Fabio Gagliardi Cozman

List of Publications by Year
in descending order

89	1,135	623574	454834
papers	citations	14 h-index	30 g-index

96	96	96	687
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Credal networks. Artificial Intelligence, 2000, 120, 199-233.	3.9	221
2	Semisupervised learning of classifiers: theory, algorithms, and their application to human-computer interaction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 1553-1566.	9.7	210
3	Graphical models for imprecise probabilities. International Journal of Approximate Reasoning, 2005, 39, 167-184.	1.9	70
4	Outdoor Visual Position Estimation for Planetary Rovers. Autonomous Robots, 2000, 9, 135-150.	3.2	47
5	Sets of probability distributions, independence, and convexity. SynthÃˆse, 2012, 186, 577-600.	0.6	30
6	Random Generation of Bayesian Networks. Lecture Notes in Computer Science, 2002, , 366-376.	1.0	28
7	Sequential decision making with partially ordered preferences. Artificial Intelligence, 2011, 175, 1346-1365.	3.9	25
8	Graphoid properties of epistemic irrelevance and independence. Annals of Mathematics and Artificial Intelligence, 2005, 45, 173-195.	0.9	23
9	Probabilistic logic with independence. International Journal of Approximate Reasoning, 2008, 49, 3-17.	1.9	20
10	Semi-supervised learning for facial expression recognition. , 2003, , .		19
11	Computing lower and upper expectations under epistemic independence. International Journal of Approximate Reasoning, 2007, 44, 244-260.	1.9	18
12	The role of experts in the public perception of risk of artificial intelligence. AI and Society, 2020, 35, 663-673.	3.1	18
13	Learning probabilistic classifiers for humanâ€“computer interaction applications. Multimedia Systems, 2005, 10, 484-498.	3.0	16
14	The joy of Probabilistic Answer Set Programming: Semantics, complexity, expressivity, inference. International Journal of Approximate Reasoning, 2020, 125, 218-239.	1.9	16
15	Anytime anyspace probabilistic inference. International Journal of Approximate Reasoning, 2005, 38, 53-80.	1.9	15
16	Notes on â€œNotes on conditional previsionsâ€• International Journal of Approximate Reasoning, 2007, 44, 358-365.	1.9	15
17	On the Semantics and Complexity of Probabilistic Logic Programs. Journal of Artificial Intelligence Research, 0, 60, 221-262.	7.0	15
18	Calculation of Posterior Bounds Given Convex Sets of Prior Probability Measures and Likelihood Functions. Journal of Computational and Graphical Statistics, 1999, 8, 824.	0.9	13

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19	Towards classifying propositional probabilistic logics. Journal of Applied Logic, 2014, 12, 349-368.	1.1	13
20	Concentration inequalities and laws of large numbers under epistemic and regular irrelevance. International Journal of Approximate Reasoning, 2010, 51, 1069-1084.	1.9	12
21	Approximate algorithms for credal networks with binary variables. International Journal of Approximate Reasoning, 2008, 48, 275-296.	1.9	11
22	Inference in credal networks: branch-and-bound methods and the A/R+ algorithm. International Journal of Approximate Reasoning, 2005, 39, 279-296.	1.9	10
23	Probabilistic satisfiability and coherence checking through integer programming. International Journal of Approximate Reasoning, 2015, 58, 57-70.	1.9	10
24	Calculation of Posterior Bounds Given Convex Sets of Prior Probability Measures and Likelihood Functions. Journal of Computational and Graphical Statistics, 1999, 8, 824-838.	0.9	9
25	Independence for full conditional probabilities: Structure, factorization, non-uniqueness, and Bayesian networks. International Journal of Approximate Reasoning, 2013, 54, 1261-1278.	1.9	9
26	Kuznetsov independence for interval-valued expectations and sets of probability distributions: Properties and algorithms. International Journal of Approximate Reasoning, 2014, 55, 666-682.	1.9	9
27	Thirty years of credal networks: Specification, algorithms and complexity. International Journal of Approximate Reasoning, 2020, 126, 133-157.	1.9	9
28	The impact of teenage pregnancy on school dropout in Brazil: a Bayesian network approach. BMC Public Health, 2021, 21, 1850.	1.2	9
29	Computing posterior upper expectations. International Journal of Approximate Reasoning, 2000, 24, 191-205.	1.9	8
30	Dealing with Imprecise Probabilities: Interval-Related Talks at ISIPTA'05. Reliable Computing, 2006, 12, 153-165.	0.8	8
31	Bayesian Network Supervision on Fault Tolerant Fuel Cells. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	8
32	Reasoning about shadows in a mobile robot environment. Applied Intelligence, 2013, 38, 553-565.	3.3	8
33	Robustifying sum-product networks. International Journal of Approximate Reasoning, 2018, 101, 163-180.	1.9	8
34	Navigation in Restricted Channels Under Environmental Conditions: Fast-Time Simulation by Asynchronous Deep Reinforcement Learning. IEEE Access, 2020, 8, 149199-149213.	2.6	8
35	PirÃ¡: A Bilingual Portuguese-English Dataset for Question-Answering about the Ocean. , 2021, , .		7
36	Using mathematical programming to solve Factored Markov Decision Processes with Imprecise Probabilities. International Journal of Approximate Reasoning, 2011, 52, 1000-1017.	1.9	6

