

Vicente GarcÃ-a-dÃ-az

List of Publications by Year in descending order

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98
papers

2,131
citations

266019

23
h-index

252701

43
g-index

106
all docs

106
docs citations

106
times ranked

2731
citing authors

#	ARTICLE	IF	CITATIONS
1	IL-2 Is Essential for TGF- β 2 to Convert Naive CD4+CD25 ^{hi} Cells to CD25+Foxp3+ Regulatory T Cells and for Expansion of These Cells. <i>Journal of Immunology</i> , 2007, 178, 2018-2027.	0.8	543
2	Implicit feedback techniques on recommender systems applied to electronic books. <i>Computers in Human Behavior</i> , 2012, 28, 1186-1193.	9.0	129
3	Artificial Intelligence and Internet of Things Enabled Disease Diagnosis Model for Smart Healthcare Systems. <i>IEEE Access</i> , 2021, 9, 45137-45146.	4.4	115
4	Supporting academic decision making at higher educational institutions using machine learning-based algorithms. <i>Soft Computing</i> , 2019, 23, 4145-4153.	3.8	77
5	A Review of Artificial Intelligence in the Internet of Things. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2019, 5, 9.	4.1	70
6	A process model for shot peen forming. <i>Journal of Materials Processing Technology</i> , 2006, 172, 159-162.	6.4	69
7	Study and analysis of SARIMA and LSTM in forecasting time series data. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101474.	2.9	61
8	Henoch-Schönlein purpura nephritis with nephrotic state in children: predictors of poor outcomes. <i>Pediatric Nephrology</i> , 2011, 26, 921-925.	1.8	49
9	Internet of Things and Deep Learning Enabled Elderly Fall Detection Model for Smart Homecare. <i>IEEE Access</i> , 2021, 9, 113879-113888.	4.4	48
10	A novel hybrid approach of SVM combined with NLP and probabilistic neural network for email phishing. <i>International Journal of Electrical and Computer Engineering</i> , 2020, 10, 486.	0.8	47
11	Optical second-harmonic generation from adsorbate layers in total-reflection geometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1993, 10, 1824.	2.0	46
12	A Decentralized Framework for Multi-Agent Robotic Systems. <i>Sensors</i> , 2018, 18, 417.	4.0	38
13	BiFeO ₃ Nanoparticles: The "Holy Grail" of Piezoelectric Photocatalysts?. <i>Advanced Materials</i> , 2023, 35, .	24.3	38
14	An optimal cascaded recurrent neural network for intelligent COVID-19 detection using Chest X-ray images. <i>Applied Soft Computing Journal</i> , 2021, 113, 107878.	7.4	37
15	Machine learning classification analysis for a hypertensive population as a function of several risk factors. <i>Expert Systems With Applications</i> , 2018, 110, 206-215.	7.9	36
16	SBPMN "An easier business process modeling notation for business users. <i>Computer Standards and Interfaces</i> , 2010, 32, 18-28.	6.1	35
17	An approach to improve the accuracy of probabilistic classifiers for decision support systems in sentiment analysis. <i>Applied Soft Computing Journal</i> , 2018, 67, 822-833.	7.4	31
18	A Case Study for a Big Data and Machine Learning Platform to Improve Medical Decision Support in Population Health Management. <i>Algorithms</i> , 2020, 13, 102.	2.2	30

