

# Philippe Leray

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

404  
citations

1162889

8  
h-index

887953

17  
g-index

75  
all docs

75  
docs citations

75  
times ranked

421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feature Selection With Neural Networks. <i>Behaviormetrika</i> , 1999, 26, 145-166.	0.9	78
2	A hierarchical Bayesian network approach for linkage disequilibrium modeling and data-dimensionality reduction prior to genome-wide association studies. <i>BMC Bioinformatics</i> , 2011, 12, 16.	1.2	50
3	Learning Causal Bayesian Networks from Observations and Experiments: A Decision Theoretic Approach. <i>Lecture Notes in Computer Science</i> , 2006, , 58-69.	1.0	33
4	Probabilistic graphical models for genetic association studies. <i>Briefings in Bioinformatics</i> , 2012, 13, 20-33.	3.2	22
5	A dynamic Bayesian network to represent discrete duration models. <i>Neurocomputing</i> , 2010, 73, 570-577.	3.5	19
6	A Personalized Recommender System from Probabilistic Relational Model and Usersâ€™ Preferences. <i>Procedia Computer Science</i> , 2014, 35, 1063-1072.	1.2	19
7	Dynamic MMHC: A Local Search Algorithm for Dynamic Bayesian Network Structure Learning. <i>Lecture Notes in Computer Science</i> , 2013, , 392-403.	1.0	10
8	SemCaDo: A serendipitous strategy for causal discovery and ontology evolution. <i>Knowledge-Based Systems</i> , 2015, 76, 79-95.	4.0	9
9	CLUSTERING AND BAYESIAN NETWORK APPROACHES FOR DISCOVERING HANDWRITING STRATEGIES OF PRIMARY SCHOOL CHILDREN. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2004, 18, 1233-1251.	0.7	8
10	A SOM and Bayesian Network Architecture for Alert Filtering in Network Intrusion Detection Systems. , 0, , .		8
11	Prevention of Suicidal Relapses in Adolescents With a Smartphone Application: Bayesian Network Analysis of a Preclinical Trial Using In Silico Patient Simulations. <i>Journal of Medical Internet Research</i> , 2021, 23, e24560.	2.1	8
12	Discrete exponential Bayesian networks: Definition, learning and application for density estimation. <i>Neurocomputing</i> , 2014, 137, 142-149.	3.5	7
13	Learning Hierarchical Bayesian Networks for Genome-Wide Association Studies. , 2010, , 549-556.		7
14	Customer Relationship Management and Small Data â€™ Application of Bayesian Network Elicitation Techniques for Building a Lead Scoring Model. , 2017, , .		6
15	Integrating expertâ€™s knowledge constraint of time dependent exposures in structure learning for Bayesian networks. <i>Artificial Intelligence in Medicine</i> , 2020, 107, 101874.	3.8	6
16	Bayesian Network-Based Approaches for Severe Attack Prediction and Handling IDSsâ€™ Reliability. <i>Communications in Computer and Information Science</i> , 2010, , 632-642.	0.4	6
17	iMMP: A Local Search Approach for Incremental Bayesian Network Structure Learning. <i>Lecture Notes in Computer Science</i> , 2011, , 401-412.	1.0	6
18	Visualization of Pairwise and Multilocus Linkage Disequilibrium Structure Using Latent Forests. <i>PLoS ONE</i> , 2011, 6, e27320.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Reliability Analysis using Graphical Duration Models. , 2008, , .		5
20	Discrete Exponential Bayesian Networks: An Extension of Bayesian Networks to Discrete Natural Exponential Families. , 2011, , .		5
21	Active learning of causal Bayesian networks using ontologies: A case study. , 2013, , .		5
22	Diagnosis tools for telecommunication network traffic management. Lecture Notes in Computer Science, 1996, , 209-214.	1.0	5
23	SemCaDo: A Serendipitous Strategy for Learning Causal Bayesian Networks Using Ontologies. Lecture Notes in Computer Science, 2011, , 182-193.	1.0	5
24	Belief Graphical Models for Uncertainty Representation and Reasoning. , 2020, , 209-246.		5
25	Generation of Incomplete Test-Data using Bayesian Networks. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	4
26	Integrating Ontological Knowledge for Iterative Causal Discovery and Visualization. Lecture Notes in Computer Science, 2009, , 168-179.	1.0	4
27	Probabilistic relational model benchmark generation: Principle and application. Intelligent Data Analysis, 2016, 20, 615-635.	0.4	4
28	Learning possibilistic networks from data: a survey. , 0, , .		4
29	Probability Density Estimation by Perturbing and Combining Tree Structured Markov Networks. Lecture Notes in Computer Science, 2009, , 156-167.	1.0	4
30	Specific graphical models for analyzing the reliability. , 2008, , .		3
31	Alert correlation: Severe attack prediction and controlling false alarm rate tradeoffs. Intelligent Data Analysis, 2011, 15, 955-978.	0.4	3
32	Benchmarking dynamic Bayesian network structure learning algorithms. , 2013, , .		3
33	Incremental discovery of new defects: application to screwing process monitoring. CIRP Annals - Manufacturing Technology, 2021, 70, 369-372.	1.7	3
34	Causal Graphical Models with Latent Variables: Learning and Inference. Lecture Notes in Computer Science, 2007, , 5-16.	1.0	3
35	Forests of Latent Tree Models to Decipher Genotype-Phenotype Associations. Communications in Computer and Information Science, 2013, , 113-134.	0.4	3
36	Incremental Bayesian network structure learning in high dimensional domains. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
37	Complex Event Processing Under Uncertainty Using Markov Chains, Constraints, and Sampling. Lecture Notes in Computer Science, 2018, , 147-163.	1.0	2
38	Using Probabilistic Relational Models to generate synthetic spatial or non-spatial databases. , 2018, , .		2
39	Réseaux bayésiens pour la classification Méthodologie et illustration dans le cadre du diagnostic médical. Revue D'Intelligence Artificielle, 2004, 18, 169-193.	0.5	2
40	Distributed learning of Multi-Agent Causal Models. , 0, , .		1
41	Multi-agent causal models for dependability analysis. , 2006, , .		1
42	Discrete Exponential Bayesian Networks Structure Learning for Density Estimation. Communications in Computer and Information Science, 2012, , 146-151.	0.4	1
43	A RBN-based recommender system architecture. , 2013, , .		1
44	Random Generation and Population of Probabilistic Relational Models and Databases. , 2014, , .		1
45	Implicit parameter estimation for conditional Gaussian Bayesian networks. International Journal of Computational Intelligence Systems, 2014, 7, 6-17.	1.6	1
46	Integrating spatial information into probabilistic relational models. , 2015, , .		1
47	Evaluating Product-Based Possibilistic Networks Learning Algorithms. Lecture Notes in Computer Science, 2015, , 312-321.	1.0	1
48	A Probabilistic Relational Model Approach for Fault Tree Modeling. Lecture Notes in Computer Science, 2017, , 154-162.	1.0	1
49	Unsupervised Co-training of Bayesian Networks for Condition Prediction. Lecture Notes in Computer Science, 2021, , 577-588.	1.0	1
50	On the Use of WalkSAT Based Algorithms for MLN Inference in Some Realistic Applications. Lecture Notes in Computer Science, 2017, , 121-131.	1.0	1
51	Causal Graphical Models with Latent Variables: Learning and Inference. Studies in Computational Intelligence, 2008, , 219-249.	0.7	1
52	De l'utilisation d'OBDD pour la sélection de variables dans les perceptrons multicouches. Revue D'Intelligence Artificielle, 2001, 15, 373-391.	0.5	1
53	Efficiently Approximating Markov Tree Bagging for High-Dimensional Density Estimation. Lecture Notes in Computer Science, 2011, , 113-128.	1.0	1
54	Possibilistic MDL: A New Possibilistic Likelihood Based Score Function for Imprecise Data. Lecture Notes in Computer Science, 2017, , 435-445.	1.0	1

