

Selected Publications

Journal Articles:

1. N. Zhong, Y. Li, and S.-T. Wu, "Effective Pattern Discovery for Text Mining". Accepted by *IEEE Transactions on Knowledge and Data Engineering*, 14th June 2010.
2. X. Tao, Y. Li, and N. Zhong, "A Personalized Ontology Model for Web Information Gathering". Accepted by *IEEE Transactions on Knowledge and Data Engineering*, 1st December 2009.
3. X. Tao, Y. Li, and N. Zhong, "A Knowledge-based Model Using Ontologies for Personalized Web Information Gathering", to appear in *Web Intelligence and Agent Systems, an International Journal*, 2010.
4. R. Y. Lau, D. Song, Y. Li, T. Cheung, and J. X. Hao, Towards A Fuzzy Domain Ontology Extraction Method for Adaptive e-Learning", *IEEE Transactions on Knowledge and Data Engineering*, 2009, Vol. 21, No. 6, pp. 800-813.
5. Y. Xu, G. Shaw, and Y. Li, "Concise Representations for Association rules in Multi-level Datasets", *International Journal of Systems Science and Systems Engineering*, 2009. Vol. 18, No. 1, pp. 53-70.
6. X. Tao, Y. Li, and R. Nayak, "A Knowledge Retrieval Model Using Ontology Mining and User Profiling", *Integrated Computer-Aided Engineering*, 2008, 15(4), pp313-329.
7. R. Y. Lau, O. Wong, Y. Li, and L.C.K. Ma, Mining Trading Partners' Preferences for Efficient Multi-Issue Bargaining in e-Business, *Journal of Management Information Systems*, 2008, Vol. 25, No. 1, pp. 81-106.
8. R. Y. Lau, Y. Li, D. Song, and R. C.-H. Kwok, Knowledge Discovery for Adaptive Negotiation Agents in e-Marketplaces, *Decision Support Systems*, 2008, Vol. 45, pp. 310-323.
9. Y. Xu, Y. Li and G. Shaw, A reliable basis for approximation association rules, *The IEEE Intelligent Informatics Bulletin*, 2008, Vol. 9, No. 1, pp. 25-31.
10. W. Yang, Y. Li, J. Wu and Y. Xu, Granule Mining Oriented Data Warehousing Model for Representations of Multidimensional Association Rules, *International Journal of Intelligent Information and Database Systems*, 2008, Vol. 2, No. 1, pp. 125-145.
11. Y. Li and N. Zhong, Mining Rough Association from Text Documents for Web Information Gathering, *Transactions on Rough Sets VII*, LNCS 4400, 2007, pp. 103-119.
12. J. King, Y. Li, X. Tao and R. Nayak, Mining world knowledge for analysis of search engine content, *Web Intelligence and Agent Systems: an International Journal*, 2007, Vol. 5, No. 3, pp.233-253.
13. Y. Xu and Y. Li, Mining Non-redundant Association Rule based on Concise Bases, *International Journal of Pattern Recognition and Artificial Intelligence*, 2007, Vol. 21, No. 4, pp. 695-675.
14. R.Y. Lau, Y. Li, S.T. Wu and X. Zhou, Sequential Pattern Mining and Nonmonotonic Reasoning for Intelligent Information Retrieval, *International Journal of Pattern Recognition and Artificial Intelligence*, 2007, Vol. 21, No. 4, pp. 773-789.
15. Y. Li and N. Zhong, Mining ontology for automatically acquiring Web user information needs, *IEEE Transactions on Knowledge and Data Engineering*, Vol. 18 No. 4, 2006, pp. 554-568.
16. J. King, Y. Li, P.D. Bruza and R. Nayak, Preliminary investigations into ontology-based collection selection, *Australian Journal of Intelligent Information Processing Systems*, Vol 9, No. 2 pp 33-40, 2006.
17. Y. Li and N. Zhong, Web mining model and its applications on information gathering, *Knowledge-Based Systems*, 2004, Vol. 17, pp. 207-217.
18. Y. Li, C. Zhang, and S. Zhang, Cooperative strategy for Web data mining and cleaning, *Applied Artificial Intelligence*, 2003, Vol 17 No 5-6, pp. 443-460.

