Sara Rodriguez

List of Publications by Year
in descending order

154 papers	2,113 citations	249298 26 h-index	299063 42 g-index
167 all docs	167 docs citations	167 times ranked	1699 citing authors

#	Article	IF	Citations
1	Distributed Decision Blockchain-Secured Support System to Enhance Stock Market Investment Process. Lecture Notes in Networks and Systems, 2022, , 48-60.	0.5	0
2	Reality-Virtuality Technologies in the Field of Materials Science and Engineering. Applied Sciences (Switzerland), 2022, 12, 4968.	1.3	3
3	Deepint.net: A Rapid Deployment Platform for Smart Territories. Sensors, 2021, 21, 236.	2.1	36
4	Transfer Learning for Arthropodous Identification and its Use in the Transmitted Disease Diagnostic. Communications in Computer and Information Science, 2021, , 253-260.	0.4	1
5	A Data Mining and Analysis Platform for Investment Recommendations. Electronics (Switzerland), 2021, 10, 859.	1.8	8
6	On the Synergy between Virtual Reality and Multi-Agent Systems. Sustainability, 2021, 13, 4326.	1.6	5
7	BeSafe B2.0 Smart Multisensory Platform for Safety in Workplaces. Sensors, 2021, 21, 3372.	2.1	10
8	CEBRA: A CasE-Based Reasoning Application to recommend banking products. Engineering Applications of Artificial Intelligence, 2021, 104, 104327.	4.3	10
9	A Review on Deep Reinforcement Learning for the management of SDN and NFV in Edge-IoT. , 2021, , .		5
10	Cooperative Algorithm to Improve Temperature Control in Recovery Unit of Healthcare Facilities. Advances in Intelligent Systems and Computing, 2020, , 49-62.	0.5	8
11	Fog computing architecture for personalized recommendation of banking products. Expert Systems With Applications, 2020, 140, 112900.	4.4	42
12	A Review on Edge Computing in Smart Energy by means of a Systematic Mapping Study. Electronics (Switzerland), 2020, 9, 48.	1.8	32
13	An intelligent Edge-IoT platform for monitoring livestock and crops in a dairy farming scenario. Ad Hoc Networks, 2020, 98, 102047.	3.4	168
14	An Intelligent Approach to Allocating Resources within an Agent-Based Cloud Computing Platform. Applied Sciences (Switzerland), 2020, 10, 4361.	1.3	5
15	Automatic image analyser to assess retinal vessel calibre (ALTAIR). A new tool to evaluate the thickness, area and length of the vessels of the retina. International Journal of Medical Informatics, 2020, 136, 104090.	1.6	10
16	Edge Computing Driven Smart Personal Protective System Deployed on NVIDIA Jetson and Integrated with ROS. Communications in Computer and Information Science, 2020, , 385-393.	0.4	2
17	An Investment Recommender Multi-agent System in Financial Technology. Advances in Intelligent Systems and Computing, 2019, , 3-10.	0.5	1
18	MASPI: A Multi Agent System for Prediction in Industry 4.0 Environment. Advances in Intelligent Systems and Computing, 2019, , 197-206.	0.5	1

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19	Smart System for the Retrieval of Digital Educational Content. Applied Sciences (Switzerland), 2019, 9, 4400.	1.3	0
20	Edge Computing, IoT and Social Computing in Smart Energy Scenarios. Sensors, 2019, 19, 3353.	2.1	75
21	A Survey on Software-Defined Networks and Edge Computing over IoT. Communications in Computer and Information Science, 2019, , 289-301.	0.4	10
22	A review of edge computing reference architectures and a new global edge proposal. Future Generation Computer Systems, 2019, 99, 278-294.	4.9	151
23	Survey of agent-based cloud computing applications. Future Generation Computer Systems, 2019, 100, 223-236.	4.9	45
24	Virtual Organization for Fintech Management. Advances in Intelligent Systems and Computing, 2019, , 201-210.	0.5	2
25	Relationship recommender system in a business and employment-oriented social network. Information Sciences, 2018, 433-434, 204-220.	4.0	58
26	Information Extraction from Retinal Images with Agent-Based Technology. Processes, 2018, 6, 254.	1.3	2
27	Encouraging the Recycling Process of Urban Waste by Means of Game Theory Techniques Using a Multi-agent Architecture. Lecture Notes in Computer Science, 2018, , 120-131.	1.0	2
28	Social computing for image matching. PLoS ONE, 2018, 13, e0197576.	1.1	7
29	Sensoring a Generative System to Create User-Controlled Melodies. Sensors, 2018, 18, 3201.	2.1	1
30	Classification of retinal vessels using a collaborative agent-based architecture. AI Communications, 2018, 31, 427-444.	0.8	15
31	Tendencies of Technologies and Platforms in Smart Cities: A State-of-the-Art Review. Wireless Communications and Mobile Computing, 2018, 2018, 1-17.	0.8	146
32	Reuse of Waste Energy from Power Plants in Greenhouses through MAS-Based Architecture. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	0.8	7
33	How to Create an Adaptive Learning Environment by Means of Virtual Organizations. Communications in Computer and Information Science, 2018, , 199-212.	0.4	2
34	A Hash Based Image Matching Algorithm for Social Networks. Advances in Intelligent Systems and Computing, 2018, , 183-190.	0.5	21
35	Pattern Extraction for the Design of Predictive Models in Industry 4.0. Advances in Intelligent Systems and Computing, 2018, , 258-261.	0.5	8
36	Human-Computer Interaction in Currency Exchange. Communications in Computer and Information Science, 2018, , 390-400.	0.4	2

