Juan M. Corchado

List of Publications by Year
in descending order

671 papers	12,517 citations	28274 55 h-index	58581 82 g-index
734 all docs	734 docs citations	734 times ranked	8056 citing authors

#	Article	IF	Citations
1	How blockchain improves the supply chain: case study alimentary supply chain. Procedia Computer Science, 2018, 134, 393-398.	2.0	320
2	Sentiment Analysis Based on Deep Learning: A Comparative Study. Electronics (Switzerland), 2020, 9, 483.	3.1	301
3	Fight sample degeneracy and impoverishment in particle filters: A review of intelligent approaches. Expert Systems With Applications, 2014, 41, 3944-3954.	7.6	179
4	Intelligent environment for monitoring Alzheimer patients, agent technology for health care. Decision Support Systems, 2008, 44, 382-396.	5.9	176
5	Using Heterogeneous Wireless Sensor Networks in a Telemonitoring System for Healthcare. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 234-240.	3.2	170
6	GerAmi: Improving Healthcare Delivery in Geriatric Residences. IEEE Intelligent Systems, 2008, 23, 19-25.	4.0	152
7	A review of edge computing reference architectures and a new global edge proposal. Future Generation Computer Systems, 2019, 99, 278-294.	7.5	151
8	Tendencies of Technologies and Platforms in Smart Cities: A State-of-the-Art Review. Wireless Communications and Mobile Computing, 2018, 2018, 1-17.	1.2	146
9	Can Building â€œArtificially Intelligent Citiesâ€•Safeguard Humanity from Natural Disasters, Pandemics, and Other Catastrophes? An Urban Scholarâ€™s Perspective. Sensors, 2020, 20, 2988.	3.8	119
10	Hybrid learning machines. Neurocomputing, 2009, 72, 2729-2730.	5.9	117
11	Constructing deliberative agents with case-based reasoning technology. International Journal of Intelligent Systems, 2003, 18, 1227-1241.	5.7	114
12	Intelligent system for lighting control in smart cities. Information Sciences, 2016, 372, 241-255.	6.9	113
13	Non-linear adaptive closed-loop control system for improved efficiency in IoT-blockchain management. Information Fusion, 2019, 49, 227-239.	19.1	112
14	A polarity analysis framework for Twitter messages. Applied Mathematics and Computation, 2015, 270, 756-767.	2.2	111
15	Solving multi-criteria group decision making problems under environments with a high number of alternatives using fuzzy ontologies and multi-granular linguistic modelling methods. Knowledge-Based Systems, 2017, 137, 54-64.	7.1	111
16	A Survey of Recent Advances in Particle Filters and Remaining Challenges for Multitarget Tracking. Sensors, 2017, 17, 2707.	3.8	110
17	Energy Optimization Using a Case-Based Reasoning Strategy. Sensors, 2018, 18, 865.	3.8	110
18	A new computer vision-based approach to aid the diagnosis of Parkinson's disease. Computer Methods and Programs in Biomedicine, 2016, 136, 79-88.	4.7	108

