

# Carlos Cobos

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

555  
citations

1051969

10  
h-index

799663

21  
g-index

68  
all docs

68  
docs citations

68  
times ranked

561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Servicio de clasificaci3n documental multi cliente basado en t3cnicas de aprendizaje de m3quina y Elasticsearch. Revista Cient3fica Del Centro De Investigaciones Y Desarrollo Cient3fico De La Universidad Distrital Francisco Jos3 De Caldas, 2022, 43, 64-79.	0.1	0
2	Cartesian product of sets without repeated elements. Information Sciences, 2021, 570, 517-525.	4.0	0
3	ModeLab - Web Tool for the Modeling of Bus Rapid Transit Systems. Revista Facultad De Ingenier3a, 2021, 30, e13294.	0.0	0
4	Documenting and implementing DevOps good practices with test automation and continuous deployment tools through software refinement. Periodicals of Engineering and Natural Sciences, 2021, 9, 854.	0.3	1
5	Criterios de ubicaci3n de algoritmos de inteligencia computacional en la web de las cosas: Revisi3n sistem3tica de la literatura. Investigaci3n E Innovaci3n En Ingenier3as, 2021, 9, 108-123.	0.2	0
6	Incremental learning model inspired in Rehearsal for deep convolutional networks. Knowledge-Based Systems, 2020, 208, 106460.	4.0	11
7	A Multi-Objective Approach for the Calibration of Microscopic Traffic Flow Simulation Models. IEEE Access, 2020, 8, 103124-103140.	2.6	11
8	Algoritmo greedy para predecir el 3ndice de servicio de pavimento basado en agrupaci3n y regresi3n lineal. Investigaci3n E Innovaci3n En Ingenier3as, 2020, 8, 119-134.	0.2	0
9	A business process clustering algorithm using incremental covering arrays to explore search space and balanced Bayesian information criterion to evaluate quality of solutions. PLoS ONE, 2019, 14, e0217686.	1.1	2
10	Wrapper for Building Classification Models Using Covering Arrays. IEEE Access, 2019, 7, 148297-148312.	2.6	5
11	Optimization of Neural Network Training with ELM Based on the Iterative Hybridization of Differential Evolution with Local Search and Restarts. Lecture Notes in Computer Science, 2019, , 38-50.	1.0	1
12	Specification of mixed logit models assisted by an optimization framework. Journal of Choice Modelling, 2019, 30, 50-60.	1.2	26
13	Covering Arrays to Support the Process of Feature Selection in the Random Forest Classifier. Lecture Notes in Computer Science, 2019, , 64-76.	1.0	1
14	Machine learning: A deep learning approach for seismic structural evaluation. , 2019, , .		0
15	Detecci3n de tendencias de homicidios en Colombia usando Machine Learning. Revista Facultad De Ingenier3a, 2019, 29, e11740.	0.0	7
16	Adaptation, Comparison, and Improvement of Metaheuristic Algorithms to the Part-of-Speech Tagging Problem. Revista Facultad De Ingenier3a, 2019, 29, e11762.	0.0	0
17	A multiobjective bilevel approach based on global-best harmony search for defining optimal routes and frequencies for bus rapid transit systems. Applied Soft Computing Journal, 2018, 67, 567-583.	4.1	25
18	Automatic Generation of Multi-document Summaries Based on the Global-Best Harmony Search Metaheuristic and the LexRank Graph-Based Algorithm. Lecture Notes in Computer Science, 2018, , 82-94.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Framework for the Training of Deep Neural Networks in TensorFlow Using Metaheuristics. Lecture Notes in Computer Science, 2018, , 801-811.	1.0	2
20	Feature Selection Using Sampling with Replacement, Covering Arrays and Rule-Induction Techniques to Aid Polarity Detection in Twitter Sentiment Analysis. Lecture Notes in Computer Science, 2018, , 467-480.	1.0	4
21	Vegetation Index Based on Genetic Programming for Bare Ground Detection in the Amazon. Lecture Notes in Computer Science, 2018, , 259-271.	1.0	0
22	A Comparative Study of Harmony Search Algorithms for Improving the Training Process of Extreme Learning Machines. Lecture Notes in Computer Science, 2018, , 245-256.	1.0	0
23	Memetic Algorithm for Constructing Covering Arrays of Variable Strength Based on Global-Best Harmony Search and Simulated Annealing. Lecture Notes in Computer Science, 2018, , 18-32.	1.0	0
24	Finding Optimal Farming Practices to Increase Crop Yield Through Global-Best Harmony Search and Predictive Models, a Data-Driven Approach. Lecture Notes in Computer Science, 2018, , 15-29.	1.0	0
25	Document Management System Based on a Private Blockchain for the Support of the Judicial Embargoes Process in Colombia. Lecture Notes in Business Information Processing, 2018, , 126-137.	0.8	7
26	A Proposal to Estimate the Variable Importance Measures in Predictive Models Using Results from a Wrapper. Lecture Notes in Computer Science, 2018, , 369-383.	1.0	2
27	Comparative Analysis of MOGBHS with Other State-of-the-Art Algorithms for Multi-objective Optimization Problems. Lecture Notes in Computer Science, 2018, , 154-170.	1.0	2
28	Building a Nasa Yuwe Language Corpus and Tagging with a Metaheuristic Approach. Computacion Y Sistemas, 2018, 22, .	0.2	0
29	Complemento de VS.NET para la definici3n 3ptima de pruebas de software de caja negra mediante arreglos de cobertura. Revista IngenierAs Universidad De MedellAn, 2018, 17, 121-137.	0.1	0
30	Clustering Business Process Models Based on Multimodal Search and Covering Arrays. Lecture Notes in Computer Science, 2017, , 317-328.	1.0	1
31	Transit Network Frequencies-Setting Problem Solved Using a New Multi-Objective Global-Best Harmony Search Algorithm and Discrete Event Simulation. Lecture Notes in Computer Science, 2017, , 341-352.	1.0	4
32	Algorithm for Clustering of Web Search Results from a Hyper-heuristic Approach. Lecture Notes in Computer Science, 2017, , 285-316.	1.0	1
33	Memetic Algorithm Based on Global-Best Harmony Search and Hill Climbing for Part of Speech Tagging. Lecture Notes in Computer Science, 2017, , 198-211.	1.0	0
34	Grouping of business processes models based on an incremental clustering algorithm using fuzzy similarity and multimodal search. Expert Systems With Applications, 2017, 67, 163-177.	4.4	14
35	Indexing and Searching of Judicial Precedents Using Automatic Summarization. Lecture Notes in Computer Science, 2017, , 116-126.	1.0	0
36	Strengthening Competencies for Building Software, Through a Community of Practice. Communications in Computer and Information Science, 2017, , 415-426.	0.4	1

