Alberto Ochoa

List of Publications by Year
in descending order

80 papers	250 citations	1478505 6 h-index	1281871 11 g-index
88 all docs	88 docs citations	88 times ranked	244 citing authors

#	Article	IF	Citations
1	A Use Case in Cybersecurity based in Blockchain to deal with the security and privacy of citizens and Smart Cities Cyberinfrastructures. , 2018, , .		37
2	Implementing a Novel Use of Multicriteria Decision Analysis to Select IIoT Platforms for Smart Manufacturing. Symmetry, 2020, 12, 368.	2.2	26
3	An Asphalt Damage Dataset and Detection System Based on RetinaNet for Road Conditions Assessment. Applied Sciences (Switzerland), 2020, 10, 3974.	2.5	24
4	The Use of Data Mining to Determine Cheating in Online Student Assessment. , 2006, , .		11
5	A novel Gaussian matched filter based on entropy minimization for automatic segmentation of coronary angiograms. Computers and Electrical Engineering, 2016, 53, 263-275.	4.8	10
6	Implementing flower multi-objective algorithm for selection of university academic credits. , 2014, , .		8
7	Musical Recommendation on Thematic Web Radio. Journal of Computers, 2009, 4, .	0.4	8
8	Analysis of Cyber-bullying in a virtual social networking. , 2011, , .		7
9	Prediction of time series using wavelet Gaussian process for wireless sensor networks. Wireless Networks, 2020, 26, 5751-5758.	3.0	7
10	Determining the Ranking of a New Participant in Eurovision Using Cultural Algorithms and Data Mining. , 2008, , .		6
11	Shipwrecked on Fear: Selection of Electives in School Minorities in a University Using Cuckoo Search Algorithm. Studies in Computational Intelligence, 2014, , 139-150.	0.9	6
12	Film cooling optimization on leading edge gas turbine blade using differential evolution. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 1656-1666.	1.3	6
13	Framework for the Analysis of Smart Cities Models. Advances in Intelligent Systems and Computing, 2019, , 261-269.	0.6	5
14	Outlier Analysis for Plastic Card Fraud Detection a Hybridized and Multi-Objective Approach. Lecture Notes in Computer Science, 2011, , 1-9.	1.3	5
15	Hybrid System to Determine the Ranking of a Returning Participant in Eurovision. , 2008, , .		4
16	Bat algorithm to improve a Financial Trust Forest. , 2013, , .		4
17	Comparative of Effectiveness When Classifying Colors Using RGB Image Representation with PSO with Time Decreasing Inertial Coefficient and GA Algorithms as Classifiers. Studies in Computational Intelligence, 2018, , 527-546.	0.9	4
18	Reconstruction of PET Images Using Cross-Entropy and Field of Experts. Entropy, 2019, 21, 83.	2.2	4

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19	Hyperheuristic for the Parameter Tuning of a Bio-Inspired Algorithm of Query Routing in P2P Networks. Lecture Notes in Computer Science, 2011, , 119-130.	1.3	4
20	A Visualization Tool for Heuristic Algorithms Analysis. Advances in Intelligent Systems and Computing, 2013, , 515-524.	0.6	4
21	Genetic Algorithm with Immigration Like Strategies of Diversification. , 2010, , .		3
22	Improved solution based on Bat Algorithm to Vehicle Routing Problem in a Caravan Range Community. , 2013, , .		3
23	Improving transport optimization to smart city's competitiveness. , 2017, , .		3
24	Smart traffic management to support people with color blindness in a Smart City. , 2018, , .		3
25	Implementing Data Mining to Improve a Game Board Based on Cultural Algorithms. Advances in Intelligent and Soft Computing, 2007, , 486-493.	0.2	3
26	Hybridization of Evolutionary Mechanisms for Feature Subset Selection in Unsupervised Learning. Lecture Notes in Computer Science, 2009, , 610-621.	1.3	3
27	Distribution and Selection of Colors on a Diorama to Represent Social Issues Using Cultural Algorithms and Graph Coloring. Advances in Intelligent and Soft Computing, 2012, , 57-64.	0.2	3
28	Fuzzy Topsis Method Associated with Improved Selection of Machines of High Productivity. Advances in Intelligent Systems and Computing, 2016, , 3-12.	0.6	2
29	Understanding the Consequences of Social Isolation Using Fireworks Algorithm. Advances in Intelligent Systems and Computing, 2016, , 285-295.	0.6	2
30	Social Spider Algorithm to Improve Intelligent Drones Used in Humanitarian Disasters Related to Floods. Studies in Computational Intelligence, 2017, , 457-476.	0.9	2
31	Evolving Optimization to Improve Diorama's Representation using a Mosaic Image. Journal of Computers, 2009, 4, .	0.4	2
32	Resolution of a Combinatorial Problem using Cultural Algorithms. Journal of Computers, 2009, 4, .	0.4	2
33	A Hybrid System Approach to Determine the Ranking of a Debutant Country in Eurovision. Journal of Computers, 2009, 4, .	0.4	2
34	Mobile Device to Measure Ubiquitous Danger in a Great City Based on Cultural Algorithms. Advances in Intelligent and Soft Computing, 2012, , 647-655.	0.2	2
35	Competitive learning for Self Organizing Maps used in classification of partial discharge. , 2012, , .		1
36	Implementation of an chatbot in a serious game associated with the acquisition of social skills and the promotion of collaborative tasks in children. , 2017, , .		1