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37	Machine Learning Predictive Model for Industry 4.0. Communications in Computer and Information Science, 2018, , 501-510.	0.4	42
38	Use of Gamification Techniques to Encourage Garbage Recycling. A Smart City Approach. Communications in Computer and Information Science, 2018, , 674-685.	0.4	19
39	MAS-based self-adaptive architecture for controlling and monitoring Cloud platforms. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 213-221.	3.3	13
40	Image Matching Algorithm Based on Hashes Extraction. Lecture Notes in Computer Science, 2017, , 87-94.	1.0	3
41	An agent-based Internet of Things platform for distributed real time machine control. , 2017, , .		4
42	A Serious Game to Reduce Consumption in Smart Buildings. Communications in Computer and Information Science, 2017, , 481-493.	0.4	19
43	Social Simulations Through an Agent-Based Platform, Location Data and 3D Models. Understanding Complex Systems, 2017, , 99-120.	0.3	1
44	Dynamic Monitoring in PANGEA Platform Using Event-Tracing Mechanisms. Computing and Informatics, 2017, 36, 1019-1040.	0.4	0
45	A User Controlled System for the Generation of Melodies Applying Case Based Reasoning. Lecture Notes in Computer Science, 2017, , 242-256.	1.0	2
46	Software Agents in Retinal Vessels Classification. Lecture Notes in Computer Science, 2017, , 509-523.	1.0	0
47	A low-level resource allocation in an agent-based Cloud Computing platform. Applied Soft Computing Journal, 2016, 48, 716-728.	4.1	27
48	Intelligent system for lighting control in smart cities. Information Sciences, 2016, 372, 241-255.	4.0	113
49	Smart Cities Simulation Environment for Intelligent Algorithms Evaluation. Advances in Intelligent Systems and Computing, 2016, , 177-187.	0.5	2
50	Improvement in the distribution of services in multi-agent systems with SCODA. Advances in Distributed Computing and Artificial Intelligence Journal, 2016, 4, 31-46.	1.1	4
51	Real-time agreement and fulfilment of SLAs in Cloud Computing environments. AI Communications, 2015, 28, 403-426.	0.8	3
52	Multi-agent System for Tracking and Classification of Moving Objects. Advances in Intelligent Systems and Computing, 2015, , 63-74.	0.5	0
53	Infrastructure to simulate intelligent agents in cloud environments. Journal of Intelligent and Fuzzy Systems, 2015, 28, 29-41.	0.8	11
54	Multi-Agent Information Fusion System to manage data from a WSN in a residential home. Information Fusion, 2015, 23, 43-57.	11.7	61

