Francesco Calimeri

List of Publications by Year
in descending order

69 papers	1,050 citations	535685 17 h-index	536525 29 g-index
78 all docs	78 docs citations	78 times ranked	811 citing authors

#	Article	IF	Citations
1	Smart Devices andÂLarge Scale Reasoning viaÂASP: Tools andÂApplications. Lecture Notes in Computer Science, 2022, , 154-161.	1.0	2
2	AIM in Medical Informatics. , 2022, , 239-253.		0
3	Towards realistic laparoscopic image generation using image-domain translation. Computer Methods and Programs in Biomedicine, 2021, 200, 105834.	2.6	22
4	A Logic-Based Framework Leveraging Neural Networks for Studying the Evolution of Neurological Disorders. Theory and Practice of Logic Programming, 2021, 21, 80-124.	1.1	14
5	AIM in Medical Informatics. , 2021, , 1-15.		0
6	A Lumen Segmentation Method in Ureteroscopy Images based on a Deep Residual U-Net architecture. , 2021, , .		3
7	An Open-Source COVID-19 CT Dataset with Automatic Lung Tissue Classification for Radiomics. Bioengineering, 2021, 8, 26.	1.6	21
8	Introduction to the TPLP Special Issue from the 16th European Conference on Logics in Artificial Intelligence (JELIA 2019). Theory and Practice of Logic Programming, 2021, 21, 402-403.	1.1	0
9	I-DLV-sr: A Stream Reasoning System based on I-DLV. Theory and Practice of Logic Programming, 2021, 21, 610-628.	1.1	5
10	Optimized 3D path planner for steerable catheters with deductive reasoning. , 2021, , .		0
11	Combining Deep Learning and ASP-Based Models for the Semantic Segmentation of Medical Images. Lecture Notes in Computer Science, 2021, , 95-110.	1.0	2
12	Efficiently Coupling the I-DLV Grounder with ASP Solvers. Theory and Practice of Logic Programming, 2020, 20, 205-224.	1.1	8
13	ASP-Core-2 Input Language Format. Theory and Practice of Logic Programming, 2020, 20, 294-309.	1.1	83
14	Understanding Automatic Diagnosis and Classification Processes with Data Visualization. , 2020, , .		3
15	Artificial intelligence for brain diseases: A systematic review. APL Bioengineering, 2020, 4, 041503.	3.3	76
16	Data reduction and data visualization for automatic diagnosis using gene expression and clinical data. Artificial Intelligence in Medicine, 2020, 107, 101884.	3.8	8
17	Evaluating the Impact of Training Loss on MR to Synthetic CT Conversion. Lecture Notes in Computer Science, 2020, , 563-573.	1.0	2
18	Reasoning over Ontologies with DLV. Communications in Computer and Information Science, 2020, , 114-136.	0.4	0

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19	Inducing Clinical Course Variations in Multiple Sclerosis White Matter Networks. Advances in Intelligent Systems and Computing, 2019, , 900-917.	0.5	0
20	Incremental Answer Set Programming with Overgrounding. Theory and Practice of Logic Programming, 2019, 19, 957-973.	1.1	7
21	Using Heatmaps for Deep Learning based Disease Classification. , 2019, , .		7
22	Optimizing Answer Set Computation via Heuristic-Based Decomposition. Theory and Practice of Logic Programming, 2019, 19, 603-628.	1.1	8
23	Classification of Multiple Sclerosis Clinical Profiles via Graph Convolutional Neural Networks. Frontiers in Neuroscience, 2019, 13, 594.	1.4	49
24	Enhancing DLV for Large-Scale Reasoning. Lecture Notes in Computer Science, 2019, , 312-325.	1.0	7
25	Classification and Survival Prediction in Diffuse Large B-Cell Lymphoma by Gene Expression Profiling. Lecture Notes in Computer Science, 2019, , 166-178.	1.0	1
26	Prediction of Multiple Sclerosis Patient Disability from Structural Connectivity using Convolutional Neural Networks. , 2019, 2019, 2087-2090.		5
27	Fostering the Use of Declarative Formalisms for Real-World Applications: The EmbASP Framework. New Generation Computing, 2019, 37, 29-65.	2.5	8
28	Practical Aspects of Declarative Languages. Lecture Notes in Computer Science, 2018, , .	1.0	1
29	Using CNNs for Designing and Implementing an Automatic Vascular Segmentation Method of Biomedical Images. Lecture Notes in Computer Science, 2018, , 60-70.	1.0	9
30	Answer Set Programming for Declarative Content Specification: A Scalable Partitioning-Based Approach. Lecture Notes in Computer Science, 2018, , 225-237.	1.0	3
31	The ASP System DLV: Advancements and Applications. KI - Kunstliche Intelligenz, 2018, 32, 177-179.	2.2	17
32	Developing ASP Programs with ASPIDE and LoIDE. KI - Kunstliche Intelligenz, 2018, 32, 185-186.	2.2	3
33	A Smartphone Application for Supporting the Data Collection and Analysis of the Cultural Heritage Damaged during Natural Disasters. Proceedings (mdpi), 2018, 2, 121.	0.2	1
34	Integrating Rule-Based AI Tools into Mainstream Game Development. Lecture Notes in Computer Science, 2018, , 310-317.	1.0	6
35	LoIDE: A Web-Based IDE for Logic Programming Preliminary Report. Lecture Notes in Computer Science, 2018, , 152-160.	1.0	5
36	Mixing Logic Programming and Neural Networks to Support Neurological Disorders Analysis. Lecture Notes in Computer Science, 2018, , 33-47.	1.0	4