#	ARTICLE	IF	CITATIONS
19	Fuzzy decision method to improve the information exchange in a vehicle sensor tracking system. <i>Applied Soft Computing Journal</i> , 2015, 35, 708-716.	7.4	29
20	Artificial intelligence with big data analytics-based brain intracranial hemorrhage e-diagnosis using CT images. <i>Neural Computing and Applications</i> , 2023, 35, 16037-16049.	5.7	27
21	Vitruvius: An expert system for vehicle sensor tracking and managing application generation. <i>Journal of Network and Computer Applications</i> , 2014, 42, 178-188.	9.7	25
22	A neural network approach to predict early neonatal sepsis. <i>Computers and Electrical Engineering</i> , 2019, 76, 379-388.	5.2	25
23	Dynamic customer churn prediction strategy for business intelligence using text analytics with evolutionary optimization algorithms. <i>Information Processing and Management</i> , 2021, 58, 102706.	8.9	25
24	Method for analysing the user experience in MOOC platforms. , 2014, , .		21
25	Proliferation of Opportunistic Routing: A Systematic Review. <i>IEEE Access</i> , 2022, 10, 5855-5883.	4.4	21
26	Using extended web technologies to develop Bluetooth multi-platform mobile applications for interact with smart things. <i>Information Fusion</i> , 2015, 21, 30-41.	19.9	20
27	Fuzzy system to adapt web voice interfaces dynamically in a vehicle sensor tracking application definition. <i>Soft Computing</i> , 2016, 20, 3321-3334.	3.8	19
28	Deep Transfer Learning based Fusion Model for Environmental Remote Sensing Image Classification Model. <i>European Journal of Remote Sensing</i> , 2022, 55, 12-23.	3.8	18
29	Bearing Fault Diagnosis With Envelope Analysis and Machine Learning Approaches Using CWRU Dataset. <i>IEEE Access</i> , 2023, 11, 57796-57805.	4.4	18
30	Academic decision making model for higher education institutions using learning analytics. , 2016, , .		17
31	TALISMAN MDE: Mixing MDE principles. <i>Journal of Systems and Software</i> , 2010, 83, 1179-1191.	4.8	16
32	Psychometric properties of the Spanish version of the family-centred practices scale for use with families of young children receiving early childhood intervention. <i>Journal of Applied Research in Intellectual Disabilities</i> , 2018, 31, 851-861.	2.1	16
33	A Review on Intrusion Detection Systems and Techniques. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2020, 28, 65-91.	2.2	16
34	Characterization of the Myofibrillar Proteome as a Way to Better Understand Differences in Bovine Meats Having Different Ultimate pH Values. <i>Proteomics</i> , 2020, 20, e2000012.	3.0	16
35	Midgar: Domain-Specific Language to Generate Smart Objects for an Internet of Things Platform. , 2014, , .		14
36	Numerical simulations of the ultrabroadband supercontinuum generation by dual-wavelength pumping in photonic crystal fiber with two zero dispersion wavelengths. <i>Applied Optics</i> , 2015, 54, 4542.	1.8	14

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37	Microstructure and electrical properties of carbon short fiber reinforced copper composites fabricated by electroless deposition followed by powder metallurgy process. Carbon Letters, 2020, 30, 247-258.	6.0	13
38	TALISMAN MDE Framework: An Architecture for Intelligent Model-Driven Engineering. Lecture Notes in Computer Science, 2009, , 299-306.	1.0	12
39	Towards a Standard-based Domain-specific Platform to Solve Machine Learning-based Problems. International Journal of Interactive Multimedia and Artificial Intelligence, 2015, 3, 6.	4.1	12
40	Apollon: A robust defense system against Adversarial Machine Learning attacks in Intrusion Detection Systems. Computers and Security, 2024, 136, 103546.	6.5	12
41	Design of a System for Vehicle Traffic Estimation for Applications on IoT. , 2017, , .		11
42	A model-driven approach to generate and deploy videogames on multiple platforms. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 435-447.	5.3	11
43	Towards the systematic measurement of ATL transformation models. Software - Practice and Experience, 2011, 41, 789-815.	3.8	10
44	Decentralized Online Simultaneous Localization and Mapping for Multi-Agent Systems. Sensors, 2018, 18, 2612.	4.0	10
45	Improving Monte Carlo Tree Search with Artificial Neural Networks without Heuristics. Applied Sciences (Switzerland), 2021, 11, 2056.	2.6	9
46	An intelligent Mobile Web Browser to adapt the mobile web as a function of the physical environment. IEEE Latin America Transactions, 2015, 13, 503-509.	1.8	8
47	Adaptive contents for interactive TV guided by machine learning based on predictive sentiment analysis of data. Soft Computing, 2018, 22, 2731-2752.	3.8	8
48	A User-Oriented Language for Specifying Interconnections Between Heterogeneous Objects in the Internet of Things. IEEE Internet of Things Journal, 2019, 6, 3806-3819.	9.3	8
49	Midgar: Creation of a Graphic Domain-Specific Language to Generate Smart Objects for Internet of Things Scenarios Using Model-Driven Engineering. IEEE Access, 2020, 8, 141872-141894.	4.4	8
50	A fuzzy multi-criteria decision-making method for purchasing life insurance in India. Bulletin of Electrical Engineering and Informatics, 2021, 10, 344-356.	0.9	8
51	Hybrid intelligent framework for automated medical learning. Expert Systems, 2022, 39, .	4.5	8
52	Measurement of viewer sentiment to improve the quality of television and interactive content using adaptive content. , 2016, , .		6
53	Diagnosis of cytomegalovirus infection from clinical whole genome sequencing. Scientific Reports, 2020, 10, 11020.	3.4	6
54	Random loose packing of cylindrical particles considering filling rate. Powder Technology, 2021, 386, 98-107.	4.3	6

