

Jesus Cid-Sueiro

List of Publications by Year in descending order

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65
papers

639
citations

687363

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752698

20
g-index

68
all docs

68
docs citations

68
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Cost functions to estimate a posteriori probabilities in multiclass problems. IEEE Transactions on Neural Networks, 1999, 10, 645-656.	4.2	62
2	A Model Selection Algorithm for a Posteriori Probability Estimation With Neural Networks. IEEE Transactions on Neural Networks, 2005, 16, 799-809.	4.2	45
3	Q-Probabilistic Routing in Wireless Sensor Networks. , 2007, , .		44
4	Recurrent radial basis function networks for optimal symbol-by-symbol equalization. Signal Processing, 1994, 40, 53-63.	3.7	38
5	Optimal Selective Forwarding for Energy Saving in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2011, 10, 164-175.	9.2	35
6	Class and subclass probability re-estimation to adapt a classifier in the presence of concept drift. Neurocomputing, 2011, 74, 2614-2623.	5.9	27
7	Optimal Selective Transmission under Energy Constraints in Sensor Networks. IEEE Transactions on Mobile Computing, 2009, 8, 1524-1538.	5.8	24
8	On the structure of strict sense Bayesian cost functions and its applications. IEEE Transactions on Neural Networks, 2001, 12, 445-455.	4.2	21
9	Selective forwarding for energy-efficient target tracking in sensor networks. Signal Processing, 2014, 94, 557-569.	3.7	21
10	Local Estimation of Posterior Class Probabilities to Minimize Classification Errors. IEEE Transactions on Neural Networks, 2004, 15, 309-317.	4.2	19
11	Student modeling based on fuzzy inference mechanisms. , 0, , .		17
12	Automatic placement of outer volume suppression slices in MR spectroscopic imaging of the human brain. Magnetic Resonance in Medicine, 2010, 63, 592-600.	3.0	17
13	Neural architectures for parametric estimation of a posteriori probabilities by constrained conditional density functions. , 0, , .		15
14	A Bayesian Decision Model for Intelligent Routing in Sensor Networks. , 2006, , .		15
15	Directional Transforms for Video Coding Based on Lifting on Graphs. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 933-946.	8.3	15
16	An MDP Model for Censoring in Harvesting Sensors: Optimal and Approximated Solutions. IEEE Journal on Selected Areas in Communications, 2015, , 1-1.	14.0	14
17	Loss functions to combine learning and decision in multiclass problems. Neurocomputing, 2005, 69, 3-17.	5.9	13
18	The BGP Visibility Toolkit: Detecting Anomalous Internet Routing Behavior. IEEE/ACM Transactions on Networking, 2016, 24, 1237-1250.	3.8	13

#	ARTICLE	IF	CITATIONS
19	Cost-Sensitive Classification Based on Bregman Divergences for Medical Diagnosis. , 2009, , .		12
20	Cost-sensitive learning based on Bregman divergences. Machine Learning, 2009, 76, 271-285.	5.4	11
21	Minimax classifiers based on neural networks. Pattern Recognition, 2005, 38, 29-39.	8.1	10
22	Separating wheat from chaff: Winnowing unintended prefixes using machine learning. , 2014, , .		9
23	Recurrent radial basis function networks for optimal blind equalization. , 0, , .		8
24	Robust joint channel and noise estimation in Bayesian blind equalizers. Signal Processing, 2004, 84, 535-548.	3.7	8
25	Modeling Link Events in High Reliability Networks With Support Vector Machines. IEEE Transactions on Reliability, 2010, 59, 191-202.	4.6	8
26	Soft-decision equalizers for in-service error rate monitoring. Signal Processing, 2000, 80, 741-744.	3.7	7
27	An entropy minimization principle for semi-supervised terrain classification. , 0, , .		6
28	Bayesian and RBF structures for wireless communications detection. , 2003, , .		6
29	Distributed target tracking with selective transmitters in energy-constrained sensor networks. , 2008, , .		6
30	Optimal variable step LMS look-up-table plus transversal filter nonlinear echo cancellers. , 1992, , .		5
31	Saturated Perceptrons for Maximum Margin and Minimum Misclassification Error. Neural Processing Letters, 2001, 14, 217-226.	3.2	5
32	A neuro-evolutionary framework for Bayesian blind equalization in digital communications. Signal Processing, 2003, 83, 325-338.	3.7	5
33	Recycling weak labels for multiclass classification. Neurocomputing, 2020, 400, 206-215.	5.9	5
34	Pao networks for data transmission equalization. , 0, , .		4
35	Estimates of constrained multi-class a posteriori probabilities in time series problems with neural networks. , 1999, , .		4
36	A Fixed-Point Algorithm to Minimax Learning With Neural Networks. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2004, 34, 383-392.	2.9	4