#	ARTICLE	IF	CITATIONS
19	Applying lazy learning algorithms to tackle concept drift in spam filtering. Expert Systems With Applications, 2007, 33, 36-48.	7.6	104
20	Hybrid multi-agent architecture as a real-time problem-solving model. Expert Systems With Applications, 2008, 34, 2-17.	7.6	102
21	Detection of Cattle Using Drones and Convolutional Neural Networks. Sensors, 2018, 18, 2048.	3.8	100
22	Multi-Agent Systems Applications in Energy Optimization Problems: A State-of-the-Art Review. Energies, 2018, 11, 1928.	3.1	98
23	Intelligent business processes composition based on multi-agent systems. Expert Systems With Applications, 2014, 41, 1189-1205.	7.6	96
24	Algorithm design for parallel implementation of the SMC-PHD filter. Signal Processing, 2016, 119, 115-127.	3.7	94
25	Artificial Intelligence Technologies and Related Urban Planning and Development Concepts: How Are They Perceived and Utilized in Australia?. Journal of Open Innovation: Technology, Market, and Complexity, 2020, 6, 187.	5.2	90
26	Glucocorticoid resistance in chronic diseases. Steroids, 2016, 115, 182-192.	1.8	85
27	Integrating hardware agents into an enhanced multi-agent architecture for Ambient Intelligence systems. Information Sciences, 2013, 222, 47-65.	6.9	81
28	Responsible Urban Innovation with Local Government Artificial Intelligence (AI): A Conceptual Framework and Research Agenda. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 71.	5.2	81
29	Second-order statistics analysis and comparison between arithmetic and geometric average fusion: Application to multi-sensor target tracking. Information Fusion, 2019, 51, 233-243.	19.1	80
30	Applying wearable solutions in dependent environments. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 1459-1467.	3.2	79
31	A forecasting solution to the oil spill problem based on a hybrid intelligent system. Information Sciences, 2010, 180, 2029-2043.	6.9	78
32	Green Artificial Intelligence: Towards an Efficient, Sustainable and Equitable Technology for Smart Cities and Futures. Sustainability, 2021, 13, 8952.	3.2	78
33	Distributed Continuous-Time Fault Estimation Control for Multiple Devices in IoT Networks. IEEE Access, 2019, 7, 11972-11984.	4.2	76
34	IoT network slicing on virtual layers of homogeneous data for improved algorithm operation in smart buildings. Future Generation Computer Systems, 2020, 102, 965-977.	7.5	76
35	A hybrid case-based model for forecasting. Applied Artificial Intelligence, 2001, 15, 105-127.	3.2	75
36	HYBRID NEURAL INTELLIGENT SYSTEM TO PREDICT BUSINESS FAILURE IN SMALL-TO-MEDIUM-SIZE ENTERPRISES. International Journal of Neural Systems, 2011, 21, 277-296.	5.2	75

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37	gene-CBR: A CASE-BASED REASONIG TOOL FOR CANCER DIAGNOSIS USING MICROARRAY DATA SETS. Computational Intelligence, 2006, 22, 254-268.	3.2	74
38	Agents and ambient intelligence: case studies. Journal of Ambient Intelligence and Humanized Computing, 2010, 1, 85-93.	4.9	72
39	Blockchain framework for IoT data quality via edge computing. , 2018, , .		72
40	SpamHunting: An instance-based reasoning system for spam labelling and filtering. Decision Support Systems, 2007, 43, 722-736.	5.9	70
41	An Ambient Intelligence Based Multi-Agent System for Alzheimer Health Care. International Journal of Ambient Computing and Intelligence, 2009, 1, 15-26.	1.1	68
42	FSfRT: Forecasting System for Red Tides. Applied Intelligence, 2004, 21, 251-264.	5.3	67
43	Unsupervised neural method for temperature forecasting. Advanced Engineering Informatics, 1999, 13, 351-357.	0.5	66
44	Stochastic interval-based optimal offering model for residential energy management systems by household owners. International Journal of Electrical Power and Energy Systems, 2019, 105, 201-219.	5.5	65
45	Increased performance and better patient attendance in an hospital with the use of smart agendas. Logic Journal of the IGPL, 2012, 20, 689-698.	1.5	62
46	Multi-Agent Information Fusion System to manage data from a WSN in a residential home. Information Fusion, 2015, 23, 43-57.	19.1	61
47	Joint Smoothing and Tracking Based on Continuous-Time Target Trajectory Function Fitting. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1476-1483.	5.2	61
48	Development of CBR-BDI Agents: A Tourist Guide Application. Lecture Notes in Computer Science, 2004, , 547-559.	1.3	60
49	Forecasting the probability of finding oil slicks using a CBR system. Expert Systems With Applications, 2009, 36, 8239-8246.	7.6	59
50	A game theory approach for cooperative control to improve data quality and false data detection in WSN. International Journal of Robust and Nonlinear Control, 2018, 28, 5087-5102.	3.7	59
51	Partial Consensus and Conservative Fusion of Gaussian Mixtures for Distributed PHD Fusion. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2150-2163.	4.7	59
52	Automating the construction of CBR systems using kernel methods. International Journal of Intelligent Systems, 2001, 16, 571-586.	5.7	58
53	Approximate Gaussian conjugacy: parametric recursive filtering under nonlinearity, multimodality, uncertainty, and constraint, and beyond. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 1913-1939.	2.6	58
54	Smart Helmet 5.0 for Industrial Internet of Things Using Artificial Intelligence. Sensors, 2020, 20, 6241.	3.8	58

