

# Natalia Daz-Rodrguez

## List of Publications by Year in Descending Order

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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	Information fusion as an integrative cross-cutting enabler to achieve robust, explainable, and trustworthy medical artificial intelligence. <i>Information Fusion</i> , <b>2022</b> , 79, 263-278	16.7	15
29	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> , <b>2022</b> , 79, 58-83	16.7	4
28	Explainability in deep reinforcement learning. <i>Knowledge-Based Systems</i> , <b>2021</b> , 214, 106685	7.3	38
27	Human-Centered Artificial Intelligence for Designing Accessible Cultural Heritage. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 870	2.6	10
26	Accessible Cultural Heritage through Explainable Artificial Intelligence <b>2020</b> ,		6
25	Demonstration Guided Actor-Critic Deep Reinforcement Learning for Fast Teaching of Robots in Dynamic Environments. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 271-278	0.7	0
24	Explainable Artificial Intelligence (XAI): Concepts, taxonomies, opportunities and challenges toward responsible AI. <i>Information Fusion</i> , <b>2020</b> , 58, 82-115	16.7	1210
23	Continual learning for robotics: Definition, framework, learning strategies, opportunities and challenges. <i>Information Fusion</i> , <b>2020</b> , 58, 52-68	16.7	73
22	Interdisciplinary Research in Artificial Intelligence: Challenges and Opportunities. <i>Frontiers in Big Data</i> , <b>2020</b> , 3, 577974	2.8	6
21	Deep unsupervised state representation learning with robotic priors: a robustness analysis <b>2019</b> ,		1
20	RDF Stores for Enhanced Living Environments: An Overview. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 19-52	0.9	2
19	Extending Knowledge Graphs with Subjective Influence Networks for Personalized Fashion. <i>Studies in Systems, Decision and Control</i> , <b>2019</b> , 203-233	0.8	2
18	State representation learning for control: An overview. <i>Neural Networks</i> , <b>2018</b> , 108, 379-392	9.1	63
17	An Ontology for Wearables Data Interoperability and Ambient Assisted Living Application Development. <i>Studies in Fuzziness and Soft Computing</i> , <b>2018</b> , 559-568	0.7	3
16	Open-Ended Learning: A Conceptual Framework Based on Representational Redescription. <i>Frontiers in Neurorobotics</i> , <b>2018</b> , 12, 59	3.4	21
15	Datil: Learning Fuzzy Ontology Datatypes. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 100-112	0.3	3
14	Physical activity among children: objective measurements using Fitbit One and ActiGraph. <i>BMC Research Notes</i> , <b>2017</b> , 10, 161	2.3	27

13	Unsupervised understanding of location and illumination changes in egocentric videos. <i>Pervasive and Mobile Computing</i> , <b>2017</b> , 40, 414-429	3.5	4
12	A semantic security framework and context-aware role-based access control ontology for smart spaces <b>2016</b> ,		12
11	Intelligent drone navigation for search and rescue operations <b>2016</b> ,		7
10	Validation Techniques for Sensor Data in Mobile Health Applications. <i>Journal of Sensors</i> , <b>2016</b> , 2016, 1-9	2	19
9	Registered Nurses' Experiences with the Medication Administration Process. <i>Advances in Nursing</i> , <b>2015</b> , 2015, 1-10		6
8	A survey on ontologies for human behavior recognition. <i>ACM Computing Surveys</i> , <b>2014</b> , 46, 1-33	13.4	93
7	A fuzzy ontology for semantic modelling and recognition of human behaviour. <i>Knowledge-Based Systems</i> , <b>2014</b> , 66, 46-60	7.3	75
6	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> , <b>2014</b> , 14, 18131-71	3.8	21
5	An approach to improve semantics in Smart Spaces using reactive fuzzy rules <b>2013</b> ,		2
4	Extending Semantic Web Tools for Improving Smart Spaces Interoperability and Usability. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 45-52	0.4	3
3	Understanding Movement and Interaction: An Ontology for Kinect-Based 3D Depth Sensors. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 254-261	0.9	14
2	A Framework for Context-Aware Applications for Smart Spaces <b>2011</b> ,		6
1	A Framework for Context-Aware Applications for Smart Spaces. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 14-25	0.9	9