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37	BioHIPI: Biomedical Hadoop Image Processing Interface. Lecture Notes in Computer Science, 2018, , 540-548.	1.0	0
38	Correction to: Answer Set Programming for Declarative Content Specification: A Scalable Partitioning-Based Approach. Lecture Notes in Computer Science, 2018, , C1-C1.	1.0	0
39	I-DLV: The new intelligent grounder of DLV. Intelligenza Artificiale, 2017, 11, 5-20.	1.0	42
40	External Computations and Interoperability in the New DLV Grounder. Lecture Notes in Computer Science, 2017, , 172-185.	1.0	6
41	The ASP System DLV2. Lecture Notes in Computer Science, 2017, , 215-221.	1.0	51
42	A tensor-based mutation operator for Neuroevolution of Augmenting Topologies (NEAT). , 2017, , .		2
43	S-rep model for fundus image analysis. , 2017, , .		0
44	Biomedical Data Augmentation Using Generative Adversarial Neural Networks. Lecture Notes in Computer Science, 2017, , 626-634.	1.0	76
45	Optic Disc Detection Using Fine Tuned Convolutional Neural Networks. , 2016, , .		15
46	Design and results of the Fifth Answer Set Programming Competition. Artificial Intelligence, 2016, 231, 151-181.	3.9	79
47	$$mathcal {I}$$-dlv: The New Intelligent Grounder of dlv. Lecture Notes in Computer Science, 2016, , 192-207.	1.0	5
48	Boosting the Development of ASP-Based Applications in Mobile and General Scenarios. Lecture Notes in Computer Science, 2016, , 223-236.	1.0	0
49	A framework for easing the development of applications embedding answer set programming. , 2016, , .		11
50	Angry-HEX: An Artificial Player for Angry Birds Based on Declarative Knowledge Bases. IEEE Transactions on Games, 2016, 8, 128-139.	1.7	14
51	Novel Method for Automated Analysis of Retinal Images: Results in Subjects with Hypertensive Retinopathy and CADASIL. BioMed Research International, 2015, 2015, 1-10.	0.9	28
52	Logic Programming and Nonmonotonic Reasoning. Lecture Notes in Computer Science, 2015, , .	1.0	5
53	The third open answer set programming competition. Theory and Practice of Logic Programming, 2014, 14, 117-135.	1.1	28
54	The Fourth Answer Set Programming Competition: Preliminary Report. Lecture Notes in Computer Science, 2013, , 42-53.	1.0	21

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55	The Answer Set Programming Competition. AI Magazine, 2012, 33, 114.	1.4	16
56	Finitely recursive programs: Decidability and bottomâ€“up computation. AI Communications, 2011, 24, 311-334.	0.8	5
57	The Third Answer Set Programming Competition: Preliminary Report of the System Competition Track. Lecture Notes in Computer Science, 2011, , 388-403.	1.0	22
58	Answer Set Programming. Lecture Notes in Computer Science, 2010, , 159-182.	1.0	26
59	Magic Sets for the Bottom-Up Evaluation of Finitely Recursive Programs. Lecture Notes in Computer Science, 2009, , 71-86.	1.0	8
60	Experimenting with parallelism for the instantiation of ASP programs. Journal of Algorithms, 2008, 63, 34-54.	0.9	13
61	Computable Functions in ASP: Theory and Implementation. Lecture Notes in Computer Science, 2008, , 407-424.	1.0	67
62	External sources of knowledge and value invention in logic programming. Annals of Mathematics and Artificial Intelligence, 2007, 50, 333-361.	0.9	34
63	External Sources of Computation for Answer Set Solvers. Lecture Notes in Computer Science, 2005, , 105-118.	1.0	7
64	An agent system reasoning about the web and the user. , 2004, , .		2
65	A System with Template Answer Set Programs. Lecture Notes in Computer Science, 2004, , 693-697.	1.0	7
66	New DLV Features for Data Integration. Lecture Notes in Computer Science, 2004, , 698-701.	1.0	2
67	The DLV System. Lecture Notes in Computer Science, 2002, , 537-540.	1.0	37
68	A Machine Learning guided Rewriting Approach for ASP Logic Programs. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 325, 261-267.	0.8	3
69	A hybrid inductive learning-based and deductive reasoning-based 3-D path planning method in complex environments. Autonomous Robots, 0, , .	3.2	2