

# Carlos Javier PÃ©rez SÃ¡nchez

## List of Publications by Year in descending order

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77  
papers

1,414  
citations

471509

17  
h-index

361022

35  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1291  
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-objective memetic algorithm for query-oriented text summarization: Medicine texts as a case study. <i>Expert Systems With Applications</i> , 2022, 198, 116769.	7.6	11
2	Learning analytics to predict students' performance: A case study of a neurodidactics-based collaborative learning platform. <i>Education and Information Technologies</i> , 2022, 27, 12913-12938.	5.7	5
3	Predicting leaf nitrogen content in olive trees using hyperspectral data for precision agriculture. <i>Precision Agriculture</i> , 2021, 22, 1-21.	6.0	20
4	A stage-based approach to allocating water quality monitoring stations based on the WorldQual model: The Jubba River as a case study. <i>Science of the Total Environment</i> , 2021, 762, 144162.	8.0	3
5	The impact of term-weighting schemes and similarity measures on extractive multi-document text summarization. <i>Expert Systems With Applications</i> , 2021, 169, 114510.	7.6	11
6	Impact of noise on the performance of automatic systems for vocal fold lesions detection. <i>Biocybernetics and Biomedical Engineering</i> , 2021, 41, 1039-1056.	5.9	2
7	Monitoring Parkinson's disease progression based on recorded speech with missing ordinal responses and replicated covariates. <i>Computers in Biology and Medicine</i> , 2021, 134, 104503.	7.0	4
8	Addressing topic modeling with a multi-objective optimization approach based on swarm intelligence. <i>Knowledge-Based Systems</i> , 2021, 225, 107113.	7.1	5
9	Replication-based regularization approaches to diagnose Reinke's edema by using voice recordings. <i>Artificial Intelligence in Medicine</i> , 2021, 120, 102162.	6.5	3
10	Sentiment-oriented query-focused text summarization addressed with a multi-objective optimization approach. <i>Applied Soft Computing Journal</i> , 2021, 113, 107915.	7.2	4
11	Multicondition Training for Noise-Robust Detection of Benign Vocal Fold Lesions From Recorded Speech. <i>IEEE Access</i> , 2021, 9, 1707-1722.	4.2	7
12	A mobile-assisted voice condition analysis system for Parkinson's disease: assessment of usability conditions. <i>BioMedical Engineering OnLine</i> , 2021, 20, 114.	2.7	12
13	A hidden Markov model addressing measurement errors in the response and replicated covariates for continuous nondecreasing processes. <i>Biostatistics</i> , 2020, 21, 743-757.	1.5	4
14	An Acoustic-Signal-Based Preventive Program for University Lecturers' Vocal Health. <i>Journal of Voice</i> , 2020, 34, 88-99.	1.5	15
15	Experimental analysis of multiple criteria for extractive multi-document text summarization. <i>Expert Systems With Applications</i> , 2020, 140, 112904.	7.6	25
16	A Hidden Markov Model to Address Measurement Errors in Ordinal Response Scale and Non-Decreasing Process. <i>Mathematics</i> , 2020, 8, 622.	2.2	4
17	A decomposition-based multi-objective optimization approach for extractive multi-document text summarization. <i>Applied Soft Computing Journal</i> , 2020, 91, 106231.	7.2	31
18	Robustness Assessment of Automatic Reinke's Edema Diagnosis Systems. , 2020, , .		0

