

Diogo R Ferreira

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.

60
papers

1,622
citations

15
h-index

39
g-index

65
ext. papers

1,961
ext. citations

1.7
avg, IF

4.91
L-index

#	Paper	IF	Citations
60	Explainable deep learning for the analysis of MHD spectrograms in nuclear fusion. <i>Machine Learning: Science and Technology</i> , 2022 , 3, 015015	5.1	2
59	Monitoring the plasma radiation profile with real-time bolometer tomography at JET. <i>Fusion Engineering and Design</i> , 2021 , 164, 112179	1.7	4
58	Onset of tearing modes in plasma termination on JET: the role of temperature hollowing and edge cooling. <i>Nuclear Fusion</i> , 2021 , 61, 046020	3.3	8
57	Progress in preparing real-time control schemes for Deuterium-Tritium operation in JET. <i>Fusion Engineering and Design</i> , 2021 , 166, 112305	1.7	1
56	Using HPC infrastructures for deep learning applications in fusion research. <i>Plasma Physics and Controlled Fusion</i> , 2021 , 63, 084006	2	2
55	Influences of heating and plasma density on impurity production and transport during the ramp-down phase of JET ILW discharge. <i>Plasma Physics and Controlled Fusion</i> , 2021 , 63, 035008	2	0
54	How Much Does Stock Prediction Improve with Sentiment Analysis?. <i>Lecture Notes in Computer Science</i> , 2021 , 16-31	0.9	
53	A brief comment on the numerical results in Electrostatic potential of a uniformly charged triangle in barycentric coordinates. <i>European Journal of Physics</i> , 2021 , 42, 068001	0.8	1
52	Assessment of tomography signals in view of neural network reconstruction at ISTTOK. <i>Journal of Instrumentation</i> , 2020 , 15, C01022-C01022	1	
51	Importance Weighting of Diagnostic Trouble Codes for Anomaly Detection. <i>Lecture Notes in Computer Science</i> , 2020 , 410-421	0.9	2
50	The Tracking Machine Learning Challenge: Accuracy Phase. <i>The Springer Series on Challenges in Machine Learning</i> , 2020 , 231-264	7.3	12
49	Deep Learning for Plasma Tomography and Disruption Prediction From Bolometer Data. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 36-45	1.3	17
48	Deep Learning for the Analysis of Disruption Precursors Based on Plasma Tomography. <i>Fusion Science and Technology</i> , 2020 , 76, 901-911	1.1	3
47	Overview of the JET preparation for deuterium-tritium operation with the ITER like-wall. <i>Nuclear Fusion</i> , 2019 , 59, 112021	3.3	55
46	Experimental validation of plasma tomography algorithms at ISTTOK. <i>Journal of Instrumentation</i> , 2019 , 14, C08006-C08006	1	
45	Deep neural networks for plasma tomography with applications to JET and COMPASS. <i>Journal of Instrumentation</i> , 2019 , 14, C09011-C09011	1	4
44	A Survey of Process Mining Competitions: The BPI Challenges 2011-2018. <i>Lecture Notes in Business Information Processing</i> , 2019 , 263-274	0.6	3

43	Current Research into Applications of Tomography for Fusion Diagnostics. <i>Journal of Fusion Energy</i> , 2019 , 38, 458-466	1.6	19
42	Full-Pulse Tomographic Reconstruction with Deep Neural Networks. <i>Fusion Science and Technology</i> , 2018 , 74, 47-56	1.1	15
41	Assessing Agile Software Development Processes with Process Mining: A Case Study 2018 ,		5
40	A Primer on Process Mining. <i>SpringerBriefs in Information Systems</i> , 2017 ,	0.1	5
39	Deep learning for plasma tomography using the bolometer system at JET. <i>Fusion Engineering and Design</i> , 2017 , 114, 18-25	1.7	22
38	Parallelization of Transition Counting for Process Mining on Multi-core CPUs and GPUs. <i>Lecture Notes in Business Information Processing</i> , 2017 , 36-48	0.6	1
37	Using logical decision trees to discover the cause of process delays from event logs. <i>Computers in Industry</i> , 2015 , 70, 194-207	11.6	20
36	Robust regression with CUDA and its application to plasma reflectometry. <i>Review of Scientific Instruments</i> , 2015 , 86, 113507	1.7	1
35	Specifying Dynamic Adaptations for Embedded Applications Using a DSL. <i>IEEE Embedded Systems Letters</i> , 2014 , 6, 49-52	1	
34	A DSL for specifying run-time adaptations for embedded systems: an application to vehicle stereo navigation. <i>Journal of Supercomputing</i> , 2014 , 70, 1218-1248	2.5	1
33	Improving process models by mining mappings of low-level events to high-level activities. <i>Journal of Intelligent Information Systems</i> , 2014 , 43, 379-407	2.1	15
32	Using Inductive Reasoning to Find the Cause of Process Delays 2013 ,		6
31	Mining the low-level behaviour of agents in high-level business processes. <i>International Journal of Business Process Integration and Management</i> , 2013 , 6, 146	0.8	9
30	The Impact of the Search Depth on Chess Playing Strength. <i>ICGA Journal</i> , 2013 , 36, 67-80	0.2	8
29	A Hierarchical Markov Model to Understand the Behaviour of Agents in Business Processes. <i>Lecture Notes in Business Information Processing</i> , 2013 , 150-161	0.6	4
28	Improving Business Process Models with Agent-Based Simulation and Process Mining. <i>Lecture Notes in Business Information Processing</i> , 2013 , 124-138	0.6	9
27	Securely Storing and Executing Business Processes in the Cloud. <i>Lecture Notes in Business Information Processing</i> , 2013 , 707-712	0.6	
26	Enterprise Systems Integration 2013 ,		4