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37	Design and Implementation of an IoT-Based HÃ¡ptical Interface Implemented by Memetic Algorithms to Improve Competitiveness in an Industry 4.0 Model for the Manufacturing Sector. Advances in Intelligent Systems and Computing, 2019, , 103-117.	0.6	1
38	Compress sensing algorithm for estimation of signals in sensor networks. Wireless Networks, 2020, 26, 5681-5688.	3.0	1
39	A Drone System for Detecting, Classifying and Monitoring Solid Wastes Using Computer Vision Techniques in the Context of a Smart Cities Logistics Systems. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 543-563.	0.5	1
40	Public Urban Transportation in the Smart City: An Exploratory Study in the Northern MÃ©xico. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 203-218.	0.5	1
41	Improving Decision-Making in a Business Simulator Using TOPSIS Methodology for the Establishment of Reactive Stratagems. Studies in Computational Intelligence, 2017, , 809-819.	0.9	1
42	Use of Cellular Automata to Predict Deforestation in Queretaro. Advances in Intelligent Systems and Computing, 2018, , 61-70.	0.6	1
43	Logistics Optimization Service Improved with Artificial Intelligence. Studies in Computational Intelligence, 2010, , 57-65.	0.9	1
44	Development of a Computational Recommender Algorithm for Digital Resources for Education Using Case-Based Reasoning and Collaborative Filtering. Advances in Intelligent and Soft Computing, 2012, , 767-774.	0.2	1
45	Explain a Weblog Community. Advances in Intelligent and Soft Computing, 2007, , 478-485.	0.2	1
46	Intelligent Application to Reduce Transit Accidents in a City Using Cultural Algorithms. Advances in Intelligent Systems and Computing, 2013, , 9-17.	0.6	1
47	Simulation and Application of Algorithms CVRP to Optimize the Transport of Minerals Metallic and Nonmetallic by Rail for Export. Lecture Notes in Computer Science, 2017, , 519-525.	1.3	1
48	Edge computingâ€"Foundations and applications. , 2022, , 17-30.		1
49	Influence of an armrest support on handgrip strength in different arm and shoulder flexion angles in overhead postures. International Journal of Occupational Safety and Ergonomics, 2023, 29, 90-98.	1.9	1
50	Discover behavior of Turkish people in Orkut. , 2007, , .		0
51	Improve Decision Support Using Adaptive Data Mining. , 2009, , .		0
52	Identify an Adequate Anthropometry to Water Polo Using Social Data Mining. , 2009, , .		0
53	Mobile device to measure the danger of ubiquity in a great city. Procedia Engineering, 2012, 35, 92-100.	1.2	0
54	Implementation of a Mobile Device to Determine Danger in a Great City Based on Ubiquity. , 2012, , .		0