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19	Skewed link-based regression models for misclassified binary data. Revista De La Real Academia De Ciencias Exactas, Físicas Y Naturales - Serie A: Matemáticas, 2019, 113, 1585-1599.	1.2	1
20	Variability and Performance Study of the Sound Absorption of Used Cigarette Butts. Materials, 2019, 12, 2584.	2.9	13
21	Parallelizing a multi-objective optimization approach for extractive multi-document text summarization. Journal of Parallel and Distributed Computing, 2019, 134, 166-179.	4.1	11
22	Identifying key players in large social networks by using a multi-objective artificial bee colony optimization approach. Applied Soft Computing Journal, 2019, 77, 176-187.	7.2	7
23	Exploring the importance of mixed autogenous vaccines as a potential determinant of lung consolidation in lambs using Bayesian networks. Preventive Veterinary Medicine, 2019, 169, 104693.	1.9	2
24	Comparison of automatic methods for reducing the Pareto front to a single solution applied to multi-document text summarization. Knowledge-Based Systems, 2019, 174, 123-136.	7.1	27
25	A Bayesian-Network-based Approach to Risk Analysis in Runway Excursions. Journal of Navigation, 2019, 72, 1121-1139.	1.7	20
26	A Bayesian approach for misclassified ordinal response data. Journal of Applied Statistics, 2019, 46, 2198-2215.	1.3	3
27	An Indicator-based Multi-Objective Optimization Approach Applied to Extractive Multi-Document Text Summarization. IEEE Latin America Transactions, 2019, 17, 1291-1299.	1.6	4
28	A Bayesian decision analysis approach to assess voice disorder risks by using acoustic features. Biometrical Journal, 2019, 61, 503-513.	1.0	3
29	A Flexible Replication-Based Classification Approach for Parkinson's Disease Detection by Using Voice Recordings. Springer Proceedings in Mathematics and Statistics, 2019, , 81-94.	0.2	1
30	A Diadochokinesis-based expert system considering articulatory features of plosive consonants for early detection of Parkinson's disease. Computer Methods and Programs in Biomedicine, 2018, 154, 89-97.	4.7	48
31	Extractive multi-document text summarization using a multi-objective artificial bee colony optimization approach. Knowledge-Based Systems, 2018, 159, 1-8.	7.1	68
32	Computational Diagnosis of Parkinson's Disease from Speech Based on Regularization Methods. , 2018, , .		3
33	A New Asymmetric Link-Based Binary Regression Model to Detect Parkinson's Disease by Using Replicated Voice Recordings. , 2018, , .		0
34	Boar sperm hyperactivated motility is induced by temperature via an intracellular calcium-dependent pathway. Reproduction, Fertility and Development, 2018, 30, 1462.	0.4	9
35	Identification, capsular typing and virulence factors of Pasteurella multocida isolates from Merino lambs in Extremadura (Southwestern Spain). Veterinaria Medicina, 2018, 63, 117-124.	0.6	3
36	Automatic selection of a single solution from the Pareto front to identify key players in social networks. Knowledge-Based Systems, 2018, 160, 228-236.	7.1	20

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37	An objective method of street classification for noise studies. <i>Applied Acoustics</i> , 2018, 141, 162-168.	3.3	5
38	Feedlot conditions and their influence on blood parameter values in Merino lambs in Extremadura, Spain over a specific time-period. <i>Journal of the Hellenic Veterinary Medical Society</i> , 2018, 68, 621.	0.3	2
39	Addressing voice recording replications for tracking Parkinsonâ€™s disease progression. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 365-373.	2.8	20
40	A two-stage variable selection and classification approach for Parkinsonâ€™s disease detection by using voice recording replications. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 142, 147-156.	4.7	86
41	A Multi-Objective Artificial Bee Colony-based optimization approach to design water quality monitoring networks in river basins. <i>Journal of Cleaner Production</i> , 2017, 166, 579-589.	9.3	41
42	Diagnosis and Tracking of Parkinsonâ€™s Disease by using Automatically Extracted Acoustic Features. , 2016, 6, .		9
43	<i>Mannheimia haemolytica</i> and <i>Bibersteinia trehalosi</i> Serotypes Isolated from Merino Breed Lambs in Extremadura (Southwestern Spain). <i>Indian Journal of Microbiology</i> , 2016, 56, 513-515.	2.7	4
44	Investigations into the seasonal presence of <i>Mycoplasma</i> species in fattening lambs. <i>Veterinary Journal</i> , 2016, 212, 80-82.	1.7	16
45	A Bayesian negotiation model for quality and price in a multi-consumer context. <i>Reliability Engineering and System Safety</i> , 2016, 147, 132-141.	8.9	1
46	Identifying risk factors for ovine respiratory processes by using Bayesian networks. <i>Small Ruminant Research</i> , 2016, 136, 113-120.	1.2	9
47	Addressing voice recording replications for Parkinsonâ€™s disease detection. <i>Expert Systems With Applications</i> , 2016, 46, 286-292.	7.6	110
48	A new Bayesian network-based approach to the analysis of sperm motility: application in the study ofÂtrench ( <i>Tinca tinca</i> ) semen. <i>Andrology</i> , 2015, 3, 956-966.	3.5	4
49	Valuation of immune response by using phagocytosis index and parameters associated as markers of animal stress in fattening lambs. <i>Small Ruminant Research</i> , 2015, 133, 58-61.	1.2	5
50	A Monte Carloâ€‘Based Bayesian Approach for Measuring Agreement in a Qualitative Scale. <i>Applied Psychological Measurement</i> , 2015, 39, 189-207.	1.0	2
51	A condition-based maintenance for a system subject to multiple degradation processes and external shocks. <i>International Journal of Systems Science</i> , 2015, 46, 1692-1704.	5.5	60
52	Bayesian analysis of some models that use the asymmetric exponential power distribution. <i>Statistics and Computing</i> , 2015, 25, 497-514.	1.5	12
53	A condition-based maintenance of a dependent degradation-threshold-shock model in a system with multiple degradation processes. <i>Reliability Engineering and System Safety</i> , 2015, 134, 98-109.	8.9	155
54	Addressing misclassification for binary data: probit and t-link regressions. <i>Journal of Statistical Computation and Simulation</i> , 2014, 84, 2187-2213.	1.2	4