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55	Monitoring and Detection Platform to Prevent Anomalous Situations in Home Care. Sensors, 2014, 14, 9900-9921.	3.8	57
56	An abstract architecture for virtual organizations: The THOMAS approach. Knowledge and Information Systems, 2011, 29, 379-403.	3.2	56
57	Differential Bees Flux Balance Analysis with OptKnock for In Silico Microbial Strains Optimization. PLoS ONE, 2014, 9, e102744.	2.5	56
58	Maximum Likelihood Hebbian Learning Based Retrieval Method for CBR Systems. , 2003, , 107-121.		55
59	A Comparative Performance Study of Feature Selection Methods for the Anti-spam Filtering Domain. Lecture Notes in Computer Science, 2006, , 106-120.	1.3	54
60	Machine learning techniques applied to mechanical fault diagnosis and fault prognosis in the context of real industrial manufacturing use-cases: a systematic literature review. Applied Intelligence, 2022, 52, 14246-14280.	5.3	54
61	CBR based system for forecasting red tides. Knowledge-Based Systems, 2003, 16, 321-328.	7.1	53
62	PROBA-3: Precise formation flying demonstration mission. Acta Astronautica, 2013, 82, 38-46.	3.2	53
63	Reducing the Memory Size of a Fuzzy Case-Based Reasoning System Applying Rough Set Techniques. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 138-146.	2.9	52
64	idMAS-SQL: Intrusion Detection Based on MAS to Detect and Block SQL injection through data mining. Information Sciences, 2013, 231, 15-31.	6.9	52
65	Optimal Model for Local Energy Community Scheduling Considering Peer to Peer Electricity Transactions. IEEE Access, 2021, 9, 12420-12430.	4.2	52
66	Hybrid artificial intelligence methods in oceanographic forecast models. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2002, 32, 307-313.	2.9	51
67	Resampling methods for particle filtering: identical distribution, a new method, and comparable study. Frontiers of Information Technology and Electronic Engineering, 2015, 16, 969-984.	2.6	51
68	Multi-Agent Microgrid Management System for Single-Board Computers: A Case Study on Peer-to-Peer Energy Trading. IEEE Access, 2020, 8, 64169-64183.	4.2	51
69	Social-based planning model for multiagent systems. Expert Systems With Applications, 2011, 38, 13005-13023.	7.6	50
70	REPLANNING MECHANISM FOR DELIBERATIVE AGENTS IN DYNAMIC CHANGING ENVIRONMENTS. Computational Intelligence, 2008, 24, 77-107.	3.2	49
71	Agent-based virtual organization architecture. Engineering Applications of Artificial Intelligence, 2011, 24, 895-910.	8.1	49
72	Energy Efficiency in Public Buildings through Context-Aware Social Computing. Sensors, 2017, 17, 826.	3.8	49

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73	Implementation of a Real-Time Microgrid Simulation Platform Based on Centralized and Distributed Management. Energies, 2017, 10, 806.	3.1	49
74	Optimal expansion planning considering storage investment and seasonal effect of demand and renewable generation. Renewable Energy, 2019, 138, 937-954.	8.9	49
75	Smart city as a distributed platform: Toward a system for citizen-oriented management. Computer Communications, 2020, 152, 323-332.	5.1	49
76	Model of experts for decision support in the diagnosis of leukemia patients. Artificial Intelligence in Medicine, 2009, 46, 179-200.	6.5	48
77	Grape Waste Extract Obtained by Supercritical Fluid Extraction Contains Bioactive Antioxidant Molecules and Induces Antiproliferative Effects in Human Colon Adenocarcinoma Cells. Journal of Medicinal Food, 2009, 12, 561-568.	1.5	48
78	Effectiveness of Bayesian filters: An information fusion perspective. Information Sciences, 2016, 329, 670-689.	6.9	48
79	A systematic review of gamification techniques applied to elderly care. Artificial Intelligence Review, 2020, 53, 4863-4901.	15.7	48
80	Integrating case-based planning and RPTW neural networks to construct an intelligent environment for health care. Expert Systems With Applications, 2009, 36, 5844-5858.	7.6	46
81	A multi-agent system for web-based risk management in small and medium business. Expert Systems With Applications, 2012, 39, 6921-6931.	7.6	46
82	Case based reasoning with expert system and swarm intelligence to determine energy reduction in buildings energy management. Energy and Buildings, 2017, 155, 269-281.	6.7	46
83	GreenVMAS: Virtual Organization Based Platform for Heating Greenhouses Using Waste Energy from Power Plants. Sensors, 2018, 18, 861.	3.8	45
84	Survey of agent-based cloud computing applications. Future Generation Computer Systems, 2019, 100, 223-236.	7.5	45
85	Blockchain Technology: A Review of the Current Challenges of Cryptocurrency. Advances in Intelligent Systems and Computing, 2020, , 153-160.	0.6	45
86	Case-based reasoning as a decision support system for cancer diagnosis: A case study. International Journal of Hybrid Intelligent Systems, 2009, 6, 97-110.	1.2	43
87	Implementing a hardware-embedded reactive agents platform based on a service-oriented architecture over heterogeneous wireless sensor networks. Ad Hoc Networks, 2013, 11, 151-166.	5.5	43
88	Emotions detection on an ambient intelligent system using wearable devices. Future Generation Computer Systems, 2019, 92, 479-489.	7.5	43
89	A Framework for Knowledge Discovery from Wireless Sensor Networks in Rural Environments: A Crop Irrigation Systems Case Study. Wireless Communications and Mobile Computing, 2018, 2018, 1-14.	1.2	42
90	Local-Diffusion-Based Distributed SMC-PHD Filtering Using Sensors With Limited Sensing Range. IEEE Sensors Journal, 2019, 19, 1580-1589.	4.7	42