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55	On the Bias of the SIR Filter in Parameter Estimation of the Dynamics Process of State Space Models. Advances in Intelligent Systems and Computing, 2015, , 87-95.	0.5	1
56	An Integrated System for Helping Disabled and Dependent People: AGALZ, AZTECA, and MOVI-MAS Projects. Advances in Intelligent Systems and Computing, 2015, , 3-24.	0.5	2
57	Validation of the automatic image analyser to assess retinal vessel calibre (*ALTAIR*): a prospective study protocol. BMJ Open, 2014, 4, e006144.	0.8	2
58	Multi-agent Technology to Perform Odor Classification. Advances in Intelligent Systems and Computing, 2014, , 241-252.	0.5	6
59	Easy Development and Use of Dialogue Services. Advances in Intelligent Systems and Computing, 2014, , 81-88.	0.5	1
60	Improving Intelligent Systems: Specialization. Communications in Computer and Information Science, 2014, , 378-385.	0.4	6
61	+Cloud: A Virtual Organization of Multiagent System for Resource Allocation into a Cloud Computing Environment. Lecture Notes in Computer Science, 2014, , 164-181.	1.0	4
62	Development of Electrolarynx by Multi-agent Technology and Mobile Devices for Prosody Control. Communications in Computer and Information Science, 2014, , 54-65.	0.4	0
63	+Cloud: A Virtual Organization of Multiagent System for Resource Allocation into a Cloud Computing Environment. Lecture Notes in Computer Science, 2014, , 164-181.	1.0	1
64	Intelligent Lighting Control System. Advances in Intelligent Systems and Computing, 2014, , 195-207.	0.5	0
65	A Multiagent System for Resource Distribution into a Cloud Computing Environment. Lecture Notes in Computer Science, 2013, , 37-48.	1.0	20
66	Distributed Computing and Artificial Intelligence. Advances in Intelligent Systems and Computing, 2013, , .	0.5	5
67	Integrating hardware agents into an enhanced multi-agent architecture for Ambient Intelligence systems. Information Sciences, 2013, 222, 47-65.	4.0	81
68	Personalization of the Workplace through a Proximity Detection System Using User Profiles. International Journal of Distributed Sensor Networks, 2013, 9, 281625.	1.3	1
69	Practical Applications of Virtual Organizations and Agent Technology. Communications in Computer and Information Science, 2013, , 17-23.	0.4	1
70	Learning object retrieval in heterogeneous environments. International Journal of Web Engineering and Technology, 2013, 8, 197.	0.1	4
71	Case-Based Reasoning Applied to Medical Diagnosis and Treatment. Advances in Intelligent Systems and Computing, 2013, , 137-146.	0.5	22
72	A Gateway Protocol Based on FIPA-ACL for the New Agent Platform PANGEA. Advances in Intelligent Systems and Computing, 2013, , 41-51.	0.5	13

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73	Personalization of the Workplace through a Proximity Detection System Using User's Profiles. Advances in Intelligent Systems and Computing, 2013, , 505-513.	0.5	0
74	Altair: Automatic Image Analyzer to Assess Retinal Vessel Caliber. Advances in Intelligent Systems and Computing, 2013, , 429-438.	0.5	1
75	Data integration in Cloud Computing environment. , 2013, , .		0
76	Integral Multi-agent Model Recommendation of Learning Objects, for Students and Teachers. Advances in Intelligent Systems and Computing, 2013, , 127-134.	0.5	1
77	CBR Proposal for Personalizing Educational Content. Advances in Intelligent and Soft Computing, 2012, , 115-123.	0.2	2
78	Platform for building large-scale agent-based systems. , 2012, , .		8
79	Agreement technologies and their use in cloud computing environments. Progress in Artificial Intelligence, 2012, 1, 277-290.	1.5	35
80	Ambient intelligence and collaborative e-learning: a new definition model. Journal of Ambient Intelligence and Humanized Computing, 2012, 3, 239-247.	3.3	14
81	Distributed Computing and Artificial Intelligence. Advances in Intelligent and Soft Computing, 2012, , .	0.2	1
82	Temporal bounded reasoning in a dynamic case based planning agent for industrial environments. Expert Systems With Applications, 2012, 39, 7887-7894.	4.4	7
83	Stereo Video Surveillance Multi-agent System: New Solutions for Human Motion Analysis. Journal of Mathematical Imaging and Vision, 2012, 42, 176-195.	0.8	8
84	Combining case-based reasoning systems and support vector regression to evaluate the atmosphere–ocean interaction. Knowledge and Information Systems, 2012, 30, 155-177.	2.1	33
85	M-Learning for Elderlies: A Case Study. Advances in Intelligent and Soft Computing, 2012, , 637-645.	0.2	4
86	Proximity Detection Prototype Adapted to a Work Environment. Advances in Intelligent and Soft Computing, 2012, , 51-58.	0.2	4
87	Menu Navigation in Mobile Devices Using the Accelerometer. Advances in Intelligent and Soft Computing, 2012, , 133-140.	0.2	2
88	Evaluation of Labor Units of Competency: Facilitating Integration of Disabled People. Advances in Intelligent and Soft Computing, 2012, , 281-288.	0.2	0
89	Intelligent Recovery Architecture for Personalized Educational Content. Advances in Intelligent and Soft Computing, 2012, , 85-93.	0.2	1
90	Simulation and Analysis of Virtual Organizations of Agents. Advances in Intelligent and Soft Computing, 2012, , 65-74.	0.2	0