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55	Data Mining Approach of Accident Occurrences Identification with Effective Methodology and Implementation. International Journal of Electrical and Computer Engineering, 2018, 8, 4033.	0.8	6
56	WSN analysis in grid topology for potato crops for IoT. , 2017, , .		5
57	Rapid modeling of human-defined AI behavior patterns in games. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 2683-2692.	5.3	5
58	Mobile Web-Based System for Remote-Controlled Electronic Devices and Smart Objects. Mobile Networks and Applications, 2014, 19, 435-447.	3.4	3
59	Outcomes of Patients Initially Treated with Intravitreal Bevacizumab for Central Retinal Vein Occlusion: Long-Term Follow-Up. Seminars in Ophthalmology, 2018, 33, 318-319.	1.6	3
60	A vision-based measurement model for instruments without internet connectivity. Computers and Electrical Engineering, 2018, 71, 533-545.	5.2	3
61	<scp>CAâ€MLBS</scp>: contentâ€aware machine learning based load balancing scheduler in the cloud environment. Expert Systems, 2023, 40, .	4.5	3
62	On the suitability of dynamic languages for hot-reprogramming a robotics framework: a Python case study. Software - Practice and Experience, 2014, 44, 77-104.	3.8	2
63	Dependencies among Architectural Views Got from Software Requirements Based on a Formal Model. Applied Computer Science, 2014, 16, 5-12.	0.6	2
64	Improving the GPS Location Quality Using a Multi-agent Architecture Based on Social Collaboration. Advances in Intelligent Systems and Computing, 2014, , 371-379.	0.0	2
65	An Evaluation of BPMN Solutions. International Journal of Machine Learning and Networked Collaborative Engineering, 2017, 01, 17-22.	0.1	2
66	Improving Cognitive Load on Students with Disabilities Through Software Aids. , 2012, , 163-175.		2
67	Relationships between UML Sequence Diagrams and the Topological Functioning Model for Backward Transformation. Applied Computer Science, 2014, 16, 43-52.	0.6	2
68	Monte Carlo Tree Search as a Tool for Self-Learning and Teaching People to Play Complete Information Board Games. Electronics (Switzerland), 2021, 10, 2609.	3.2	2
69	Attribute-Based Adaptive Homomorphic Encryption for Big Data Security. Big Data, 2021, , .	3.7	2
70	SoftwareLand Chronicles: A Software Development Meta-Process Proposal. Applied Computer Science, 2016, 19, 5-14.	0.6	1
71	SenseQ. , 2016, , .		1
72	Alternative Development for Data Migration Using Dynamic Query Generation. Applied Computer Science, 2016, 19, 25-29.	0.6	1