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91	Fog computing architecture for personalized recommendation of banking products. Expert Systems With Applications, 2020, 140, 112900.	7.6	42
92	Towards Flexibility Trading at TSO-DSO-Customer Levels: A Review. Energies, 2020, 13, 165.	3.1	42
93	A CBR framework with gradient boosting based feature selection for lung cancer subtype classification. Computers in Biology and Medicine, 2017, 86, 98-106.	7.0	41
94	Two-stage stochastic model for the price-based domestic energy management problem. International Journal of Electrical Power and Energy Systems, 2019, 112, 404-416.	5.5	41
95	Deepsign: Sign Language Detection and Recognition Using Deep Learning. Electronics (Switzerland), 2022, 11, 1780.	3.1	41
96	PANGEA â€" Platform for Automatic coNstruction of orGanizations of intElligent Agents. Advances in Intelligent and Soft Computing, 2012, , 229-239.	0.2	40
97	SPADE 3: Supporting the New Generation of Multi-Agent Systems. IEEE Access, 2020, 8, 182537-182549.	4.2	40
98	SHOMAS: Intelligent guidance and suggestions in shopping centres. Applied Soft Computing Journal, 2009, 9, 851-862.	7.2	39
99	A Crowdsourcing Approach for Sustainable Last Mile Delivery. Sustainability, 2018, 10, 4563.	3.2	38
100	Mitigation of the ground reflection effect in real-time locating systems based on wireless sensor networks by using artificial neural networks. Knowledge and Information Systems, 2013, 34, 193-217.	3.2	37
101	Bladder Carcinoma Data with Clinical Risk Factors and Molecular Markers: A Cluster Analysis. BioMed Research International, 2015, 2015, 1-14.	1.9	37
102	A multi-agent system for the classification of gender and age from images. Computer Vision and Image Understanding, 2018, 172, 98-106.	4.7	37
103	Agreement Technologies for Energy Optimization at Home. Sensors, 2018, 18, 1633.	3.8	37
104	A new emotional robot assistant that facilitates human interaction and persuasion. Knowledge and Information Systems, 2019, 60, 363-383.	3.2	37
105	Agent-based architecture for demand side management using real-time resourcesâ€™ priorities and a deterministic optimization algorithm. Journal of Cleaner Production, 2019, 241, 118154.	9.3	37
106	Decision Support for Small Players Negotiations Under a Transactive Energy Framework. IEEE Transactions on Power Systems, 2019, 34, 4015-4023.	6.5	37
107	Web Traffic Time Series Forecasting Using LSTM Neural Networks with Distributed Asynchronous Training. Mathematics, 2021, 9, 421.	2.2	37
108	Knowledge Management in Organizations. Communications in Computer and Information Science, 2019, , .	0.5	36