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91	Visualization of Agents and Their Interaction within Dynamic Environments. Advances in Intelligent Systems and Computing, 2012, , 15-24.	0.5	0
92	Genetic Evaluation of the Class III Dentofacial in Rural and Urban Spanish Population by AI Techniques. Advances in Intelligent and Soft Computing, 2012, , 411-419.	0.2	2
93	Integration of a Proximity Detection Prototype into a VO Developed with PANGEA. Advances in Intelligent Systems and Computing, 2012, , 197-204.	0.5	1
94	Educational content retrieval based on semantic Web services. , 2011, , .		0
95	Multiagent systems and self-organizative virtual organizations, a step ahead in adaptive MAS. , 2011, , .		1
96	An adaptive algorithm for feature selection in pattern recognition. International Journal of Computer Mathematics, 2011, 88, 1932-1940.	1.0	1
97	Automatic Learning Object Extraction and Classification in Heterogeneous Environments. Advances in Intelligent and Soft Computing, 2011, , 109-116.	0.2	17
98	Agent-based virtual organization architecture. Engineering Applications of Artificial Intelligence, 2011, 24, 895-910.	4.3	49
99	A SomAgent statistical machine translation. Applied Soft Computing Journal, 2011, 11, 2925-2933.	4.1	4
100	Social-based planning model for multiagent systems. Expert Systems With Applications, 2011, 38, 13005-13023.	4.4	50
101	A new clustering algorithm applying a hierarchical method neural network. Logic Journal of the IGPL, 2011, 19, 304-314.	1.3	10
102	MISIA: Middleware Infrastructure to Simulate Intelligent Agents. Advances in Intelligent and Soft Computing, 2011, , 107-116.	0.2	22
103	Applying HoCCAC to Plan Task the COPD Patient: A Case Study. Advances in Intelligent and Soft Computing, 2011, , 77-84.	0.2	0
104	Image Processing to Detect and Classify Situations and States of Elderly People. Advances in Intelligent and Soft Computing, 2011, , 163-172.	0.2	1
105	Improving a Telemonitoring System Based on Heterogeneous Sensor Networks. Lecture Notes in Computer Science, 2011, , 661-668.	1.0	0
106	Multiagent-Based Middleware for the Agents' Behavior Simulation. Lecture Notes in Computer Science, 2011, , 629-636.	1.0	0
107	Providing home care using context-aware agents. International Journal of Reasoning-based Intelligent Systems, 2010, 2, 125.	0.1	1
108	Applying a service-oriented approach for developing a distributed multi-agent system for healthcare. International Journal of Computer Applications in Technology, 2010, 39, 234.	0.3	3

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109	Intelligent context-based information fusion system in health care: Helping people live healthier. , 2010, , .		2
110	Wireless Sensor Networks for data acquisition and information fusion: A case study. , 2010, , .		3
111	Multi-agent system to monitor oceanic environments. Integrated Computer-Aided Engineering, 2010, 17, 131-144.	2.5	28
112	Cloud Computing Integrated into Service-Oriented Multi-Agent Architecture. International Federation for Information Processing, 2010, , 251-259.	0.4	29
113	Embedding reactive hardware agents into heterogeneous sensor networks. , 2010, , .		5
114	Hybrid Dynamic Planning Mechanism for Virtual Organizations. Advances in Intelligent and Soft Computing, 2010, , 19-26.	0.2	0
115	Context-Aware Agents for People Detection and Stereoscopic Analysis. Advances in Intelligent and Soft Computing, 2010, , 173-181.	0.2	0
116	People detection and stereoscopic analysis using MAS. , 2010, , .		29
117	SYLPH: An Ambient Intelligence based platform for integrating heterogeneous Wireless Sensor Networks. , 2010, , .		11
118	Agents and Computer Vision for Processing Stereoscopic Images. Lecture Notes in Computer Science, 2010, , 93-100.	1.0	27
119	Computational Intelligence Techniques for Classification in Microarray Analysis. Studies in Computational Intelligence, 2010, , 289-312.	0.7	1
120	Trends on the Development of Adaptive Virtual Organizations. Advances in Intelligent and Soft Computing, 2010, , 113-121.	0.2	1
121	Otoliths Identifiers Using Image Contours EFD. Advances in Intelligent and Soft Computing, 2010, , 9-16.	0.2	7
122	Open MAS Architecture. Providing Real Time Solutions. Advances in Intelligent and Soft Computing, 2010, , 69-76.	0.2	0
123	Enhanced Self Organized Dynamic Tree Neural Network. Lecture Notes in Computer Science, 2010, , 85-92.	1.0	0
124	Ambient Intelligence Application Scenario for Collaborative e-Learning. Lecture Notes in Computer Science, 2010, , 407-416.	1.0	0
125	OVACARE: A Multi-Agent System for Assistance and Health Care. Lecture Notes in Computer Science, 2010, , 318-327.	1.0	3
126	Market Stock Decisions Based on Morphological Filtering. Advances in Intelligent and Soft Computing, 2010, , 435-439.	0.2	0