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37	A Qualitative-Probabilistic Approach to Autonomous Mobile Robot Self Localisation and Self Vision Calibration. , 2013, , .		6
38	Image Classification Using Sum-Product Networks for Autonomous Flight of Micro Aerial Vehicles. , 2016, , .		6
39	Probabilistic self-localisation on a qualitative map based on occlusions. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 781-799.	1.8	6
40	The finite model theory of Bayesian network specifications: Descriptive complexity and zero/one laws. International Journal of Approximate Reasoning, 2019, 110, 107-126.	1.9	6
41	Complexity results for probabilistic answer set programming. International Journal of Approximate Reasoning, 2020, 118, 133-154.	1.9	6
42	Some thoughts on knowledge-enhanced machine learning. International Journal of Approximate Reasoning, 2021, 136, 308-324.	1.9	6
43	On the complexity of propositional and relational credal networks. International Journal of Approximate Reasoning, 2017, 83, 298-319.	1.9	5
44	Evenly convex credal sets. International Journal of Approximate Reasoning, 2018, 103, 124-138.	1.9	5
45	Irrelevance and Independence Axioms in Quasi-Bayesian Theory. Lecture Notes in Computer Science, 1999, , 128-136.	1.0	5
46	Measuring Unfairness Through Game-Theoretic Interpretability. Communications in Computer and Information Science, 2020, , 253-264.	0.4	5
47	Loopy Propagation in a Probabilistic Description Logic. Lecture Notes in Computer Science, 2008, , 120-133.	1.0	5
48	Markov Decision Processes from Colored Petri Nets. Lecture Notes in Computer Science, 2010, , 72-81.	1.0	5
49	Assembling a consistent set of sentences in relational probabilistic logic with stochastic independence. Journal of Applied Logic, 2009, 7, 137-154.	1.1	4
50	Link prediction using a probabilistic description logic. Journal of the Brazilian Computer Society, 2013, 19, 397-409.	0.8	4
51	Fast local search methods for solving limited memory influence diagrams. International Journal of Approximate Reasoning, 2016, 68, 230-245.	1.9	4
52	The complexity of Bayesian networks specified by propositional and relational languages. Artificial Intelligence, 2018, 262, 96-141.	3.9	4
53	Automatic knee flexion in lower limb orthoses. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2009, 31, 305-311.	0.8	3
54	Generalized probabilistic satisfiability through integer programming. Journal of the Brazilian Computer Society, 2015, 21, .	0.8	3