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109	Distributed e-health wide-world accounting ledger via blockchain. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2381-2386.	1.4	36
110	Deepint.net: A Rapid Deployment Platform for Smart Territories. Sensors, 2021, 21, 236.	3.8	36
111	The THOMAS architecture in Home Care scenarios: A case study. Expert Systems With Applications, 2010, 37, 3986-3999.	7.6	35
112	Agreement technologies and their use in cloud computing environments. Progress in Artificial Intelligence, 2012, 1, 277-290.	2.4	35
113	Retweet or like? That is the question. Online Information Review, 2018, 42, 562-578.	3.2	34
114	Optimal Distribution Grid Operation Using DLMP-Based Pricing for Electric Vehicle Charging Infrastructure in a Smart City. Energies, 2019, 12, 686.	3.1	34
115	Combining case-based reasoning systems and support vector regression to evaluate the atmosphereâ€"ocean interaction. Knowledge and Information Systems, 2012, 30, 155-177.	3.2	33
116	Integration of Wearable Solutions in AAL Environments with Mobility Support. Journal of Medical Systems, 2015, 39, 184.	3.6	33
117	Clustering for filtering: Multi-object detection and estimation using multiple/massive sensors. Information Sciences, 2017, 388-389, 172-190.	6.9	33
118	Multi-source homogeneous data clustering for multi-target detection from cluttered background with misdetection. Applied Soft Computing Journal, 2017, 60, 436-446.	7.2	33
119	Machine Learning Models for Electricity Consumption Forecasting: A Review. , 2019, , .		32
120	Multi-Agent-Based CBR Recommender System for Intelligent Energy Management in Buildings. IEEE Systems Journal, 2019, 13, 1084-1095.	4.6	32
121	geneCBR: a translational tool for multiple-microarray analysis and integrative information retrieval for aiding diagnosis in cancer research. BMC Bioinformatics, 2009, 10, 187.	2.6	31
122	Hierarchical approach for coordinating energy and flexibility trading in local energy markets. Applied Energy, 2021, 302, 117575.	10.1	31
123	An execution time neural-CBR guidance assistant. Neurocomputing, 2009, 72, 2743-2753.	5.9	30
124	Ambient Agents: Embedded Agents for Remote Control and Monitoring Using the PANGEA Platform. Sensors, 2014, 14, 13955-13979.	3.8	30
125	Microgrid management system based on a multi-agent approach: An office building pilot. Measurement: Journal of the International Measurement Confederation, 2020, 154, 107427.	5.0	30
126	Mathematical model for dynamic case-based planning. International Journal of Computer Mathematics, 2009, 86, 1719-1730.	1.8	29

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127	People detection and stereoscopic analysis using MAS. , 2010, , .		29
128	S-MAS: An adaptive hierarchical distributed multi-agent architecture for blocking malicious SOAP messages within Web Services environments. Expert Systems With Applications, 2011, 38, 5486-5499.	7.6	29
129	Biomedic Organizations: An intelligent dynamic architecture for KDD. Information Sciences, 2013, 224, 49-61.	6.9	29
130	Fault-Tolerant Temperature Control Algorithm for IoT Networks in Smart Buildings. Energies, 2018, 11, 3430.	3.1	29
131	Decentralised flexibility management for EVs. IET Renewable Power Generation, 2019, 13, 952-960.	3.1	29
132	A comparison of Kernel methods for instantiating case based reasoning systems. Advanced Engineering Informatics, 2002, 16, 165-178.	8.0	28
133	An enhanced scatter search with combined opposition-based learning for parameter estimation in large-scale kinetic models of biochemical systems. Engineering Applications of Artificial Intelligence, 2017, 62, 164-180.	8.1	28
134	Convergence of Distributed Flooding and Its Application for Distributed Bayesian Filtering. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 580-591.	2.8	28
135	A Framework to Improve Energy Efficient Behaviour at Home through Activity and Context Monitoring. Sensors, 2017, 17, 1749.	3.8	28
136	Visual content-based web page categorization with deep transfer learning and metric learning. Neurocomputing, 2019, 338, 418-431.	5.9	28
137	Edge Computing Architectures in Industry 4.0: A General Survey and Comparison. Advances in Intelligent Systems and Computing, 2020, , 121-131.	0.6	28
138	FUSION@, A SOA-Based Multi-agent Architecture. Advances in Soft Computing, 2009, , 99-107.	0.4	28
139	A low-level resource allocation in an agent-based Cloud Computing platform. Applied Soft Computing Journal, 2016, 48, 716-728.	7.2	27
140	Computational Intelligence-Based Demand Response Management in a Microgrid. IEEE Transactions on Industry Applications, 2019, 55, 732-740.	4.9	27
141	Two-stage mechanism design for energy trading of strategic agents in energy communities. Applied Energy, 2021, 295, 117036.	10.1	27
142	Agents and Computer Vision for Processing Stereoscopic Images. Lecture Notes in Computer Science, 2010, , 93-100.	1.3	27
143	An IoT and Fog Computing-Based Monitoring System for Cardiovascular Patients with Automatic ECG Classification Using Deep Neural Networks. Sensors, 2020, 20, 7353.	3.8	27
144	An execution time planner for the ARTIS agent architecture. Engineering Applications of Artificial Intelligence, 2008, 21, 769-784.	8.1	26

