

Literature-based Discovery

Contemporary Scientific Practice. 13 Neil R. Smalheiser and Vettl. Torvik The Tip of the Iceberg: The Quest for Innovation at the Base of the Pyramid. 23 M. D. Gordon and N. F. Awad The 'Open Discovery' Challenge. 39 Jonathan D. Wren Where is the Discovery in Literature-Based Discovery?. 57 R. N. Kostoff Part II Methodology and Applications Analyzing LBD Methods using a General Framework. 75 A. K. Sehgal, X. Y. Qiu, and P. Srinivasan Evaluation of Literature-Based Discovery Systems. 101 M. Yetisgen-Yildiz and W. Pratt vii viii Contents Factor Analytic Approach to Transitive Text Mining using Medline Descriptors. 115 J. Stegmann and G. Grohmann Literature-Based Knowledge Discovery using Natural Language Processing. 133 D. Hristovski, C. Friedman, T. C. Rindesch, and B. Peterlin Information Retrieval in Literature-Based Discovery. 153 W. Hersh Biomedical Application of Knowledge Discovery. 173 A. Koike Index. 193 Contributors Neveen Farag Awad School of Business, Wayne State University, USA Carol Friedman Department of Biomedical Informatics, Columbia University, 622 West 168 St, New York, NY 10032, USA Michael D. Gordon Ross School of Business, University of Michigan, USA mdgordon@umich.edu Guenter Grohmann Charité-Institute of Medical Informatics, 12203 Berlin, Germany guenter.grohmann@charite.de William Hersh Department of Medical Informatics and Clinical Epidemiology, School of Medicine, Oregon Health and Science University, 3181 SW Sam Jackson Park Rd., Portland, OR 97239, USA hersh@ohsu.edu Dimitar Hristovski Institute of Biomedical Informatics, Medical Faculty, University of Ljubljana, Vrazov trg 2/2, 1104 Ljubljana, Slovenia dimitar.hristovski@mf.uni-lj.si Asako Koike Central Research Laboratory, Hitachi Ltd.

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