97-106.	0.8	4
23	An Image Segmentation Based on a Genetic Algorithm for Determining Soil Coverage by Crop Residues. Sensors, 2011, 11, 6480-6492.	3.8	16
24	Mapping Wide Row Crops with Video Sequences Acquired from a Tractor Moving at Treatment Speed. Sensors, 2011, 11, 7095-7109.	3.8	35
25	On combining vision-based hybrid classifiers for weeds detection in precision agriculture. International Journal of Reasoning-based Intelligent Systems, 2010, 2, 100.	0.1	0
26	Analysis of natural images processing for the extraction of agricultural elements. Image and Vision Computing, 2010, 28, 138-149.	4.5	59
27	Improving weed pressure assessment using digital images from an experience-based reasoning approach. Computers and Electronics in Agriculture, 2009, 65, 176-185.	7.7	59
28	A vision-based method for weeds identification through the Bayesian decision theory. Pattern Recognition, 2008, 41, 521-530.	8.1	121
29	A new vision-based approach to differential spraying in precision agriculture. Computers and Electronics in Agriculture, 2008, 60, 144-155.	7.7	106
30	Optimisation of natural images processing using different evolutionary algorithms. , 2008, , .		3
31	Real-time Image Processing for the Guidance of a Small Agricultural Field Inspection Vehicle. , 2008, , .		5