Luis M De Campos

List of Publications by Year
in descending order

107 papers	2,556 citations	236833 25 h-index	214721 47 g-index
115 all docs	115 docs citations	115 times ranked	1376 citing authors

#	Article	IF	Citations
1	Analyzing tourist data on Twitter: a case study in the province of Granada at Spain. Journal of Hospitality and Tourism Insights, 2022, 5, 435-464.	2.2	9
2	LDA-based term profiles for expert finding in a political setting. Journal of Intelligent Information Systems, 2021, 56, 529-559.	2.8	7
3	Automatic construction of multi-faceted user profiles using text clustering and its application to expert recommendation and filtering problems. Knowledge-Based Systems, 2020, 190, 105337.	4.0	16
4	Combining gene expression data and prior knowledge for inferring gene regulatory networks via Bayesian networks using structural restrictions. Statistical Applications in Genetics and Molecular Biology, 2019, 18, .	0.2	6
5	Positive unlabeled learning for building recommender systems in a parliamentary setting. Information Sciences, 2018, 433-434, 221-232.	4.0	15
6	Predicting IR personalization performance using pre-retrieval query predictors. Journal of Intelligent Information Systems, 2018, 51, 597-620.	2.8	4
7	On the selection of the correct number of terms for profile construction: Theoretical and empirical analysis. Information Sciences, 2018, 430-431, 142-162.	4.0	1
8	Content-based recommendation for Academic Expert finding. , 2018, , .		0
9	PMSC-UGR: A Test Collection for Expert Recommendation Based on PubMed and Scopus. Lecture Notes in Computer Science, 2018, , 34-43.	1.0	2
10	Profile-based recommendation: A case study in a parliamentary context. Journal of Information Science, 2017, 43, 665-682.	2.0	6
11	Committee-Based Profiles for Politician Finding. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2017, 25, 21-36.	0.9	8
12	Comparing Machine Learning and Information Retrieval-Based Approaches for Filtering Documents in a Parliamentary Setting. Lecture Notes in Computer Science, 2017, , 64-77.	1.0	1
13	Comparing monolithic and committee-based profiles for politician recommendation. , 2016, , .		0
14	Use of textual and conceptual profiles for personalized retrieval of political documents. Knowledge-Based Systems, 2016, 112, 127-141.	4.0	10
15	Improving Automatic Classifiers Through Interaction. Lecture Notes in Computer Science, 2016, , 3-13.	1.0	0
16	An automatic methodology to evaluate personalized information retrieval systems. User Modeling and User-Adapted Interaction, 2015, 25, 1-37.	2.9	12
17	A Lazy Approach for Filtering Parliamentary Documents. Lecture Notes in Computer Science, 2015, , 364-378.	1.0	4
18	Concept Profiles for Filtering Parliamentary Documents. , 2015, , .		1