25	Business process analysis in healthcare environments: A methodology based on process mining. <i>Information Systems</i> , 2012 , 37, 99-116	2.7	294
24	Determining the Strength of Chess Players Based on Actual Play. <i>ICGA Journal</i> , 2012 , 35, 3-19	0.2	7
23	A semantic approach to the discovery of workflow activity patterns in event logs. <i>International Journal of Business Process Integration and Management</i> , 2012 , 6, 4	0.8	6
22	Discovering User Communities in Large Event Logs. <i>Lecture Notes in Business Information Processing</i> , 2012 , 123-134	0.6	12
21	Process Mining Manifesto. <i>Lecture Notes in Business Information Processing</i> , 2012 , 169-194	0.6	347
20	Ontology-Based Discovery of Workflow Activity Patterns. <i>Lecture Notes in Business Information Processing</i> , 2012 , 314-325	0.6	6
19	Sequence partitioning for process mining with unlabeled event logs. <i>Data and Knowledge Engineering</i> , 2011 , 70, 821-841	1.5	18
18	A Domain-Specific Language for the Specification of Adaptable Context Inference 2011 ,		3
17	Mining sequences for patterns with non-repeating symbols 2010 ,		5
16	Preprocessing techniques for context recognition from accelerometer data. <i>Personal and Ubiquitous Computing</i> , 2010 , 14, 645-662	2.1	379
15	Providing user context for mobile and social networking applications. <i>Pervasive and Mobile Computing</i> , 2010 , 6, 324-341	3.5	45
14	Understanding Spaghetti Models with Sequence Clustering for ProM. <i>Lecture Notes in Business Information Processing</i> , 2010 , 92-103	0.6	41
13	Estimating the Parameters of Randomly Interleaved Markov Models 2009 ,		3
12	Applied Sequence Clustering Techniques for Process Mining 2009 , 481-502		8
11	Context Inference for Mobile Applications in the UPCASE Project. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2009 , 352-365	0.2	8
10	Discovering Process Models from Unlabelled Event Logs. <i>Lecture Notes in Computer Science</i> , 2009 , 143-158	5.0	50
9	Mobile Context Provider for Social Networking. <i>Lecture Notes in Computer Science</i> , 2009 , 464-473	0.9	1
8	Automatic Extraction of Process Control Flow from I/O Operations. <i>Lecture Notes in Computer Science</i> , 2008 , 342-357	0.9	6

7	Approaching Process Mining with Sequence Clustering: Experiments and Findings. <i>Lecture Notes in Computer Science</i> , 2007 , 360-374	0.9	56
6	AN INTEGRATED LIFE CYCLE FOR WORKFLOW MANAGEMENT BASED ON LEARNING AND PLANNING. <i>International Journal of Cooperative Information Systems</i> , 2006 , 15, 485-505	0.6	42
5	On the Concurrency of Inter-organizational Business Processes. <i>Lecture Notes in Computer Science</i> , 2006 , 844-853	0.9	
4	Towards a workflow-based integration architecture for business networking. <i>Business Process Management Journal</i> , 2005 , 11, 517-531	3.6	7
3	Building an e-marketplace on a peer-to-peer infrastructure. <i>International Journal of Computer Integrated Manufacturing</i> , 2004 , 17, 254-264	4.3	6
2	Developing a reusable workflow engine. <i>Journal of Systems Architecture</i> , 2004 , 50, 309-324	5.5	10
1	Essential Services for P2P E-Marketplaces 2004 , 231-239		