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55	A comparative study of partial discharge by classification's kind. , 2012, , .		0
56	Comparison of Competitive Learning for SOM Used in Classification of Partial Discharge. Lecture Notes in Computer Science, 2012, , 128-138.	1.3	0
57	Percolationby links appliedto the minimum spanning tree problem. , 2013, , .		0
58	Fuzzy Logic to determine poverty levels in a society. , 2013, , .		0
59	Use of GVRP as a Model of Two Specific Real World Problems and Its Bioinspired Solution. Advances in Logistics, Operations, and Management Science Book Series, 2016, , 451-469.	0.4	0
60	Geospatial Situation Analysis for the Prediction of Possible Cases of Suicide Using EBK. Advances in Computational Intelligence and Robotics Book Series, 2021, , 327-346.	0.4	0
61	Preservation of Cultural Heritage in an Ethnic Minority Using Internet of Things and Smart Karaoke. Advances in Computational Intelligence and Robotics Book Series, 2021, , 180-195.	0.4	0
62	Issues in the Syntactic Parsing of Queries for a Natural Language Interface to Databases. Advances in Computational Intelligence and Robotics Book Series, 2021, , 157-179.	0.4	0
63	What is the Best Location of a Smart Airport in Juarez, Mexico?. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 475-499.	0.5	0
64	Innovative Aspects of Virtual Reality and Kinetic Sensors for Significant Improvement Using Fireworks Algorithm in a Wii Game of a Collaborative Sport. , 2021, , 991-1008.		0
65	A Comparison of Personality Prediction Classifiers for Personnel Selection in Organizations Based on Industry 4.0. Advances in Computational Intelligence and Robotics Book Series, 2021, , 266-288.	0.4	0
66	Hybrid Algorithm to Data Clustering. Lecture Notes in Computer Science, 2009, , 678-685.	1.3	0
67	Diagnosis of Partial Discharge Using Self Organizing Maps and Hierarchical Clustering â€" An Approach. Lecture Notes in Computer Science, 2011, , 91-98.	1.3	0
68	Improved Decision Support System to Develop a Public Policy to Reduce Dropout Rates for Four Minorities in a Society. Advances in Data Mining and Database Management Book Series, 2013, , 260-280.	0.5	0
69	Small Hydroponics Garden Improved Using Cultural Algorithms. Studies in Computational Intelligence, 2013, , 409-416.	0.9	0
70	Using Multi-Objective Optimization to Design Parameters in Electro-Discharge Machining by Wire. Advances in Intelligent Systems and Computing, 2014, , 493-502.	0.6	0
71	Improved Decision Support System to Develop a Public Policy to Reduce Dropout Rates for Four Minorities in a Society. , 2015, , 320-340.		0
72	Determining the Relationship between Time of Construction and Cranes Organization by Applying the Bees Algorithm for Reducing the Time of Construction of Houses. Advances in Logistics, Operations, and Management Science Book Series, 2016, , 519-529.	0.4	0

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73	Determining Maximum Load of Passengers and Goods to an Aerotaxi in Southwestern Chihuahua. Advances in Logistics, Operations, and Management Science Book Series, 2016, , 434-450.	0.4	0
74	Implementing a Container Ship Stowage Problem for Humanitarian Aid in Palestine Based on Cultural Algorithms. Advances in Logistics, Operations, and Management Science Book Series, 2016, , 309-318.	0.4	0
75	The Application of Hanoi Towers Game in Logistics Management. Advances in Logistics, Operations, and Management Science Book Series, 2016, , 422-433.	0.4	0
76	Intelligent Drones Improved With Algae Algorithm. Advances in Business Information Systems and Analytics Book Series, 2018, , 279-297.	0.4	0
77	Modeling Simulation-Based Agents for Reducing Operative Deferral in Oncology in a Virtual Scenario using Ergonomics. Advances in Chemical and Materials Engineering Book Series, 2018, , 48-54.	0.3	0
78	Innovative Aspects of Virtual Reality and Kinetic Sensors for Significant Improvement Using Fireworks Algorithm in a Wii Game of a Collaborative Sport. Advances in Computational Intelligence and Robotics Book Series, 2020, , 334-351.	0.4	0
79	Multiagents System applied on a Cyberbullying Model for a Social Network. , 0, , 69-92.		0
80	Specified Ontologies in User Tags to Graphical User Interface Hedonistic Type Based on Sentiment Analysis. Communications in Computer and Information Science, 2021, , 178-191.	0.5	0