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19	Learning Parliamentary Profiles for Recommendation Tasks. Lecture Notes in Computer Science, 2015, , 187-197.	1.0	0
20	A probabilistic methodology for multilabel classification. Intelligent Data Analysis, 2014, 18, 911-926.	0.4	1
21	Using Personalization to Improve XML Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1280-1292.	4.0	13
22	Score-based methods for learning Markov boundaries by searching in constrained spaces. Data Mining and Knowledge Discovery, 2013, 26, 174-212.	2.4	13
23	XML search personalization strategies using query expansion, reranking and a search engine modification. , 2013, , .		4
24	Evaluation methods and strategies for the interactive use of classifiers. International Journal of Human Computer Studies, 2012, 70, 321-331.	3.7	3
25	Using past-prediction accuracy in recommender systems. Information Sciences, 2012, 199, 78-92.	4.0	27
26	Minimum redundancy maximum relevancy versus score-based methods for learning Markov boundaries. , 2011, , .		0
27	Bayesian networks classifiers for gene-expression data. , 2011, , .		10
28	Using second-hand information in collaborative recommender systems. Soft Computing, 2010, 14, 785-798.	2.1	7
29	Managing structured queries in probabilistic XML retrieval systems. Information Processing and Management, 2010, 46, 514-532.	5.4	5
30	Combining content-based and collaborative recommendations: A hybrid approach based on Bayesian networks. International Journal of Approximate Reasoning, 2010, 51, 785-799.	1.9	216
31	Probabilistic Methods for Link-Based Classification at INEX 2008. Lecture Notes in Computer Science, 2009, , 453-459.	1.0	3
32	Measuring predictive capability in collaborative filtering. , 2009, , .		8
33	Bayesian network models for hierarchical text classification from a thesaurus. International Journal of Approximate Reasoning, 2009, 50, 932-944.	1.9	27
34	Managing uncertainty in group recommending processes. User Modeling and User-Adapted Interaction, 2009, 19, 207-242.	2.9	44
35	An integrated system for managing the Andalusian Parliament's digital library. Data Technologies and Applications, 2009, 43, 156-174.	0.8	8
36	New Utility Models for the Garnata Information Retrieval System at INEXâ€™08. Lecture Notes in Computer Science, 2009, , 39-45.	1.0	4

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37	Thesaurus-Based Automatic Indexing. , 2009, , 331-345.		0
38	Content-Oriented Relevance Feedback in XML-IR Using the Garnata Information Retrieval System. Lecture Notes in Computer Science, 2009, , 617-628.	1.0	2
39	A collaborative recommender system based on probabilistic inference from fuzzy observations. Fuzzy Sets and Systems, 2008, 159, 1554-1576.	1.6	44
40	Hierarchical naive bayes models for representing user profiles. , 2008, , .		1
41	Probabilistic Methods for Structured Document Classification at INEXâ€™07. Lecture Notes in Computer Science, 2008, , 195-206.	1.0	4
42	The Garnata Information Retrieval System at INEXâ€™07. Lecture Notes in Computer Science, 2008, , 57-69.	1.0	3
43	USING STRUCTURAL KNOWLEDGE IN A CONTENT-BASED RECOMMENDER SYSTEM. , 2008, , .		0
44	Group Recommending: A methodological Approach based on Bayesian Networks. , 2007, , .		7
45	Bayesian network learning algorithms using structural restrictions. International Journal of Approximate Reasoning, 2007, 45, 233-254.	1.9	88
46	Influence Diagrams and Structured Retrieval: Garnata Implementing the SID and CID Models at INEXâ€™06. Lecture Notes in Computer Science, 2007, , 165-177.	1.0	3
47	Automatic Indexing from a Thesaurus Using Bayesian Networks: Application to the Classification of Parliamentary Initiatives. Lecture Notes in Computer Science, 2007, , 865-877.	1.0	6
48	A Theoretical Framework for Web Categorization in Hierarchical Directories using Bayesian Networks. Studies in Fuzziness and Soft Computing, 2006, , 25-43.	0.6	0
49	On the Use of Restrictions for Learning Bayesian Networks. Lecture Notes in Computer Science, 2005, , 174-185.	1.0	0
50	Learning Bayesian Network Classifiers: Searching in a Space of Partially Directed Acyclic Graphs. Machine Learning, 2005, 59, 213-235.	3.4	48
51	Improving the Context-Based Influence Diagram Model for Structured Document Retrieval: Removing Topological Restrictions and Adding New Evaluation Methods. Lecture Notes in Computer Science, 2005, , 215-229.	1.0	9
52	Bayesian networks and information retrieval: an introduction to the special issue. Information Processing and Management, 2004, 40, 727-733.	5.4	50
53	Using context information in structured document retrieval: an approach based on influence diagrams. Information Processing and Management, 2004, 40, 829-847.	5.4	21
54	A comparison of learning algorithms for Bayesian networks: a case study based on data from an emergency medical service. Artificial Intelligence in Medicine, 2004, 30, 215-232.	3.8	67

