

# Fabio Gagliardi Cozman

## List of Publications by Year in descending order

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89  
papers

1,135  
citations

623574

14  
h-index

454834

30  
g-index

96  
all docs

96  
docs citations

96  
times ranked

687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating Question Answering and Text-to-SQL in Portuguese. Lecture Notes in Computer Science, 2022, , 278-287.	1.0	0
2	On the imprecision of full conditional probabilities. Synth�se, 2021, 199, 3761.	0.6	2
3	No canal da Intelig�ncia Artificial - Nova temporada de desgrenhados e empertigados. Estudos Avancados, 2021, 35, 7-20.	0.2	1
4	Graphoid properties of concepts of independence for sets of probabilities. International Journal of Approximate Reasoning, 2021, 131, 56-79.	1.9	1
5	Some thoughts on knowledge-enhanced machine learning. International Journal of Approximate Reasoning, 2021, 136, 308-324.	1.9	6
6	The impact of teenage pregnancy on school dropout in Brazil: a Bayesian network approach. BMC Public Health, 2021, 21, 1850.	1.2	9
7	Pir�: A Bilingual Portuguese-English Dataset for Question-Answering about the Ocean. , 2021, , .		7
8	Sea State Estimation with Neural Networks Based on the Motion of Moored FPSO Subjected to Campos Basin Metocean Conditions. Lecture Notes in Computer Science, 2021, , 294-308.	1.0	0
9	mRAT-SQL+GAP: Portuguese Text-to-SQL Transformer. Lecture Notes in Computer Science, 2021, , 511-525.	1.0	2
10	DEEPAG�: Answering Questions in Portuguese About the Brazilian Environment. Lecture Notes in Computer Science, 2021, , 419-433.	1.0	2
11	Complexity results for probabilistic answer set programming. International Journal of Approximate Reasoning, 2020, 118, 133-154.	1.9	6
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	The joy of Probabilistic Answer Set Programming: Semantics, complexity, expressivity, inference. International Journal of Approximate Reasoning, 2020, 125, 218-239.	1.9	16
14	Navigation in Restricted Channels Under Environmental Conditions: Fast-Time Simulation by Asynchronous Deep Reinforcement Learning. IEEE Access, 2020, 8, 149199-149213.	2.6	8
15	Measuring Unfairness Through Game-Theoretic Interpretability. Communications in Computer and Information Science, 2020, , 253-264.	0.4	5
16	Thirty years of credal networks: Specification, algorithms and complexity. International Journal of Approximate Reasoning, 2020, 126, 133-157.	1.9	9
17	Languages for Probabilistic Modeling Over Structured and Relational Domains. , 2020, , 247-283.		0
18	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

#	ARTICLE	IF	CITATIONS
19	Speeding up parameter and rule learning for acyclic probabilistic logic programs. International Journal of Approximate Reasoning, 2019, 106, 32-50.	1.9	3
20	Explaining Content-Based Recommendations with Topic Models. , 2019, , .		0
21	Automatic Summarization of Technical Documents in the Oil and Gas Industry. , 2019, , .		3
22	Port Channel Navigation Subjected to Environmental Conditions Using Reinforcement Learning. , 2019, , .		2
23	Explaining Completions Produced by Embeddings of Knowledge Graphs. Lecture Notes in Computer Science, 2019, , 324-335.	1.0	2
24	Evenly convex credal sets. International Journal of Approximate Reasoning, 2018, 103, 124-138.	1.9	5
25	On the Coherence of Probabilistic Relational Formalisms. Entropy, 2018, 20, 229.	1.1	1
26	Robustifying sum-product networks. International Journal of Approximate Reasoning, 2018, 101, 163-180.	1.9	8
27	The complexity of Bayesian networks specified by propositional and relational languages. Artificial Intelligence, 2018, 262, 96-141.	3.9	4
28	The effect of combination functions on the complexity of relational Bayesian networks. International Journal of Approximate Reasoning, 2017, 85, 178-195.	1.9	1
29	On the complexity of propositional and relational credal networks. International Journal of Approximate Reasoning, 2017, 83, 298-319.	1.9	5
30	The Complexity of Inferences and Explanations in Probabilistic Logic Programming. Lecture Notes in Computer Science, 2017, , 449-458.	1.0	1
31	The Descriptive Complexity of Bayesian Network Specifications. Lecture Notes in Computer Science, 2017, , 93-103.	1.0	0
32	Closed-Form Solutions in Learning Probabilistic Logic Programs by Exact Score Maximization. Lecture Notes in Computer Science, 2017, , 119-133.	1.0	0
33	Markov Decision Processes Specified by Probabilistic Logic Programming: Representation and Solution. , 2016, , .		2
34	Image Classification Using Sum-Product Networks for Autonomous Flight of Micro Aerial Vehicles. , 2016, , .		6
35	Probabilistic self-localisation on a qualitative map based on occlusions. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 781-799.	1.8	6
36	Fast local search methods for solving limited memory influence diagrams. International Journal of Approximate Reasoning, 2016, 68, 230-245.	1.9	4