Conference papers

19. Li Y, Algarni A, Zhong N, (2010) Mining Positive and Negative Patterns for Relevance Feature Discovery, accepted for full presentation at *16th ACM SIGKDD Conference on Knowledge Discovery and Data Mining*, Washington, USA (*KDD 2010*)
20. Liang H, Xu Y, Li Y, and Nayak R, (2010) Connecting Users and Items with Weighted Tags for Personalized Item Recommendations. Accepted by *21st ACM Conference on Hypertext and Hypermedia*, 2010, Toronto, Canada
21. Lau R, Lai C, Li Y, (2009) Leveraging the web context for context-sensitive opinion mining, *Proceedings of 2nd IEEE International Conference on Computer Science and Information Technology*, p467-471
22. Algarni A, Li Y, Xu Y, Lau R, (2009) An effective model of using negative relevance feedback for information filtering, *Proceeding of the eighteenth ACM Conference on Information and Knowledge Management (CIKM 2009)*, p1605-1608.

23. Sangeetha Kutty, Richi Nayak, Yuefeng Li: XCFS: an XML documents clustering approach using both the structure and the content. *CIKM 2009*: 1729-1732.
24. Sangeetha Kutty, Richi Nayak, Yuefeng Li: HCX: an efficient hybrid clustering approach for XML documents. *ACM Symposium on Document Engineering 2009*: 94-97.
25. Tao D, Li Y, (2009) A user profiles acquiring approach using pseudo-relevance feedback, *Rough Sets and Knowledge Technology: fourth international conference*, p658-665 (**Best Student Paper**)
26. Li Y, Algarni A, Wu S, Xu Y, (2009) Mining negative relevance feedback for information filtering, *Proceeding of the 2009 IEEE/WIC/ACM International Conference on Web Intelligence*, p606-613
27. Huizhi Liang, Yue Xu, Yuefeng Li, Richi Nayak, Li-Tung Weng: Personalized Recommender Systems Integrating Social Tags and Item Taxonomy. *Web Intelligence 2009*: 540-547
28. L-T Weng, Y. Xu, Y. Li, and R. Nayak, Web Information Recommendation Making based on Item Taxonomy, *10th International Conference on Enterprise Information Systems*, June 2008, Barcelona, Spain, pp. 20-28. (**Best Paper**)
29. Yuefeng Li, Xujian Zhou, Peter Bruza, Yue Xu, Raymond Y. K. Lau: A two-stage text mining model for information filtering. *CIKM 2008*, USA, 1023-1032.
30. Yuefeng Li, Sheng-Tang Wu, Xiaohui Tao: Effective pattern taxonomy mining in text documents. *CIKM 2008*: 1509-1510.
31. Y. Li, N. Zhong, Ontology Based Web Data Mining for Information Gathering, N. Zhong et al (eds), *Web Intelligence Meets Brain Informatics*, LNCS 4845, State-of-the-Art Survey, Springer (2007) 406-427 (**Invited talk**).
32. X. Tao, Y. Li and R. Nayak, Ontology Mining for Semantic Interpretation of Information Needs. *Knowledge Science, Engineering and Management, Second International Conference (KSEM) 2007*, Melbourne, Australia, pages 313-324. (**Best paper Runner-up**)
33. Y. Xu and Y. Li, Generating concise association rules, *ACM 16th Conference on Information and Knowledge Management (CIKM 2007)*, Lisboa, Portugal, pages 781-790.
34. R. Y. Lau, Y. Li and Y. Xu, Mining fuzzy domain ontology from textual databases, *IEEE/WIC/ACM international Conference on Web Intelligence*, Silicon Valley, USA, 2007, pages 156-162.
35. X. Zhou, Y. Li, P. Bruza, S. T. Wu, Y. Xu and R. Y. Lau, Using information filtering in Web data mining process, *IEEE/WIC/ACM international Conference on Web Intelligence*, Silicon Valley, USA, 2007, pages 163-169.
36. X. Tao, Y. Li, N. Zhong, and R. Nayak. Ontology mining for personalized web information gathering. *IEEE/WIC/ACM international Conference on Web Intelligence*, Silicon Valley, USA, 2007, pages 351-358.
37. Y. Li, W. Yang and Y. Xu, Multi-Tier Granule Mining for Representations of Multidimensional Association Rules, *6th IEEE International Conference on Data Mining (ICDM 2006)*, Hong Kong, 2006, 953-958.
38. S.T. Wu, Y. Li and Y. Xu, Deploying Approaches for Pattern Refinement in Text Mining, *6th IEEE International Conference on Data Mining (ICDM 2006)*, Hong Kong, 2006, 1157-1161.
39. Y. Li and N. Zhong, Mining Rough Association from Text Documents, *5th International Conference on Rough Sets and Current Trends in Computing (RSCTC 2006)*, Kobe, Japan, 2006, 368-377.
40. Y. Li and N. Zhong, Rough Association Rule Mining in Text Documents for Acquiring Web User Information Needs, *IEEE/WIC/ACM International Conference on Web Intelligence (WI 2006)*, Hong Kong, 2006, 226-232.
41. X. Zhou, S.T. Wu, Y. Li, Y. Xu, R.Y.K. Lau and P. Bruza, Utilizing Search Intent in Topic Ontology-based User Profile for Web Mining, *IEEE/WIC/ACM International Conference on Web Intelligence (WI 2006)*, Hong Kong, 2006, 558-561.
42. X. Tao, Y. Li, N. Zhong and R. Nayak, Automatically Acquiring Training Sets for Web Information Gathering", *IEEE/WIC/ACM International Conference on Web Intelligence (WI 2006)*, Hong Kong, 2006, 532-535.
43. L.-T. Weng, Y. Xu, Y. Li and R. Nayak, Distributed Recommender Profiling and Selection With Gittins Indices, *IEEE/WIC/ACM International Conference on Web Intelligence (WI 2006)*, Hong Kong, 2006, 790-793.
44. Y. Li, B. Murphy and N. Zhong, Mining Interesting Topics for Web Information Gathering and Web Personalization, *IEEE/WIC/ACM International Conference on Web Intelligence (WI 2005)*, 2005, France, pp. 305-308.
45. Y. Li and N. Zhong, Capturing evolving patterns for ontology-based Web mining, *IEEE/WIC/ACM International Conference on Web Intelligence (WI 2004)*, 2004, Beijing, China, 2004, pp. 256-263.
46. Y. Li, S.-T. Wu and Y. Xu, Deploying association rules on hypothesis spaces, *International Conference on Computational Intelligence for Modeling, Control and Automation*, Gold Coast, Australia, 2004, pp. 769-778.
47. S.-T. Wu, Y. Li, Y. Xu, B. Pham and P. Chen, Automatic pattern taxonomy extraction for Web mining, *IEEE/WIC/ACM International Conference on Web Intelligence (WI 2004)*, Beijing, China, 2004, pp. 242-248.

