Irene Epifanio

List of Publications by Year
in descending order

53	733	516561 16	610775 24
papers	citations	h-index	g-index

55	55	55	652
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonlinear image representation for efficient perceptual coding. IEEE Transactions on Image Processing, 2006, 15, 68-80.	6.0	82
2	Morphological Texture Features for Unsupervised and Supervised Segmentations of Natural Landscapes. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 1074-1083.	2.7	41
3	Perceptual feedback in multigrid motion estimation using an improved DCT quantization. IEEE Transactions on Image Processing, 2001, 10, 1411-1427.	6.0	35
4	Archetypoids: A new approach to define representative archetypal data. Computational Statistics and Data Analysis, 2015, 87, 102-115.	0.7	32
5	Shape Descriptors for Classification of Functional Data. Technometrics, 2008, 50, 284-294.	1.3	31
6	Intervention in prediction measure: a new approach to assessing variable importance for random forests. BMC Bioinformatics, 2017, 18, 230.	1.2	29
7	Linear transform for simultaneous diagonalization of covariance and perceptual metric matrix in image coding. Pattern Recognition, 2003, 36, 1799-1811.	5.1	28
8	Use of microperimetry to evaluate hydroxychloroquine and chloroquine retinal toxicity. Canadian Journal of Ophthalmology, 2013, 48, 400-405.	0.4	27
9	A random set view of texture classification. IEEE Transactions on Image Processing, 2002, 11, 859-867.	6.0	26
10	Archetypoid analysis for sports analytics. Data Mining and Knowledge Discovery, 2017, 31, 1643-1677.	2.4	26
11	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, 551-561.	1.6	25
12	An ensemble of ordered logistic regression and random forest for child garment size matching. Computers and Industrial Engineering, 2016, 101, 455-465.	3.4	25
13	Archetypal analysis: Contributions for estimating boundary cases in multivariate accommodation problem. Computers and Industrial Engineering, 2013, 64, 757-765.	3.4	23
14	Functional data analysis in shape analysis. Computational Statistics and Data Analysis, 2011, 55, 2758-2773.	0.7	20
15	Detection of Anomalies in Water Networks by Functional Data Analysis. Mathematical Problems in Engineering, 2018, 2018, 1-13.	0.6	19
16	Apparel sizing using trimmed PAM and OWA operators. Expert Systems With Applications, 2012, 39, 10512-10520.	4.4	16
17	Functional archetype and archetypoid analysis. Computational Statistics and Data Analysis, 2016, 104, 24-34.	0.7	16
18	Clustering of spatial point patterns. Computational Statistics and Data Analysis, 2006, 50, 1016-1032.	0.7	15