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55	Speeding up parameter and rule learning for acyclic probabilistic logic programs. International Journal of Approximate Reasoning, 2019, 106, 32-50.	1.9	3
56	Automatic Summarization of Technical Documents in the Oil and Gas Industry. , 2019, , .		3
57	Learning imprecise probability models: Conceptual and practical challenges. International Journal of Approximate Reasoning, 2014, 55, 1594-1596.	1.9	2
58	Markov Decision Processes Specified by Probabilistic Logic Programming: Representation and Solution. , 2016, , .		2
59	On the imprecision of full conditional probabilities. SynthÃˆse, 2021, 199, 3761.	0.6	2
60	Learning Terminologies in Probabilistic Description Logics. Lecture Notes in Computer Science, 2010, , 41-50.	1.0	2
61	Port Channel Navigation Subjected to Environmental Conditions Using Reinforcement Learning. , 2019, , .		2
62	Reusing Risk-Aware Stochastic Abstract Policies in Robotic Navigation Learning. Lecture Notes in Computer Science, 2014, , 256-267.	1.0	2
63	Explaining Completions Produced by Embeddings of Knowledge Graphs. Lecture Notes in Computer Science, 2019, , 324-335.	1.0	2
64	mRAT-SQL+GAP: AÂPortuguese Text-to-SQL Transformer. Lecture Notes in Computer Science, 2021, , 511-525.	1.0	2
65	DEEPAGÃ‰: Answering Questions in Portuguese About the Brazilian Environment. Lecture Notes in Computer Science, 2021, , 419-433.	1.0	2
66	Modeling Automotive Assembly Lines with Generalized Stochastic Petri Nets and Markov Decision Processes with Imprecise Probabilities. , 2008, , .		1
67	Ad Network Optimization: Evaluating Linear Relaxations. , 2013, , .		1
68	Inference with Aggregation Parfactors: Lifted Elimination with First-Order d-Separation. , 2014, , .		1
69	Logic-probabilistic model for event recognition in a robotic search and rescue scenario. , 2014, , .		1
70	Evaluation of linear relaxations in Ad Network optimization for online marketing. Journal of the Brazilian Computer Society, 2015, 21, .	0.8	1
71	The effect of combination functions on the complexity of relational Bayesian networks. International Journal of Approximate Reasoning, 2017, 85, 178-195.	1.9	1
72	On the Coherence of Probabilistic Relational Formalisms. Entropy, 2018, 20, 229.	1.1	1

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73	No canal da InteligÃªncia Artificial - Nova temporada de desgrenhados e empertigados. Estudos Avancados, 2021, 35, 7-20.	0.2	1
74	Graphoid properties of concepts of independence for sets of probabilities. International Journal of Approximate Reasoning, 2021, 131, 56-79.	1.9	1
75	Probabilistic Logic with Strong Independence. Lecture Notes in Computer Science, 2006, , 612-621.	1.0	1
76	The Complexity of Plate Probabilistic Models. Lecture Notes in Computer Science, 2015, , 36-49.	1.0	1
77	The Complexity of Inferences and Explanations in Probabilistic Logic Programming. Lecture Notes in Computer Science, 2017, , 449-458.	1.0	1
78	A model for inference of emotional state based on facial expressions. Journal of the Brazilian Computer Society, 2013, 19, 3-13.	0.8	0
79	Probabilistic logic for multi-robot event recognition. , 2013, , .		0
80	Generalized Probabilistic Satisfiability. , 2013, , .		0
81	DL-Lite Bayesian Networks: A Tractable Probabilistic Graphical Model. Lecture Notes in Computer Science, 2015, , 50-64.	1.0	0
82	Explaining Content-Based Recommendations with Topic Models. , 2019, , .		0
83	Computing Inferences for Relational Bayesian Networks Based on $$mathcal {ALC}$$ Constructs. Lecture Notes in Computer Science, 2014, , 21-40.	1.0	0
84	The Descriptive Complexity of Bayesian Network Specifications. Lecture Notes in Computer Science, 2017, , 93-103.	1.0	0
85	Closed-Form Solutions in Learning Probabilistic Logic Programs by Exact Score Maximization. Lecture Notes in Computer Science, 2017, , 119-133.	1.0	0
86	Languages for Probabilistic Modeling Over Structured and Relational Domains. , 2020, , 247-283.		0
87	Sea State Estimation withÂNeural Networks Based onÂtheÂMotion ofÂaÂMoored FPSO Subjected toÂCampos Basin Metocean Conditions. Lecture Notes in Computer Science, 2021, , 294-308.	1.0	0
88	Integrating Question Answering and Text-to-SQL in Portuguese. Lecture Notes in Computer Science, 2022, , 278-287.	1.0	0
89	Interpretability of Attention Mechanisms in a Portuguese-Based Question Answering System about the Blue Amazon. , 0, , .		0