

PUBLICATIONS 2016

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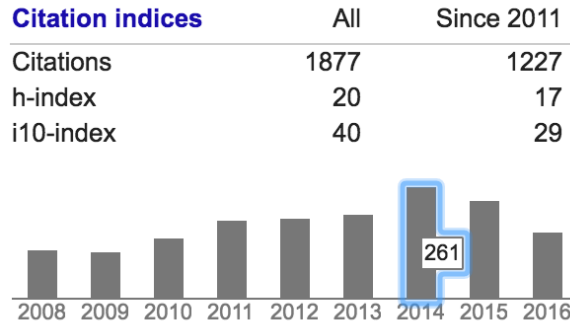


FIGURE 1. Citation report compiled by Google Scholar (September 2016).

1. JOURNAL ARTICLES

Citation numbers are from ISI Web of Science, it only counts references from (non-self) citing Journal papers. '*' means written *

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- J5 Pelckmans K., J. De Brabanter, J.A.K. Suykens, B. De Moor (2005). Handling Missing Values In Support Vector Machine Classifiers, *Neural Networks*, vol. 18, pp. 684-692 [Number of citations: 7, *].
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- J11 Babu P., Pelckmans K., Stoica P., Li J. (2010). Linear Systems, Sparse Solutions, and Sudoku, *IEEE Signal Processing Letters*, vol. 17, no 1 [Number of Citations 0]
- J12 Pelckmans K., J. De Brabanter., J.A.K. Suykens, B. De Moor (2009). Least Conservative Support and Tolerance Tubes, *IEEE Transactions on Information Theory*, vol. 55, no. 8, Aug. 2009, pp. 3799-3806 [Number of Citations 0].
- J13 Suykens J.A.K., Alzate C., Pelckmans K. (2010). Primal and dual model representations in kernel-based learning, *Statistics Surveys*, 4, 2010, pp. 148-183 [Number of Citations 0]
- J14 Van Belle V., Pelckmans K., Van Huffel S., Suykens J.A.K.(2010), Improved Performance on High-Dimensional Survival Data by Application of Survival-SVM. *Bioinformatics*. vol. 27, no. 1, Jan. 2011, pp. 87-94. [Number of Citations 0].
- J15 Van Belle V., Pelckmans K., Suykens J.A.K., Van Huffel S. (2011) Learning Transformation Models for Ranking and Survival Analysis. *Journal of Machine Learning Research*, vol. 12, 2011, pp. 819-862. [Number of Citations 2].
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- J19 Falck T., Dreesen P., De Brabanter K., Pelckmans K., De Moor B., Suykens J.A.K. (2012) Least-Squares Support Vector Machines for the identification of Wiener-Hammerstein systems. *Control Engineering Practice*, Vol. 20, no. 11, 2012, pp. 1165–1174. [Number of Citations 0]
- J20 Nygren J., Pelckmans K., and Carlsson B.. Approximate adjoint-based iterative learning control. In *International Journal of Control*, volume 87, number 5, pp 1028-1046, 2014.
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- J26 Stoica A., Pelckmans K., Rowe, W. System components of a general theory of software engineering. *Science of Computer Programming*, 101: 42-65 (2015).
- J27 L. Yang, Pelckmans K., 'Machine Learning Approaches to Survival Analysis: Case Studies in Microarray for Breast Cancer', in *International Journal of Machine Learning and Computing* vol. 4, no. 6, pp. 483-490, 2014.
- J28 Nygren J. and Pelckmans K. A direct proof of the discrete time multivariate circle and Tsytkin criteria. *IEEE Transactions on Automatic Control*, vol. 61, no. 2, pages 1-6, February 2016.

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- C15 De Brabanter J., K. Pelckmans, J.A.K. Suykens, B. De Moor (2006). Generalized Likelihood Ratio Statistics based on Bootstrap Techniques for Autoregressive models. *14th*

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- C32 Pelckmans K., J.A.K. Suykens (2009). Transductively Learning from Positive Examples Only. *European Symposium on Artificial Neural Networks (ESANN2009)*, Bruges, Belgium, Mar. 2009, pp. 23-28.
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- C44 K. Pelckmans, Primal-Dual Instrumental Variable Estimators. Symposium on System Identification (SYSID), 2012.
- C45 K. Pelckmans, J.A.K. Suykens, Special Session on Convex Optimization for System Identification. Symposium on System Identification (SYSID) 2012.
- C46 K. Pelckmans, L. Dai, Er-Wei Bai, On the Convergence Analysis of the MINLIP Estimator. Symposium on System Identification (SYSID) 2012.
- C47 K. Pelckmans, On the Competitive Performance of Second-Order Algorithms. Symposium on System Identification (SYSID) 2012.
- C48 L. Dai, Pelckmans K., An Online Algorithm for Controlling a Monotone Wiener System, Chinese Conference on Decision and Control (CCDC), 2012.
- C49 L. Dai Pelckmans K., An Ellipsoid-Based, Two-Stage Screening Test for BPDN. Signal Processing Conference (EUSIPCO), 2012 Proceedings of the 20th European, 2012.

- C50 J. Nygren, K. Pelckmans, Stability analysis of an adaptively sampled controller for SISO systems with nonlinear feedback, In Proc. American Control Conference (ACC) 2015.
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3. PREPRINTS

Most can be found integral on my website <http://www.it.uu.se/katalog/kripe367>. Those are included as they are cited in the project description.

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- S3 Van Belle V., Pelckmans K., Van Huffel S., Suykens J.A.K.(2009) Support vector methods for survival analysis in clinical applications: a combined ranking-regression approach. Submitted.
- S5 Pelckmans K. (2010) Randomized Exchange Algorithms and Permutation Processes.
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- S11 Zeng H., Pelckmans K. (2016), Longitudinal Support Vector Machines.

4. BOOK CHAPTER AND SURVEY ARTICLES

- B1 Pelckmans K., I. Goethals, J. De Brabanter, J.A.K. Suykens, B. De Moor (2005). *Componentwise Least Squares Support Vector Machines*, in Support Vector Machines: Theory and Applications, (Wang L., ed.), series Studies in Fuzziness and Soft Computing, Vol. 177, ISBN: 3-540-24388-7, DOI: 10.1007/b95439, Springer-Verlag GmbH, 2005, *.
- B2 Goethals I., Pelckmans K., Falck T. Suykens J.A.K., De Moor B. (2010) NARX Identification of Hammerstein Systems using Least-Squares Support Vector Machines Invited Book Chapter on 'Block-oriented Nonlinear System Identification', ed. Er-Wei Bai and Fouad Giri.

5. PUBLICLY AVAILABLE COMPUTER PROGRAMS

- S1 Pelckmans K., J.A.K. Suykens., T. Van Gestel, J. De Brabanter, L. Lukas, B. Hamers, B. De Moor, J. Vandewalle (2002). LS-SVMLab : a Matlab/C toolbox for Least Squares Support Vector Machines.
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A Toolbox for survival analysis in Matlab. Available at <http://user.it.uu.se/~kripe367/survlab/>