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127	Temporal Bounded Planner Agent for Dynamic Industrial Environments. Lecture Notes in Computer Science, 2010, , 556-565.	1.0	0
128	Statistical Machine Translation Using the Self-Organizing Map. Advances in Intelligent and Soft Computing, 2010, , 131-138.	0.2	0
129	Self-adaptive Coordination for Organizations of Agents in Information Fusion Environments. Lecture Notes in Computer Science, 2010, , 444-451.	1.0	5
130	Stereo-MAS: Multi-Agent System for Image Stereo Processing. Lecture Notes in Computer Science, 2009, , 1256-1263.	1.0	4
131	An execution time neural-CBR guidance assistant. Neurocomputing, 2009, 72, 2743-2753.	3.5	30
132	Model of experts for decision support in the diagnosis of leukemia patients. Artificial Intelligence in Medicine, 2009, 46, 179-200.	3.8	48
133	SHOMAS: Intelligent guidance and suggestions in shopping centres. Applied Soft Computing Journal, 2009, 9, 851-862.	4.1	39
134	Mathematical model for dynamic case-based planning. International Journal of Computer Mathematics, 2009, 86, 1719-1730.	1.0	29
135	Applying CBR Systems to Micro Array Data Classification. Advances in Soft Computing, 2009, , 102-111.	0.4	3
136	FUSION@, A SOA-Based Multi-agent Architecture. Advances in Soft Computing, 2009, , 99-107.	0.4	28
137	Multiagent Systems in Expression Analysis. Advances in Intelligent and Soft Computing, 2009, , 217-226.	0.2	2
138	Agents in Home Care: A Case Study. Lecture Notes in Computer Science, 2009, , 1-8.	1.0	6
139	Wireless Sensor Networks in Home Care. Lecture Notes in Computer Science, 2009, , 1106-1112.	1.0	5
140	OSM: A Multi-Agent System for Modeling and Monitoring the Evolution of Oil Slicks in Open Oceans. , 2009, , 91-117.		4
141	CBR System with Reinforce in the Revision Phase for the Classification of CLL Leukemia. Lecture Notes in Computer Science, 2009, , 964-971.	1.0	0
142	A THOMAS based multi-agent system for recommendations and guidance in malls. Journal of Physical Agents, 2009, 3, 21-26.	0.3	2
143	A hybrid agent-based classification mechanism to detect denial of service attacks. Journal of Physical Agents, 2009, 3, 11-18.	0.3	3
144	Self Organized Dynamic Tree Neural Network. Lecture Notes in Computer Science, 2009, , 220-227.	1.0	1

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145	A Multi-agent System to Learn from Oceanic Satellite Image Data. Lecture Notes in Computer Science, 2009, , 727-734.	1.0	0
146	CBR System for Diagnosis of Patients. , 2008, , .		1
147	Multiagent System For Management And Monitoring Of Surveillance Routes. IEEE Latin America Transactions, 2008, 6, 494-499.	1.2	0
148	Multi-agent System for Management and Monitoring of Routes Surveillance. Lecture Notes in Computer Science, 2008, , 38-45.	1.0	3
149	Nature-Inspired Planner Agent for Health Care. Lecture Notes in Computer Science, 2007, , 1090-1097.	1.0	4
150	Context Aware Hybrid Agents on Automated Dynamic Environments. Advances in Intelligent and Soft Computing, 2007, , 25-32.	0.2	1
151	Hybrid Architecture for a Reasoning Planner Agent. Lecture Notes in Computer Science, 2007, , 461-468.	1.0	4
152	Autonomous FYDPS Neural Network-Based Planner Agent for Health Care in Geriatric Residences. Advances in Intelligent and Soft Computing, 2007, , 377-384.	0.2	0
153	Hybrid Agents Based Architecture on Automated Dynamic Environments. Lecture Notes in Computer Science, 2007, , 453-460.	1.0	2
154	Intelligent Guidance and Suggestions Using Case-Based Planning. Lecture Notes in Computer Science, 2007, , 389-403.	1.0	9