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## SCHOLARLY PUBLICATIONS AND CREATIVE ACHIEVEMENTS

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### BOOKS:

*JavaScript Hands on Learning*, 2016. 319 pages. ISBN-13: 978-0-9982738-0-8. URL:  
<https://www.amazon.com/JavaScript-Hands-Learning-interactive-development/dp/0998273805>

Zhong, W., Chi, J., J. Wang and Mei, S. *Information Technology, Scientific and Technical Documents*. Beijing, China: Publishing House, 2005.

### ARTICLES (in refereed journals):

Schulze-Halberg, A. and Wang, J., "Two-parameter double-oscillator model of Mathews-Lakshmanan type: series solutions and supersymmetric partners" *Journal of Mathematical Physics* vol.7. (2015), 072106.

Schulze-Halberg, A. and Wang, J., "Confluent supersymmetric partners of quantum systems emerging from the spheroidal equation" *Symmetry*. 57(6) (2015), 412-426.

Wang, J., "Constrained matrix factorization for financial data clustering" *Intelligent Data Analysis* 19(2) (2015), 315-342.

Schulze-Halberg, A. and Wang, J., "Bound state solutions of the Klein-Gordon equation for the Mathews-Lakshmanan oscillator" *Few-Body Syst.* 55 (2014), 1223-1232.

(With Wang, X., et al.) "Incorporating auxiliary information in collaborative filtering data update with privacy preservation" *International Journal of Advanced Computer Science and Applications* 5(4) (2014), 224-235.

(With Hu, G., et al.) "A hierarchical model of e-Government service capability: an empirical analysis" *Government Information Quarterly* 29(4) (2012), 564-572.

Wang, J., Zhan, J. and Zhang, J. "Towards real-time performance of data privacy protection." *International Journal of Granular Computing Rough Sets and Intelligent Systems* 1(4) (2010), 329-342.

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Wang, J., Zhang, J., Zhong, W. and Xu, S. "A novel data distortion approach via selective SSVD for privacy protection." Special Issue of the *International Journal of Information and Computer Security on Security and Privacy Aspects of Data Mining*, 2(1) (2008), 48-70.

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Wang J., Zhong, W. and Zhang, J. "A general meshsize fourth-order compact difference discretization scheme for 3D poisson equation." *Applied Mathematics and Computation* 183(2) (2006), 804-812.

Xu, S., Zhang, J., Han, D. and Wang, J. "A singular value decomposition based data distortion strategy for privacy protection." *Knowledge and Information Systems* 10(3) (2006), 383-397.

Wang J. and Lin, J. "Application of XML technology to electronic commerce systems." *Journal of Nanjing University of Chemical Technology* (Natural Science Edition) (Chinese), 23(5) (2001), 36-40.

Wang, J. "Improved network simulation algorithm and its implementation." *Journal of Nanjing University of Chemical Technology* (Natural Science Edition) (Chinese), 22(4) (2000), 39-42.

ARTICLES (in refereed conference proceedings):

Liang, X. and Wang, J. "Using fourier descriptor features in the classification of white matter fiber tracts in DTI" *Proceedings of Intl. Conf. on Computational and Information Sciences*. vol.1, June 2013, 694-697.

Wang, J. and Liang, X. "Discovering the rating pattern of online reviewers through data coclustering" *Proceedings of IEEE Conference on Intelligence and Security Informatics*. Vol. 1 June 2013, 374-376.

Lin, E., Fang, S. and Wang, J. "Mining online book reviews for sentimental clustering" *Proceedings of the 27<sup>th</sup> IEEE Intl. Conf. on Advanced Information Networking and Application*. March 2013. 179-184.

Wang, J. "Stock trend extraction via matrix factorization" *Proceedings of 2012 Intl. Conf. on Advanced Data Mining and Application*. Volume 7713, December 2012. 516-526.

Wang, J. and Zhang, J. "Customizing privacy protection in data publishing" *Proceedings of 2012 Intl. Conf. on Business Computing and Global Informatization*, October 2012. 596-602.

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(With Hu, G. et. al) "Impact antecedents of e-Government content service capability: an exploratory empirical study" *Proceedings of 2011 Intl. Conf. on Business Computing and Global Informatization*. 2011. 188-191.

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- Wang J., J. Zhang, G. Hu and J. M. Grogan. "An experimental study of matrix based data distortion methods." *Proceedings of Intl. Conf. on Computational and Information Sciences*, Chengdu, China, December 17-19, 2010, 952-955.
- Liu L., J. Liu, J. Zhang and J. Wang. "Privacy preservation of affinities in social networks." *Proceedings of the Intl. Conf. on Information Systems*, Porto, Portugal, March 18-20, 2010, 372-376.
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- Lin, Z., J. Wang, L. Liu and J. Zhang. "Generalized random rotation perturbation for vertically partitioned data set." *Proceedings of IEEE Symposium on Computational Intelligence and Data Mining*, Nashville, TN, March 30-April 2, 2009, 159-162.
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- Wang, J., J. Zhang, L. Liu and D. Han. "Simultaneous data and pattern hiding in unsupervised learning." *7th IEEE Intl. Conf. on Data Mining-icdmw*, Omaha, NE, October 28, 2007, 729- 734.
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**Revised:** 02/10/17