Pablo Granitto

List of Publications by Year
in descending order

35 papers	1,717 citations	394421 19 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	1723 citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning for plant identification using vein morphological patterns. Computers and Electronics in Agriculture, 2016, 127, 418-424.	7.7	437
2	On data analysis in PTR-TOF-MS: From raw spectra to data mining. Sensors and Actuators B: Chemical, 2011, 155, 183-190.	7.8	146
3	Automatic classification of legumes using leaf vein image features. Pattern Recognition, 2014, 47, 158-168.	8.1	136
4	Seed-per-pod estimation for plant breeding using deep learning. Computers and Electronics in Agriculture, 2018, 150, 196-204.	7.7	101
5	Large-scale investigation of weed seed identification by machine vision. Computers and Electronics in Agriculture, 2005, 47, 15-24.	7.7	98
6	Weed seeds identification by machine vision. Computers and Electronics in Agriculture, 2002, 33, 91-103.	7.7	94
7	Rapid and non-destructive identification of strawberry cultivars by direct PTR-MS headspace analysis and data mining techniques. Sensors and Actuators B: Chemical, 2007, 121, 379-385.	7.8	61
8	PTRâ€TOFâ€MS and dataâ€mining methods for rapid characterisation of agroâ€industrial samples: influence of milk storage conditions on the volatile compounds profile of Trentingrana cheese. Journal of Mass Spectrometry, 2010, 45, 1065-1074.	1.6	60
9	PTR-ToF-MS and data mining methods: a new tool for fruit metabolomics. Metabolomics, 2012, 8, 761-770.	3.0	58
10	Rapid characterization of dry cured ham produced following different PDOs by proton transfer reaction time of flight mass spectrometry (PTR-ToF-MS). Talanta, 2011, 85, 386-393.	5.5	51
11	Modern data mining tools in descriptive sensory analysis: A case study with a Random forest approach. Food Quality and Preference, 2007, 18, 681-689.	4.6	48
12	Multiscale recognition of legume varieties based on leaf venation images. Expert Systems With Applications, 2014, 41, 4638-4647.	7.6	45
13	Rapid and direct volatile compound profiling of black and green teas (Camellia sinensis) from different countries with PTR-ToF-MS. Talanta, 2016, 152, 45-53.	5.5	44
14	Prediction of minimum temperatures in an alpine region by linear and non-linear post-processing of meteorological models. Nonlinear Processes in Geophysics, 2007, 14, 211-222.	1.3	40
15	Tracing coffee origin by direct injection headspace analysis with PTR/SRI-MS. Food Research International, 2015, 69, 235-243.	6.2	36
16	Effect of the pig rearing system on the final volatile profile of Iberian dry-cured ham as detected by PTR-ToF-MS. Meat Science, 2013, 93, 420-428.	5.5	35
17	Nonstationary Time-Series Analysis: Accurate Reconstruction of Driving Forces. Physical Review Letters, 2001, 87, 124101.	7.8	34
18	Linking GC-MS and PTR-TOF-MS fingerprints of food samples. Chemometrics and Intelligent Laboratory Systems, 2012, 118, 301-307.	3.5	30

#	Article	IF	Citations
19	Finding local leaf vein patterns for legume characterization and classification. Machine Vision and Applications, 2016, 27, 709-720.	2.7	19
20	From FATS to feets: Further improvements to an astronomical feature extraction tool based on machine learning. Astronomy and Computing, 2018, 25, 213-220.	1.7	18
21	Abrupt change detection with One-Class Time-Adaptive Support Vector Machines. Expert Systems With Applications, 2013, 40, 7242-7249.	7.6	17
22	Title is missing!. Solar Physics, 2000, 191, 419-425.	2.5	15
23	Overembedding Method for Modeling Nonstationary Systems. Physical Review Letters, 2006, 96, 118701.	7.8	11
24	Artificial Neural Network Learning of Nonstationary Behavior in Time Series. International Journal of Neural Systems, 2003, 13, 103-109.	5.2	10
25	Nonstationary regression with support vector machines. Neural Computing and Applications, 2015, 26, 641-649.	5.6	10
26	Discriminant models based on sensory evaluations: Single assessors versus panel average. Food Quality and Preference, 2008, 19, 589-595.	4.6	9
27	Multiclass methods in the analysis of metabolomic datasets: The example of raspberry cultivar volatile compounds detected by GC–MS and PTR-MS. Food Research International, 2013, 54, 1313-1320.	6.2	9
28	Modelling nonstationary dynamics. Physica A: Statistical Mechanics and Its Applications, 2003, 327, 190-194.	2.6	8
29	Secular Behavior of Solar Magnetic Activity: Nonstationary Time-Series Analysis of the Sunspot Record. Solar Physics, 2004, 221, 167-177.	2.5	7
30	Clustering using PK-D: A connectivity and density dissimilarity. Expert Systems With Applications, 2016, 51, 151-160.	7.6	7
31	Improved multiclass feature selection via list combination. Expert Systems With Applications, 2017, 88, 205-216.	7.6	7
32	A LATE-STOPPING METHOD FOR OPTIMAL AGGREGATION OF NEURAL NETWORKS. International Journal of Neural Systems, 2001, 11, 305-310.	5.2	6
33	Corral framework: Trustworthy and fully functional data intensive parallel astronomical pipelines. Astronomy and Computing, 2017, 20, 140-154.	1.7	5
34	Automatic catalog of RR Lyrae from ∼14 million VVV light curves: How far can we go with traditional machine-learning?. Astronomy and Astrophysics, 2020, 642, A58.	5.1	4
35	Drifting features: Detection and evaluation in the context of automatic RR Lyrae identification in the VVV. Astronomy and Astrophysics, 2021, 652, A151.	5.1	1