Irene Epifanio

List of Publications by Citations

49 papers	541 citations	15 h-index	21 g-index
55 ext. papers	610 ext. citations	3.1 avg, IF	4.55 L-index

#	Paper	IF	Citations
49	Nonlinear image representation for efficient perceptual coding. *IEEE Transactions on Image Processing*, **2006**, 15, 68-80	8.7	61
48	Morphological Texture Features for Unsupervised and Supervised Segmentations of Natural Landscapes. *IEEE Transactions on Geoscience and Remote Sensing*, **2007**, 45, 1074-1083	8.1	35
47	Shape Descriptors for Classification of Functional Data. *Technometrics*, **2008**, 50, 284-294	1.4	28
46	Archetypoids: A new approach to define representative archetypal data. *Computational Statistics and Data Analysis*, **2015**, 87, 102-115	1.6	27
45	Perceptual feedback in multigrid motion estimation using an improved DCT quantization. *IEEE Transactions on Image Processing*, **2001**, 10, 1411-27	8.7	26
44	Archetypoid analysis for sports analytics. *Data Mining and Knowledge Discovery*, **2017**, 31, 1643-1677	5.6	22
43	Use of microperimetry to evaluate hydroxychloroquine and chloroquine retinal toxicity. *Canadian Journal of Ophthalmology*, **2013**, 48, 400-5	1.4	22
42	Analysis of multiple waveforms by means of functional principal component analysis: normal versus pathological patterns in sit-to-stand movement. *Medical and Biological Engineering and Computing*, **2008**, 46, 551-61	3.1	22
41	An ensemble of ordered logistic regression and random forest for child garment size matching. *Computers and Industrial Engineering*, **2016**, 101, 455-465	6.4	22
40	Linear transform for simultaneous diagonalization of covariance and perceptual metric matrix in image coding. *Pattern Recognition*, **2003**, 36, 1799-1811	7.7	21
39	A random set view of texture classification. *IEEE Transactions on Image Processing*, **2002**, 11, 859-67	8.7	20
38	Archetypal analysis: Contributions for estimating boundary cases in multivariate accommodation problem. *Computers and Industrial Engineering*, **2013**, 64, 757-765	6.4	19
37	Intervention in prediction measure: a new approach to assessing variable importance for random forests. *BMC Bioinformatics*, **2017**, 18, 230	3.6	17
36	Functional data analysis in shape analysis. *Computational Statistics and Data Analysis*, **2011**, 55, 2758-2773	1.6	15
35	Functional archetype and archetypoid analysis. *Computational Statistics and Data Analysis*, **2016**, 104, 24-34	1.6	15
34	Apparel sizing using trimmed PAM and OWA operators. *Expert Systems With Applications*, **2012**, 39, 10512-10520	2.8	14
33	Clustering of spatial point patterns. *Computational Statistics and Data Analysis*, **2006**, 50, 1016-1032	1.6	11

32	Non-linear Invertible Representation for Joint Statistical and Perceptual Feature Decorrelation. *Lecture Notes in Computer Science*, **2000**, 658-667	0.9	11
31	Archetypal shapes based on landmarks and extension to handle missing data. *Advances in Data Analysis and Classification*, **2018**, 12, 705-735	1.8	10
30	Hippocampal shape analysis in Alzheimer's disease using functional data analysis. *Statistics in Medicine*, **2014**, 33, 867-80	2.3	10
29	A simple model to analyze the effectiveness of linear time normalization to reduce variability in human movement analysis. *Gait and Posture*, **2007**, 25, 153-6	2.6	10
28	Detection of Anomalies in Water Networks by Functional Data Analysis. *Mathematical Problems in Engineering*, **2018**, 2018, 1-13	1.1	10
27	A data-driven classification of 3D foot types by archetypal shapes based on landmarks. *PLoS ONE*, **2020**, 15, e0228016	3.7	8
26	Robust multivariate and functional archetypal analysis with application to financial time series analysis. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 519, 195-208	3.3	8
25	h-plots for displaying nonmetric dissimilarity matrices. *Statistical Analysis and Data Mining*, **2013**, 6, 136-143	1.4	7
24	Forecasting basketball players' performance using sparse functional data*. *Statistical Analysis and Data Mining*, **2019**, 12, 534-547	1.4	6
23	Archetypal Analysis With Missing Data: See All Samples by Looking at a Few Based on Extreme Profiles. *American Statistician*, **2020**, 74, 169-183	5	6
22	An active contour model for the automatic detection of the fovea in fluorescein angiographies		5
21	ARCHETYPAL ANALYSIS: AN ALTERNATIVE TO CLUSTERING FOR UNSUPERVISED TEXTURE SEGMENTATION. *Image Analysis and Stereology*, **2019**, 38, 151	1	5
20	Detecting and visualizing differences in brain structures with SPHARM and functional data analysis. *NeuroImage*, **2020**, 222, 117209	7.9	5
19	Archetype analysis: A new subspace outlier detection approach. *Knowledge-Based Systems*, **2021**, 217, 106830	7.3	5
18	Robust archetypoids for anomaly detection in big functional data. *Advances in Data Analysis and Classification*, **2021**, 15, 437-462	1.8	5
17	Child t-shirt size data set from 3D body scanner anthropometric measurements and a questionnaire. *Data in Brief*, **2017**, 11, 311-315	1.2	3
16	Importance of quantiser design compared to optimal multigrid motion estimation in video coding. *Electronics Letters*, **2000**, 36, 807	1.1	3
15	Perceptually weighted optical flow for motion-based segmentation in MPEG-4 paradigm. *Electronics Letters*, **2000**, 36, 1693	1.1	3

14	Bivariate Functional Archetypoid Analysis: An Application to Financial Time Series **2018**, 473-476		3
13	A Data Science Analysis of Academic Staff Workload Profiles in Spanish Universities: Gender Gap Laid Bare. *Education Sciences*, **2021**, 11, 317	2.2	3
12	Generalized partially linear models on Riemannian manifolds. *Journal of the Royal Statistical Society Series C: Applied Statistics*, **2020**, 69, 641-661	1.5	2
11	Mapping the asymmetrical citation relationships between journals by h-plots. *Journal of the Association for Information Science and Technology*, **2014**, 65, 1293-1298	2.7	2
10	Combining Classification and User-Based Collaborative Filtering for Matching Footwear Size. *Mathematics*, **2021**, 9, 771	2.3	2
9	A neuroimaging data set on problem solving in the case of the reversal error: Putamen data. *Data in Brief*, **2020**, 33, 106322	1.2	1
8	Moments of size distributions applied to texture classification		1
7	Mainstreaming gender in mathematics university teaching and an assessment from students and teachers **2021**,		1
6	Multivariate Functional Data Discrimination Using ICA: Analysis of Hippocampal Differences in Alzheimer's Disease. *Contributions To Statistics*, **2008**, 157-163	0.1	1
5	Archetypal analysis for ordinal data. *Information Sciences*, **2021**, 579, 281-292	7.7	1
4	Ordinal classification of 3D brain structures by functional data analysis. *Statistics and Probability Letters*, **2021**, 179, 109227	0.6	0
3	Gender Perspective in STEM Disciplines in Spain Universities. *Lecture Notes in Educational Technology*, **2022**, 165-179	0.4	0
2	RE: Author reply:. *Canadian Journal of Ophthalmology*, **2014**, 49, 308	1.4	
1	A New Geometric Metric in the Shape and Size Space of Curves in R n. *Mathematics*, **2020**, 8, 1691	2.3	