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55	Adversarial life testing: A Bayesian negotiation model. Reliability Engineering and System Safety, 2014, 131, 118-125.	8.9	6
56	Bayesian binary regression with exponential power link. Computational Statistics and Data Analysis, 2014, 71, 464-476.	1.2	6
57	Computer-aided diagnosis system: A Bayesian hybrid classification method. Computer Methods and Programs in Biomedicine, 2013, 112, 104-113.	4.7	33
58	A Statistical Agreement-Based Approach for Difference Testing. Journal of Sensory Studies, 2013, 28, 358-369.	1.6	5
59	A Bayesian approach to aggregate experts' initial information. Electronic Journal of Statistics, 2012, 6, .	0.7	7
60	Log-Linear Pool to Combine Prior Distributions: A Suggestion for a Calibration-Based Approach. Bayesian Analysis, 2012, 7, .	3.0	20
61	A note on the prior parameter choice in finite mixture models of distributions from exponential families. Computational Statistics, 2010, 25, 537-550.	1.5	0
62	Merging experts' opinions: A Bayesian hierarchical model with mixture of prior distributions. European Journal of Operational Research, 2010, 207, 284-289.	5.7	12
63	New approaches to compute Bayes factor in finite mixture models. Computational Statistics and Data Analysis, 2010, 54, 3324-3335.	1.2	7
64	Bayesian robustness for decision making problems: Applications in medical contexts. International Journal of Approximate Reasoning, 2009, 50, 315-323.	3.3	4
65	Local parametric sensitivity for mixture models of lifetime distributions. Reliability Engineering and System Safety, 2009, 94, 1238-1244.	8.9	4
66	Bayesian analysis of a generalized lognormal distribution. Computational Statistics and Data Analysis, 2009, 53, 1377-1387.	1.2	25
67	Inference on exponential families with mixture of prior distributions. Computational Statistics and Data Analysis, 2009, 53, 3271-3280.	1.2	6
68	Efficient generation of random vectors by using the ratio-of-uniforms method with ellipsoidal envelopes. Statistics and Computing, 2008, 18, 209-217.	1.5	4
69	A logistic regression-based pairwise comparison method to aggregate preferences. Group Decision and Negotiation, 2008, 17, 237-247.	3.3	7
70	A Bayesian model for multinomial sampling with misclassified data. Journal of Applied Statistics, 2008, 35, 369-382.	1.3	3
71	Bayesian analysis of finite mixtures of multinomial and negative-multinomial distributions. Computational Statistics and Data Analysis, 2007, 51, 5452-5466.	1.2	9
72	MCMC-based local parametric sensitivity estimations. Computational Statistics and Data Analysis, 2006, 51, 823-835.	1.2	17

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73	Sensitivity estimations for Bayesian inference models solved by MCMC methods. Reliability Engineering and System Safety, 2006, 91, 1310-1314.	8.9	20
74	Bayesian analysis of finite mixture models of distributions from exponential families. Computational Statistics, 2006, 21, 621-637.	1.5	13
75	Quasi-Random Sampling Importance Resampling. Communications in Statistics Part B: Simulation and Computation, 2005, 34, 97-112.	1.2	9
76	Comparison of two clinical scales for causality assessment in hepatotoxicity. Hepatology, 2001, 33, 123-130.	7.3	240
77	A mixed hidden Markov model for multivariate monotone disease processes in the presence of measurement errors. Statistical Modelling, 0, , 1471082X2097347.	1.1	3