#	Article	IF	Citations
19	Robust archetypoids for anomaly detection in big functional data. Advances in Data Analysis and Classification, 2021, 15, 437-462.	0.9	15
20	Archetypal shapes based on landmarks and extension to handle missing data. Advances in Data Analysis and Classification, 2018, 12, 705-735.	0.9	13
21	Ten Simple Rules for organizing a nonâ€“real-time web conference. PLoS Computational Biology, 2020, 16, e1007667.	1.5	13
22	Non-linear Invertible Representation for Joint Statistical and Perceptual Feature Decorrelation. Lecture Notes in Computer Science, 2000, , 658-667.	1.0	13
23	Hippocampal shape analysis in Alzheimer's disease using functional data analysis. Statistics in Medicine, 2014, 33, 867-880.	0.8	12
24	Forecasting basketball players' performance using sparse functional data*. Statistical Analysis and Data Mining, 2019, 12, 534-547.	1.4	12
25	A simple model to analyze the effectiveness of linear time normalization to reduce variability in human movement analysis. Gait and Posture, 2007, 25, 153-156.	0.6	11
26	A data-driven classification of 3D foot types by archetypal shapes based on landmarks. PLoS ONE, 2020, 15, e0228016.	1.1	11
27	Robust multivariate and functional archetypal analysis with application to financial time series analysis. Physica A: Statistical Mechanics and Its Applications, 2019, 519, 195-208.	1.2	10
28	Detecting and visualizing differences in brain structures with SPHARM and functional data analysis. NeuroImage, 2020, 222, 117209.	2.1	10
29	Archetype analysis: A new subspace outlier detection approach. Knowledge-Based Systems, 2021, 217, 106830.	4.0	10
30	hâ€plots for displaying nonmetric dissimilarity matrices. Statistical Analysis and Data Mining, 2013, 6, 136-143.	1.4	9
31	An active contour model for the automatic detection of the fovea in fluorescein angiographies. , 0, , .		8
32	Archetypal Analysis With Missing Data: See All Samples by Looking at a Few Based on Extreme Profiles. American Statistician, 2020, 74, 169-183.	0.9	8
33	A Data Science Analysis of Academic Staff Workload Profiles in Spanish Universities: Gender Gap Laid Bare. Education Sciences, 2021, 11, 317.	1.4	8
34	ARCHETYPAL ANALYSIS: AN ALTERNATIVE TO CLUSTERING FOR UNSUPERVISED TEXTURE SEGMENTATION. Image Analysis and Stereology, 2019, 38, 151.	0.4	6
35	Perceptually weighted optical flow for motion-based segmentation in MPEG-4 paradigm. Electronics Letters, 2000, 36, 1693.	0.5	5
36	Generalized partially linear models on Riemannian manifolds. Journal of the Royal Statistical Society Series C: Applied Statistics, 2020, 69, 641-661.	0.5	5

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37	Importance of quantiser design compared to optimal multigrid motion estimation in video coding. Electronics Letters, 2000, 36, 807.	0.5	4
38	Archetypal analysis for ordinal data. Information Sciences, 2021, 579, 281-292.	4.0	4
39	MORPHOLOGICAL ANALYSIS OF CELLS BY MEANS OF AN ELASTIC METRIC IN THE SHAPE SPACE. Image Analysis and Stereology, 0, , .	0.4	4
40	Mapping the asymmetrical citation relationships between journals by hâ€plots. Journal of the Association for Information Science and Technology, 2014, 65, 1293-1298.	1.5	3
41	Child t-shirt size data set from 3D body scanner anthropometric measurements and a questionnaire. Data in Brief, 2017, 11, 311-315.	0.5	3
42	Combining Classification and User-Based Collaborative Filtering for Matching Footwear Size. Mathematics, 2021, 9, 771.	1.1	3
43	Ordinal classification of 3D brain structures by functional data analysis. Statistics and Probability Letters, 2021, 179, 109227.	0.4	3
44	Gender Perspective in STEM Disciplines in Spain Universities. Lecture Notes in Educational Technology, 2022, , 165-179.	0.5	3
45	A New Geometric Metric in the Shape and Size Space of Curves in R n. Mathematics, 2020, 8, 1691.	1.1	2
46	A neuroimaging data set on problem solving in the case of the reversal error: Putamen data. Data in Brief, 2020, 33, 106322.	0.5	2
47	Moments of size distributions applied to texture classification. , 0, , .		1
48	Segmentation of natural landscapes using morphological texture features. , 0, , .		1
49	Multivariate Functional Data Discrimination Using ICA: Analysis of Hippocampal Differences in Alzheimer's Disease. Contributions To Statistics, 2008, , 157-163.	0.2	1
50	Mainstreaming gender in mathematics university teaching and an assessment from students and teachers. , 2021, , .		1
51	RE: Author Reply:. Canadian Journal of Ophthalmology, 2014, 49, 308.	0.4	0
52	Analysis of a Social Webquest for Statistics in Engineering. International Journal of Learning, 2010, 17, 269-280.	0.1	0
53	What motion information is perceptually relevant?. Journal of Vision, 2010, 1, 309-309.	0.1	0