48. D. Zhang, B. Pham and Y. Li, Modeling Traditional Chinese Paintings for Content-Based Image Classification and Retrieval, *10th International Multimedia Modeling Conference*, 2004, pp. 258-264.
49. Y. Li and N. Zhong, Interpretations of association rules by granular computing, *3rd IEEE International Conference on Data Mining (ICDM 2003)*, USA, 2003, 593-596.
50. Y. Li and N. Zhong, Ontology-based Web mining model, *IEEE/WIC International Conference on Web Intelligence (WI 2003)*, Canada, 2003, pp. 96-103.
51. J. King and Y. Li, Web based collection selection, *IEEE/WIC International Conference on Web Intelligence (WI 2003)*, Canada, 2003, pp. 104-110.

Books:

52. Y. Li, G. Pasi, C. Zhang, N. Cercone and L. Cao, *Proceedings of 2008 IEEE/WIC/ACM International Conferences on Web Intelligence and Intelligent Agent Technology Workshops*, IEEE Computer Society, Sydney, Australia, 2008.
53. Y. Li, V. V. Raghavan, A. Broder and H. Ho, *Proceedings of 2007 IEEE/WIC/ACM International Conferences on Web Intelligence and Intelligent Agent Technology Workshops*, IEEE Computer Society, Silicon Valley, USA, 2007.
54. Y. Li, M. Looi and N. Zhong (eds.), *Advances in Intelligent IT: Active Media Technology 2006*, Frontiers in Artificial Intelligence and Applications, IOS Press, Amsterdam, 2006.
55. H. Tarumi, Y. Li and T. Yoshida, *Proceedings of the 2005 International Conference on Active Media Technology*, IEEE Inc., 2005, (ISBN: 0-7803-9035-0).

Book Chapters:

56. Y. Li, DATA WAREHOUSING FOR ASSOCIATION MINING, A chapter in *Encyclopedia of Data Warehousing and Mining (Second Edition)*, Idea Group, Inc., 2008.
57. W. Yang, Y. Li and Y. Xu, *Granule Based Inter-transaction Association Rule Mining*, (a book chapter), in *Tools in Artificial Intelligence*, I-Tech, 2008, pp.455-472.
58. Y. Li and X. Tao, Ontology Mining for Personalized Search, (a book chapter), in L. Cao et al., (eds.): *Data Mining for Business Applications*, 2009, pp. 63-78.

Special Issue (Guest Editor):

59. Special Issue (Edited by Y. Li and N. Zhong): "*Active Media Technology for Intelligent IT*", International Journal of Pattern Recognition and Artificial Intelligence, 2007, Vol. 21, No. 4, pp. 607 - 807.