#	ARTICLE	IF	CITATIONS
37	A Universal Learning Rule That Minimizes Well-Formed Cost Functions. IEEE Transactions on Neural Networks, 2005, 16, 810-820.	4.2	4
38	Cost-sensitive and modular land-cover classification based on posterior probability estimates. International Journal of Remote Sensing, 2009, 30, 5877-5899.	2.9	4
39	Decentralized detection with energy-aware greedy selective sensors. , 2012, , .		4
40	Neural posterior probabilities for microcalcification detection in breast cancer diagnoses. , 0, , .		3
41	Energy-aware Geographic Forwarding of Prioritized Messages in Wireless Sensor Networks. , 2007, , .		3
42	Cooperative data censoring for energy-efficient communications in Sensor Networks. , 2011, , .		3
43	Censoring diffusion for harvesting WSNs. , 2015, , .		3
44	Digital Equalization Using Modular Neural Networks: an Overview. Information Technology: Transmission, Processing and Storage, 1996, , 337-345.	0.3	3
45	Validation of scientific topic models using graph analysis and corpus metadata. Scientometrics, 2022, 127, 5441-5458.	3.0	3
46	The Weak Supervision Landscape. , 2022, , .		3
47	<title>Estimating posterior probabilities for terrain classification with a softmax-based neural network</title>. , 2001, , .		2
48	Estimation of Posterior Probabilities with Neural Networks: Application to Microcalcification Detection in Breast Cancer Diagnosis. , 0, , 41-58.		2
49	A Rate Control Algorithm for Low-Delay H.264 Video Coding with Stored-B Pictures. , 2007, , .		2
50	Optimal Double Route Search in a Telecommunication Network: A Telecontrol Network Application. IEEE Transactions on Reliability, 2011, 60, 341-350.	4.6	2
51	Filter optimization and complexity reduction for video coding using graph-based transforms. , 2013, , .		2
52	Channel Equalization with Neural Networks. , 1996, , 257-312.		2
53	Critical Telecommunication Services Modeling in a Transmission System Power Operator. , 2009, , .		1
54	Asymptotic analysis of cooperative censoring policies in sensor networks. Ad Hoc Networks, 2015, 29, 63-77.	5.5	1

#	ARTICLE	IF	CITATIONS
55	Testing Selective Transmission with Low Power Listening. Lecture Notes in Computer Science, 2010, , 146-153.	1.3	1
56	Minimax strategies for training classifiers under unknown priors. , 0, , .		0
57	Loss functions to combine learning and decision in multiclass problems. , 0, , .		0
58	Content Understanding for Smart Multimedia Systems. , 2005, , .		0
59	Training Classifiers for Tree-Structured Sets of Categories. , 0, , .		0
60	Training Classifiers for Tree-structured Categories with Partially Labeled Data. Journal of Signal Processing Systems, 2007, 48, 53-65.	1.0	0
61	Cost-Sensitive Sequences of Bregman Divergences. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1896-1904.	11.3	0
62	Optimized Update/Prediction Assignment for Lifting Transforms on Graphs. IEEE Transactions on Signal Processing, 2018, 66, 2098-2111.	5.3	0
63	Neural Minimax Classifiers. Lecture Notes in Computer Science, 2002, , 408-413.	1.3	0
64	Cost-Sensitive Learning Based on Bregman Divergences. Lecture Notes in Computer Science, 2009, , 12-12.	1.3	0
65	I-Gaia. , 2002, , .		0