#	ARTICLE	IF	CITATIONS
37	Virtual community of practice to potentiate knowledge and skills for building mobile applications in computer science students. , 2016, , .		1
38	Multi-objective Memetic Algorithm Based on NSGA-II and Simulated Annealing for Calibrating CORSIM Micro-Simulation Models of Vehicular Traffic Flow. Lecture Notes in Computer Science, 2016, , 468-476.	1.0	7
39	Improving business process retrieval using categorization and multimodal search. Knowledge-Based Systems, 2016, 110, 49-59.	4.0	6
40	Tokenizer Adapted for Nasa Yuwe Language. Computacion Y Sistemas, 2016, 20, .	0.2	2
41	Multidimensional analysis model for a document warehouse that includes textual measures. Decision Support Systems, 2015, 72, 44-59.	3.5	11
42	Extractive Single-Document Summarization Based on Global-Best Harmony Search and a Greedy Local Optimizer. Lecture Notes in Computer Science, 2015, , 52-66.	1.0	8
43	Business Processes Retrieval based on Multimodal Search and Lingo Clustering Algorithm. IEEE Latin America Transactions, 2015, 13, 769-776.	1.2	5
44	An Impact Study of Business Process Models for Requirements Elicitation in XP. Lecture Notes in Computer Science, 2015, , 298-312.	1.0	4
45	Building a Nasa Yuwe Language Test Collection. Lecture Notes in Computer Science, 2015, , 112-123.	1.0	0
46	Análisis del impacto sobre la metodología XP de la inclusión de modelos de procesos de negocio en la elicitación de requisitos. Sistemas Y Telemática, 2015, 13, 45-61.	0.1	0
47	Collaborative grouping of business process models. , 2014, , .		3
48	Business process indexing based on similarity of execution cases. , 2014, , .		0
49	Extractive single-document summarization based on genetic operators and guided local search. Expert Systems With Applications, 2014, 41, 4158-4169.	4.4	108
50	Clustering of web search results based on the cuckoo search algorithm and Balanced Bayesian Information Criterion. Information Sciences, 2014, 281, 248-264.	4.0	90
51	Continuous Optimization Based on a Hybridization of Differential Evolution with K-means. Lecture Notes in Computer Science, 2014, , 381-392.	1.0	4
52	A New Memetic Algorithm for Multi-document Summarization Based on CHC Algorithm and Greedy Search. Lecture Notes in Computer Science, 2014, , 125-138.	1.0	10
53	Feature Selection Based on Sampling and C4.5 Algorithm to Improve the Quality of Text Classification Using Naïve Bayes. Lecture Notes in Computer Science, 2014, , 80-91.	1.0	1
54	A hybrid system of pedagogical pattern recommendations based on singular value decomposition and variable data attributes. Information Processing and Management, 2013, 49, 607-625.	5.4	57

#	ARTICLE	IF	CITATIONS
55	Clustering of web search results based on an Iterative Fuzzy C-means Algorithm and Bayesian Information Criterion. , 2013, , .		5
56	Fitness Function Obtained from a Genetic Programming Approach for Web Document Clustering Using Evolutionary Algorithms. Lecture Notes in Computer Science, 2012, , 179-188.	1.0	5
57	GHS+LEM: Global-best Harmony Search using learnable evolution models. Applied Mathematics and Computation, 2011, 218, 2558-2578.	1.4	33
58	A hyper-heuristic approach to design and tuning heuristic methods for web document clustering. , 2011, , .		8
59	Web document clustering based on Global-Best Harmony Search, K-means, Frequent Term Sets and Bayesian Information Criterion. , 2010, , .		23
60	Web document clustering based on a new niching Memetic Algorithm, Term-Document Matrix and Bayesian Information Criterion. , 2010, , .		14
61	Learning Management System Based on SCORM, Agents and Mining. , 2007, , 298-309.		2
62	TopicSearch - Personalized Web Clustering Engine Using Semantic Query Expansion, Memetic Algorithms and Intelligent Agents. Polibits, 0, 47, 31-45.	0.0	5
63	MultiSearchBP: Entorno para búsqueda y agrupación de modelos de procesos de negocio. Polibits, 0, 49, 29-37.	0.0	3
64	Business Process Models Clustering Based on Multimodal Search, K-means, and Cumulative and No-Continuous N-Grams. Polibits, 0, 54, 25-31.	0.0	2