

Natalia Daz-Rodrguez

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

1,758
citations

12
h-index

34
g-index

34
ext. papers

2,988
ext. citations

5.3
avg, IF

5.35
L-index

#	Paper	IF	Citations
30	Explainable Artificial Intelligence (XAI): Concepts, taxonomies, opportunities and challenges toward responsible AI. <i>Information Fusion</i> , 2020 , 58, 82-115	16.7	1210
29	A survey on ontologies for human behavior recognition. <i>ACM Computing Surveys</i> , 2014 , 46, 1-33	13.4	93
28	A fuzzy ontology for semantic modelling and recognition of human behaviour. <i>Knowledge-Based Systems</i> , 2014 , 66, 46-60	7.3	75
27	Continual learning for robotics: Definition, framework, learning strategies, opportunities and challenges. <i>Information Fusion</i> , 2020 , 58, 52-68	16.7	73
26	State representation learning for control: An overview. <i>Neural Networks</i> , 2018 , 108, 379-392	9.1	63
25	Explainability in deep reinforcement learning. <i>Knowledge-Based Systems</i> , 2021 , 214, 106685	7.3	38
24	Physical activity among children: objective measurements using Fitbit One and ActiGraph. <i>BMC Research Notes</i> , 2017 , 10, 161	2.3	27
23	Handling real-world context awareness, uncertainty and vagueness in real-time human activity tracking and recognition with a fuzzy ontology-based hybrid method. <i>Sensors</i> , 2014 , 14, 18131-71	3.8	21
22	Open-Ended Learning: A Conceptual Framework Based on Representational Redescription. <i>Frontiers in Neurorobotics</i> , 2018 , 12, 59	3.4	21
21	Validation Techniques for Sensor Data in Mobile Health Applications. <i>Journal of Sensors</i> , 2016 , 2016, 1-9	2	19
20	Information fusion as an integrative cross-cutting enabler to achieve robust, explainable, and trustworthy medical artificial intelligence. <i>Information Fusion</i> , 2022 , 79, 263-278	16.7	15
19	Understanding Movement and Interaction: An Ontology for Kinect-Based 3D Depth Sensors. <i>Lecture Notes in Computer Science</i> , 2013 , 254-261	0.9	14
18	A semantic security framework and context-aware role-based access control ontology for smart spaces 2016 ,		12
17	Human-Centered Artificial Intelligence for Designing Accessible Cultural Heritage. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 870	2.6	10
16	A Framework for Context-Aware Applications for Smart Spaces. <i>Lecture Notes in Computer Science</i> , 2011 , 14-25	0.9	9
15	Intelligent drone navigation for search and rescue operations 2016 ,		7
14	Registered Nurses' Experiences with the Medication Administration Process. <i>Advances in Nursing</i> , 2015 , 2015, 1-10		6

13	A Framework for Context-Aware Applications for Smart Spaces 2011 ,		6
12	Accessible Cultural Heritage through Explainable Artificial Intelligence 2020 ,		6
11	Interdisciplinary Research in Artificial Intelligence: Challenges and Opportunities. <i>Frontiers in Big Data</i> , 2020 , 3, 577974	2.8	6
10	Unsupervised understanding of location and illumination changes in egocentric videos. <i>Pervasive and Mobile Computing</i> , 2017 , 40, 414-429	3.5	4
9	EXplainable Neural-Symbolic Learning (X-NeSyL) methodology to fuse deep learning representations with expert knowledge graphs: The MonuMAI cultural heritage use case. <i>Information Fusion</i> , 2022 , 79, 58-83	16.7	4
8	An Ontology for Wearables Data Interoperability and Ambient Assisted Living Application Development. <i>Studies in Fuzziness and Soft Computing</i> , 2018 , 559-568	0.7	3
7	Extending Semantic Web Tools for Improving Smart Spaces Interoperability and Usability. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 45-52	0.4	3
6	Datil: Learning Fuzzy Ontology Datatypes. <i>Communications in Computer and Information Science</i> , 2018 , 100-112	0.3	3
5	An approach to improve semantics in Smart Spaces using reactive fuzzy rules 2013 ,		2
4	RDF Stores for Enhanced Living Environments: An Overview. <i>Lecture Notes in Computer Science</i> , 2019 , 19-52	0.9	2
3	Extending Knowledge Graphs with Subjective Influence Networks for Personalized Fashion. <i>Studies in Systems, Decision and Control</i> , 2019 , 203-233	0.8	2
2	Deep unsupervised state representation learning with robotic priors: a robustness analysis 2019 ,		1
1	Demonstration Guided Actor-Critic Deep Reinforcement Learning for Fast Teaching of Robots in Dynamic Environments. <i>IFAC-PapersOnLine</i> , 2020 , 53, 271-278	0.7	0