#	ARTICLE	IF	CITATIONS
37	Generalized probabilistic satisfiability through integer programming. Journal of the Brazilian Computer Society, 2015, 21, .	0.8	3
38	Evaluation of linear relaxations in Ad Network optimization for online marketing. Journal of the Brazilian Computer Society, 2015, 21, .	0.8	1
39	Probabilistic satisfiability and coherence checking through integer programming. International Journal of Approximate Reasoning, 2015, 58, 57-70.	1.9	10
40	DL-Lite Bayesian Networks: A Tractable Probabilistic Graphical Model. Lecture Notes in Computer Science, 2015, , 50-64.	1.0	0
41	The Complexity of Plate Probabilistic Models. Lecture Notes in Computer Science, 2015, , 36-49.	1.0	1
42	Inference with Aggregation Parfactors: Lifted Elimination with First-Order d-Separation. , 2014, , .		1
43	Learning imprecise probability models: Conceptual and practical challenges. International Journal of Approximate Reasoning, 2014, 55, 1594-1596.	1.9	2
44	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
45	Towards classifying propositional probabilistic logics. Journal of Applied Logic, 2014, 12, 349-368.	1.1	13
46	Logic-probabilistic model for event recognition in a robotic search and rescue scenario. , 2014, , .		1
47	Reusing Risk-Aware Stochastic Abstract Policies in Robotic Navigation Learning. Lecture Notes in Computer Science, 2014, , 256-267.	1.0	2
48	Computing Inferences for Relational Bayesian Networks Based on $\{ALC\}$ Constructs. Lecture Notes in Computer Science, 2014, , 21-40.	1.0	0
49	Link prediction using a probabilistic description logic. Journal of the Brazilian Computer Society, 2013, 19, 397-409.	0.8	4
50	A model for inference of emotional state based on facial expressions. Journal of the Brazilian Computer Society, 2013, 19, 3-13.	0.8	0
51	Reasoning about shadows in a mobile robot environment. Applied Intelligence, 2013, 38, 553-565.	3.3	8
52	Probabilistic logic for multi-robot event recognition. , 2013, , .		0
53	Independence for full conditional probabilities: Structure, factorization, non-uniqueness, and Bayesian networks. International Journal of Approximate Reasoning, 2013, 54, 1261-1278.	1.9	9
54	A Qualitative-Probabilistic Approach to Autonomous Mobile Robot Self Localisation and Self Vision Calibration. , 2013, , .		6

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55	Ad Network Optimization: Evaluating Linear Relaxations. , 2013, , .		1
56	Generalized Probabilistic Satisfiability. , 2013, , .		0
57	Sets of probability distributions, independence, and convexity. SynthÃse, 2012, 186, 577-600.	0.6	30
58	Using mathematical programming to solve Factored Markov Decision Processes with Imprecise Probabilities. International Journal of Approximate Reasoning, 2011, 52, 1000-1017.	1.9	6
59	Sequential decision making with partially ordered preferences. Artificial Intelligence, 2011, 175, 1346-1365.	3.9	25
60	Concentration inequalities and laws of large numbers under epistemic and regular irrelevance. International Journal of Approximate Reasoning, 2010, 51, 1069-1084.	1.9	12
61	Learning Terminologies in Probabilistic Description Logics. Lecture Notes in Computer Science, 2010, , 41-50.	1.0	2
62	Markov Decision Processes from Colored Petri Nets. Lecture Notes in Computer Science, 2010, , 72-81.	1.0	5
63	Automatic knee flexion in lower limb orthoses. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2009, 31, 305-311.	0.8	3
64	Assembling a consistent set of sentences in relational probabilistic logic with stochastic independence. Journal of Applied Logic, 2009, 7, 137-154.	1.1	4
65	Probabilistic logic with independence. International Journal of Approximate Reasoning, 2008, 49, 3-17.	1.9	20
66	Approximate algorithms for credal networks with binary variables. International Journal of Approximate Reasoning, 2008, 48, 275-296.	1.9	11
67	Modeling Automotive Assembly Lines with Generalized Stochastic Petri Nets and Markov Decision Processes with Imprecise Probabilities. , 2008, , .		1
68	Loopy Propagation in a Probabilistic Description Logic. Lecture Notes in Computer Science, 2008, , 120-133.	1.0	5
69	Computing lower and upper expectations under epistemic independence. International Journal of Approximate Reasoning, 2007, 44, 244-260.	1.9	18
70	Notes on "Notes on conditional previsions" International Journal of Approximate Reasoning, 2007, 44, 358-365.	1.9	15
71	Dealing with Imprecise Probabilities: Interval-Related Talks at ISIPTA'05. Reliable Computing, 2006, 12, 153-165.	0.8	8
72	Bayesian Network Supervision on Fault Tolerant Fuel Cells. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	8

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73	Probabilistic Logic with Strong Independence. Lecture Notes in Computer Science, 2006, , 612-621.	1.0	1
74	Anytime anysplace probabilistic inference. International Journal of Approximate Reasoning, 2005, 38, 53-80.	1.9	15
75	Graphical models for imprecise probabilities. International Journal of Approximate Reasoning, 2005, 39, 167-184.	1.9	70
76	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
77	Graphoid properties of epistemic irrelevance and independence. Annals of Mathematics and Artificial Intelligence, 2005, 45, 173-195.	0.9	23
78	Learning probabilistic classifiers for human-computer interaction applications. Multimedia Systems, 2005, 10, 484-498.	3.0	16
79	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
80	Semi-supervised learning for facial expression recognition. , 2003, , .		19
81	Random Generation of Bayesian Networks. Lecture Notes in Computer Science, 2002, , 366-376.	1.0	28
82	Credal networks. Artificial Intelligence, 2000, 120, 199-233.	3.9	221
83	Computing posterior upper expectations. International Journal of Approximate Reasoning, 2000, 24, 191-205.	1.9	8
84	Outdoor Visual Position Estimation for Planetary Rovers. Autonomous Robots, 2000, 9, 135-150.	3.2	47
85	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
86	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
87	Irrelevance and Independence Axioms in Quasi-Bayesian Theory. Lecture Notes in Computer Science, 1999, , 128-136.	1.0	5
88	On the Semantics and Complexity of Probabilistic Logic Programs. Journal of Artificial Intelligence Research, 0, 60, 221-262.	7.0	15
89	Interpretability of Attention Mechanisms in a Portuguese-Based Question Answering System about the Blue Amazon. , 0, , .		0