#	ARTICLE	IF	CITATIONS
55	DAPER Joint Learning from Partially Structured Graph Databases. Lecture Notes in Business Information Processing, 2018, , 129-138.	0.8	1
56	Qualitative Probabilistic Relational Models. Lecture Notes in Computer Science, 2018, , 276-289.	1.0	1
57	Graphical Event Model Learning and Verification for Security Assessment. Lecture Notes in Computer Science, 2019, , 245-252.	1.0	1
58	Editorial: Uncertainty in Artificial Intelligence and Databases. International Journal of Approximate Reasoning, 2013, 54, 825-826.	1.9	0
59	Imputation of Possibilistic Data for Structural Learning of Directed Acyclic Graphs. Lecture Notes in Computer Science, 2013, , 68-76.	1.0	0
60	Probabilistic Relational Models with clustering uncertainty. , 2015, , .		0
61	Learning Probabilistic Relational Models with (Partially Structured) Graph Databases. , 2017, , .		0
62	Mixture of Markov Trees for Bayesian Network Structure Learning with Small Datasets in High Dimensional Space. Lecture Notes in Computer Science, 2011, , 229-238.	1.0	0
63	A Probabilistic Semantics for Cognitive Maps. Lecture Notes in Computer Science, 2015, , 151-169.	1.0	0
64	CPD Tree Learning Using Contexts as Background Knowledge. Lecture Notes in Computer Science, 2015, , 356-365.	1.0	0
65	Latent Forests to Model Genetical Data for the Purpose of Multilocus Genome-Wide Association Studies. Which Clustering Should Be Chosen?. Communications in Computer and Information Science, 2015, , 169-189.	0.4	0
66	Apprentissage des réseaux possibilistes à partir de données. Revue D'Intelligence Artificielle, 2015, 29, 229-252.	0.5	0
67	A Hybrid Approach for Probabilistic Relational Models Structure Learning. Lecture Notes in Computer Science, 2016, , 38-49.	1.0	0
68	A Probabilistic Relational Model for Risk Assessment and Spatial Resources Management. Lecture Notes in Computer Science, 2019, , 555-563.	1.0	0
69	Multi-task Transfer Learning for Timescale Graphical Event Models. Lecture Notes in Computer Science, 2019, , 313-323.	1.0	0
70	Growing Hierarchical Self-Organizing Map for Alarm Filtering in Network Intrusion Detection Systems. , 2007, , 631-631.		0