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55	Clustering terms in the Bayesian network retrieval model: a new approach with two term-layers. Applied Soft Computing Journal, 2004, 4, 149-158.	4.1	16
56	Partial Abductive Inference in Bayesian Networks by Using Probability Trees. , 2004, , 146-154.		3
57	Fast Propagation Algorithms for Singly Connected Networks and their Applications to Information Retrieval. Studies in Fuzziness and Soft Computing, 2004, , 271-288.	0.6	0
58	A Graphical Meta-Model for Reasoning about Bayesian Network Structure. Studies in Fuzziness and Soft Computing, 2004, , 201-216.	0.6	0
59	An iterated local search algorithm for learning Bayesian networks with restarts based on conditional independence tests. International Journal of Intelligent Systems, 2003, 18, 221-235.	3.3	17
60	An information retrieval model based on simple Bayesian networks. International Journal of Intelligent Systems, 2003, 18, 251-265.	3.3	41
61	Implementing relevance feedback in the Bayesian Network Retrieval model. Journal of the Association for Information Science and Technology, 2003, 54, 302-313.	2.6	9
62	The BNR model: foundations and performance of a Bayesian network-based retrieval model. International Journal of Approximate Reasoning, 2003, 34, 265-285.	1.9	43
63	Two term-layers: an alternative topology for representing term relationships in the Bayesian Network Retrieval Model. , 2003, , 213-223.		0
64	IMPROVING THE EFFICIENCY OF THE BAYESIAN NETWORK RETRIEVAL MODEL BY REDUCING RELATIONSHIPS BETWEEN TERMS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2003, 11, 101-116.	0.9	9
65	Ranking Structured Documents Using Utility Theory in the Bayesian Network Retrieval Model. Lecture Notes in Computer Science, 2003, , 168-182.	1.0	7
66	A Multi-layered Bayesian Network Model for Structured Document Retrieval. Lecture Notes in Computer Science, 2003, , 74-86.	1.0	14
67	Partial abductive inference in Bayesian belief networks - an evolutionary computation approach by using problem-specific genetic operators. IEEE Transactions on Evolutionary Computation, 2002, 6, 105-131.	7.5	29
68	Ant colony optimization for learning Bayesian networks. International Journal of Approximate Reasoning, 2002, 31, 291-311.	1.9	158
69	A Layered Bayesian Network Model for Document Retrieval. Lecture Notes in Computer Science, 2002, , 169-182.	1.0	16
70	On the Problem of Performing Exact Partial Abductive Inference in Bayesian Belief Networks using Junction Trees. Studies in Fuzziness and Soft Computing, 2002, , 289-302.	0.6	11
71	Stochastic Algorithms for Searching Causal Orderings in Bayesian Networks. Studies in Fuzziness and Soft Computing, 2002, , 327-340.	0.6	2
72	MEASUREMENT OF POSSIBILITY DISTRIBUTIONS. International Journal of General Systems, 2001, 30, 309-346.	1.2	13