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145	Assessing the operating reserves and costs with considering customer choice and wind power uncertainty in pool-based power market. International Journal of Electrical Power and Energy Systems, 2015, 67, 202-215.	5.5	26
146	Legal Aspects and Emerging Risks in the Use of Smart Contracts Based on Blockchain. Communications in Computer and Information Science, 2019, , 525-535.	0.5	26
147	A contemporary Colombian skeletal reference collection: A resource for the development of population specific standards. Forensic Science International, 2016, 266, 577.e1-577.e4.	2.2	25
148	Generation of realistic scenarios for multi-agent simulation of electricity markets. Energy, 2016, 116, 128-139.	8.8	25
149	Kinematics and Forces to a New Model Forging Manipulator. American Journal of Applied Sciences, 2017, 14, 60-80.	0.2	25
150	Smart Contract for Monitoring and Control of Logistics Activities: Pharmaceutical Utilities Case Study. Advances in Intelligent Systems and Computing, 2019, , 509-517.	0.6	25
151	Blockchain Technology in IoT Systems: Review of the Challenges. Annals of Emerging Technologies in Computing, 2019, 3, 17-24.	1.3	25
152	A framework for participation of prosumers in peer-to-peer energy trading and flexibility markets. Applied Energy, 2022, 314, 118907.	10.1	25
153	IMT504, the Prototype of the Immunostimulatory Oligonucleotides of the PyNTTTTGT Class, Increases the Number of Progenitors of Mesenchymal Stem Cells Both In Vitro and In Vivo: Potential Use in Tissue Repair Therapy. Stem Cells, 2007, 25, 1047-1054.	3.2	24
154	Introducing a Distributed Architecture for Heterogeneous Wireless Sensor Networks. Lecture Notes in Computer Science, 2009, , 116-123.	1.3	24
155	On generalized covariance intersection for distributed PHD filtering and a simple but better alternative. , 2017, , .		24
156	A Robust Multi-Sensor PHD Filter Based on Multi-Sensor Measurement Clustering. IEEE Communications Letters, 2018, 22, 2064-2067.	4.1	24
157	Blockchain-Based Architecture: A MAS Proposal for Efficient Agri-Food Supply Chains. Advances in Intelligent Systems and Computing, 2020, , 89-96.	0.6	24
158	An Efficient Management Platform for Developing Smart Cities: Solution for Real-Time and Future Crowd Detection. Electronics (Switzerland), 2021, 10, 765.	3.1	24
159	A Reasoning Model for CBR_BDI Agents Using an Adaptable Fuzzy Inference System. Lecture Notes in Computer Science, 2004, , 96-106.	1.3	24
160	Food restriction, ghrelin, its antagonist and obestatin control expression of ghrelin and its receptor in chicken hypothalamus and ovary. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 164, 141-153.	1.8	23
161	Identification of informative genes and pathways using an improved penalized support vector machine with a weighting scheme. Computers in Biology and Medicine, 2016, 77, 102-115.	7.0	23
162	Organization-based Multi-Agent structure of the Smart Home Electricity System. , 2017, , .		23