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73	Vitruvius: Vehicle sensor based model-driven engineering application generation. Journal of Ambient Intelligence and Smart Environments, 2018, 10, 95-97.	1.6	1
74	CrowDSL: Platform for Incidents Management in a Smart City Context. Big Data and Cognitive Computing, 2021, 5, 44.	4.9	1
75	Towards Meta-model Interoperability of Models through Intelligent Transformations. Lecture Notes in Computer Science, 2009, , 315-322.	1.0	1
76	Towards an Adaptive Integration Trigger. Advances in Intelligent and Soft Computing, 2010, , 459-462.	0.0	1
77	In Premises Positioning " Fuzzy Logic. Lecture Notes in Computer Science, 2009, , 284-291.	1.0	1
78	Method Based on Context-Information to Improve User Experience on Mobile Web-Based Applications. Lecture Notes in Computer Science, 2012, , 732-741.	1.0	1
79	Sistema de recomendación de contenidos para libros electrónicos inteligentes [Contents recommender system for intelligent eBooks]. Ventana Informatica, 2013, , .	0.1	1
80	Integrating Activity- and Goal-Based Workflows: A Data Model Based Design Method. Lecture Notes in Business Information Processing, 2016, , 352-363.	0.0	1
81	Improving Cognitive Load on Students with Disabilities through Software Aids. , 0, , 1255-1268.		1
82	A Stock Trading Expert System Established by the CNN-GA-Based Collaborative System. International Journal of Data Warehousing and Mining, 2022, 18, 1-19.	0.6	1
83	Automatically Temporal Labeled Data Generation Using Positional Lexicon Expansion for Focus Time Estimation of News Articles. ACM Transactions on Asian and Low-Resource Language Information Processing, 2024, 23, 1-20.	2.2	1
84	MDCI: Model-driven continuous integration. Journal of Ambient Intelligence and Smart Environments, 2012, 4, 479-481.	1.6	0
85	Towards a Standard-Based Domain-Specific Platform to Describe Points of Interest. Applied Computer Science, 2015, 17, 69-78.	0.6	0
86	Guidelines for adaptive content generation for television that enhance the viewer experience. Journal of Ambient Intelligence and Smart Environments, 2018, 10, 241-242.	1.6	0
87	Propuesta para generar artefactos basados en modelos [Proposal for generation of software model-based artifacts]. Ventana Informatica, 2013, , .	0.1	0
88	Voice Application Generator Platform for Real Time Multimedia Vehicle Sensor Based Notifications. , 2018, , 593-606.		0
89	PREDICTION MODEL FOR POLLUTANTS WITH ONBOARD DIAGNOSTIC SENSORS IN VEHICLES. International Journal of Machine Learning and Networked Collaborative Engineering, 2018, 2, 48-59.	0.1	0
90	IJMLNCE Editorial Note Volume No 03, Issue No 02. International Journal of Machine Learning and Networked Collaborative Engineering, 2019, 03, 0-0.	0.1	0

#	ARTICLE	IF	CITATIONS
91	A Fundamental Overview of Different Algorithms and Performance Optimization for Swarm Intelligence. , 2020, , 1-19.		0
92	Decentralized navigation model for multiagent cooperative robotic systems. Journal of Ambient Intelligence and Smart Environments, 2020, 12, 547-548.	1.6	0
93	Forecast of Medical Costs in Health Companies Using Models Based on Advanced Analytics. Algorithms, 2022, 15, 106.	2.2	0
94	Introduction to the Special Issue of Recent Advances in Computational Linguistics for Asian Languages. ACM Transactions on Asian and Low-Resource Language Information Processing, 2023, 22, 1-5.	2.2	0
95	Impacto del Jitter en un control de formaci3n multiagente. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 0, , .	1.0	0
96	Understanding Biomedical Engineering for Quantum Computing. Advances in Bioinformatics and Biomedical Engineering Book Series, 2023, , 245-257.	0.0	0
97	Securesdp: a novel software-defined perimeter implementation for enhanced network security and scalability. International Journal of Information Security, 0, , .	3.6	0
98	Guest Editorial for the Special Issue "New Trends in Algorithms for Intelligent Recommendation Systems" Algorithms, 2024, 17, 255.	2.2	0