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73	Accelerating chromosome evaluation for partial abductive inference in Bayesian networks by means of explanation set absorption. International Journal of Approximate Reasoning, 2001, 27, 121-142.	1.9	4
74	Estimating probability values from an incomplete dataset. International Journal of Approximate Reasoning, 2001, 27, 183-204.	1.9	2
75	A hybrid methodology for learning belief networks: BENEDICT. International Journal of Approximate Reasoning, 2001, 27, 235-262.	1.9	43
76	Partial abductive inference in Bayesian belief networks by simulated annealing. International Journal of Approximate Reasoning, 2001, 27, 263-283.	1.9	11
77	Stochastic Local Algorithms for Learning Belief Networks: Searching in the Space of the Orderings. Lecture Notes in Computer Science, 2001, , 228-239.	1.0	17
78	Relevance Feedback in the Bayesian Network Retrieval Model: An Approach Based on Term Instantiation. Lecture Notes in Computer Science, 2001, , 13-23.	1.0	2
79	Using Bayesian Networks to Model Emergency Medical Services. Lecture Notes in Computer Science, 2001, , 28-34.	1.0	0
80	A new approach for learning belief networks using independence criteria. International Journal of Approximate Reasoning, 2000, 24, 11-37.	1.9	89
81	Learning Right Sized Belief Networks by Means of a Hybrid Methodology. Lecture Notes in Computer Science, 2000, , 309-315.	1.0	3
82	Independence in Uncertainty Theories and Its Applications to Learning Belief Networks. , 2000, , 391-434.		1
83	Independence concepts in possibility theory: Part I. Fuzzy Sets and Systems, 1999, 103, 127-152.	1.6	49
84	Independence concepts in possibility theory: Part II. Fuzzy Sets and Systems, 1999, 103, 487-505.	1.6	23
85	Partial abductive inference in Bayesian belief networks using a genetic algorithm. Pattern Recognition Letters, 1999, 20, 1211-1217.	2.6	31
86	Independency relationships and learning algorithms for singly connected networks. Journal of Experimental and Theoretical Artificial Intelligence, 1998, 10, 511-549.	1.8	50
87	On the use of independence relationships for learning simplified belief networks. International Journal of Intelligent Systems, 1997, 12, 495-522.	3.3	19
88	Removing partial inconsistency in valuation-based systems. International Journal of Intelligent Systems, 1997, 12, 629-653.	3.3	3
89	Uncertainty management using probability intervals. Lecture Notes in Computer Science, 1995, , 190-199.	1.0	6
90	Axiomatic treatment of possibilistic independence. Lecture Notes in Computer Science, 1995, , 77-88.	1.0	12

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91	PROBABILITY INTERVALS: A TOOL FOR UNCERTAIN REASONING. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 1994, 02, 167-196.	0.9	225
92	Learning rules for a fuzzy inference model. Fuzzy Sets and Systems, 1993, 59, 247-257.	1.6	39
93	A fuzzy inference model based on an uncertainty forward propagation approach. International Journal of Approximate Reasoning, 1993, 9, 139-164.	1.9	5
94	Learning causal polytrees. Lecture Notes in Computer Science, 1993, , 180-185.	1.0	10
95	Partially Specified Belief Functions. , 1993, , 492-499.		2
96	Characterization and comparison of sugeno and choquet integrals. Fuzzy Sets and Systems, 1992, 52, 61-67.	1.6	93
97	Propagating uncertain information forward. International Journal of Intelligent Systems, 1992, 7, 15-24.	3.3	5
98	A unified approach to define fuzzy integrals. Fuzzy Sets and Systems, 1991, 39, 75-90.	1.6	36
99	Learning with CASTLE. Lecture Notes in Computer Science, 1991, , 97-106.	1.0	12
100	The concept of conditional fuzzy measure. International Journal of Intelligent Systems, 1990, 5, 237-246.	3.3	68
101	Distances between fuzzy measures through associated probabilities: Some applications. Fuzzy Sets and Systems, 1990, 35, 57-68.	1.6	23
102	Representation of fuzzy measures through probabilities. Fuzzy Sets and Systems, 1989, 31, 23-36.	1.6	66
103	A subjective approach for ranking fuzzy numbers. Fuzzy Sets and Systems, 1989, 29, 145-153.	1.6	284
104	Convergence properties of the monotone expectation and its application to the extension of fuzzy measures. Fuzzy Sets and Systems, 1989, 33, 201-212.	1.6	20
105	Building Bayesian network-based information retrieval systems. , 0, , .		12
106	An Information Retrieval System for Parliamentary Documents. , 0, , 203-223.		2
107	Retrieving Medical Records Using Bayesian Networks. , 0, , 2274-2280.		0