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163	Blockchain for Democratic Voting: How Blockchain Could Cast oï¬€ Voter Fraud. Oriental Journal of Computer Science and Technology, 2018, 11, 01-03.	0.3	23
164	Social computing in currency exchange. Knowledge and Information Systems, 2019, 61, 733-753.	3.2	22
165	Case-Based Reasoning Applied to Medical Diagnosis and Treatment. Advances in Intelligent Systems and Computing, 2013, , 137-146.	0.6	22
166	Does Android Dream with Intelligent Agents?. Advances in Soft Computing, 2009, , 194-204.	0.4	22
167	Pendulous *Usnea* species (*Parmeliaceae*, lichenized Ascomycota) in tropical South America and the Galapagos. Lichenologist, 2013, 45, 505-543.	0.8	21
168	A novel stochastic reserve cost allocation approach of electricity market agents in the restructured power systems. Electric Power Systems Research, 2017, 152, 223-236.	3.6	21
169	An Optimization Model for Energy Community Costs Minimization Considering a Local Electricity Market between Prosumers and Electric Vehicles. Electronics (Switzerland), 2021, 10, 129.	3.1	21
170	An Open Architecture for Service-Oriented Virtual Organizations. Lecture Notes in Computer Science, 2010, , 118-132.	1.3	21
171	Unsupervised learning for financial forecasting. , 0, , .		20
172	Oligonucleotide IMT504 reduces neuropathic pain after peripheral nerve injury. Neuroscience Letters, 2008, 444, 69-73.	2.1	20
173	Model for assigning roles automatically in egovernment virtual organizations. Expert Systems With Applications, 2012, 39, 10389-10401.	7.6	20
174	A Multiagent System for Resource Distribution into a Cloud Computing Environment. Lecture Notes in Computer Science, 2013, , 37-48.	1.3	20
175	An Agent-Based Clustering Approach for Gene Selection in Gene Expression Microarray. Interdisciplinary Sciences, Computational Life Sciences, 2017, 9, 1-13.	3.6	20
176	Designing a goal-oriented smart-home environment. Information Systems Frontiers, 2018, 20, 125-142.	6.4	20
177	The Use of Drones in Spain: Towards a Platform for Controlling UAVs in Urban Environments. Sensors, 2018, 18, 1416.	3.8	20
178	Monopolistic and Game-Based Approaches to Transact Energy Flexibility. IEEE Transactions on Power Systems, 2020, 35, 1075-1084.	6.5	20
179	Multi-agent neural business control system. Information Sciences, 2010, 180, 911-927.	6.9	19
180	Hybridizing metric learning and case-based reasoning for adaptable clickbait detection. Applied Intelligence, 2018, 48, 2967-2982.	5.3	19

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181	Multi-Agent Decision Support Tool to Enable Interoperability among Heterogeneous Energy Systems. Applied Sciences (Switzerland), 2018, 8, 328.	2.5	19
182	An Ising Spin-Based Model to Explore Efficient Flexibility in Distributed Power Systems. Complexity, 2018, 2018, 1-16.	1.6	19
183	Use of Gamification Techniques to Encourage Garbage Recycling. A Smart City Approach. Communications in Computer and Information Science, 2018, , 674-685.	0.5	19
184	Imtidad: A Reference Architecture and a Case Study on Developing Distributed AI Services for Skin Disease Diagnosis over Cloud, Fog and Edge. Sensors, 2022, 22, 1854.	3.8	19
185	JGOMAS: New Approach to AI Teaching. IEEE Transactions on Education, 2009, 52, 228-235.	2.4	18
186	How Blockchain Could Improve Fraud Detection in Power Distribution Grid. Advances in Intelligent Systems and Computing, 2019, , 67-76.	0.6	18
187	Self-Organizing Architecture for Information Fusion in Distributed Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 231073.	2.2	18
188	Swarm Agent-Based Architecture Suitable for Internet of Things and Smartcities. Advances in Intelligent Systems and Computing, 2015, , 21-29.	0.6	17
189	Smart feeding in farming through IoT in silos. Advances in Intelligent Systems and Computing, 2016, , 355-366.	0.6	17
190	Multi-EAP: Extended EAP for multi-estimate extraction for SMC-PHD filter. Chinese Journal of Aeronautics, 2017, 30, 368-379.	5.3	17
191	Something about the Balancing of Thermal Motors. American Journal of Engineering and Applied Sciences, 2017, 10, 200-217.	0.6	17
192	Context aware Q-Learning-based model for decision support in the negotiation of energy contracts. International Journal of Electrical Power and Energy Systems, 2019, 104, 489-501.	5.5	17
193	An evolutionary framework for machine learning applied to medical data. Knowledge-Based Systems, 2019, 185, 104982.	7.1	17
194	A Predictive Maintenance Model Using Recurrent Neural Networks. Advances in Intelligent Systems and Computing, 2020, , 261-270.	0.6	17
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