

Computer Science Publications Fall 2013, Spring and Summer 2014

- Agrawal, A., Perl, Y., Chen, Y., Elhanan, G., Liu, M. (2013). *Identifying inconsistencies in SNOMED CT problem lists using structural indicators* (pp. 17-26). Washington DC: American Medical Informatics Association (AMIA) Annual Symposium.
- Aksoy, C., Dass, A., Theodoratos, D., Wu, X. (2014). In Feifei Li, Guoliang Li, Seung-won Hwang, Bin Yao, Zhenjie Zhang (Ed.), *Clustering Query Results to Support Keyword Search on Tree Data*. (pp. 12 pages (213-224)). 15th International Conference on Web-Age Information Management (WAIM), Proceedings Publisher: Springer.
- Banerji, S., Sinha, A., Liu, C. (2013). *HaarHOG: Improving the HOG Descriptor for Image Classification*. Manchester: IEEE International Conference on Systems, Man, and Cybernetics.
- Banerji, S., Sinha, A., Liu, C. (2013). New Image Descriptors based on Color, Texture, Shape, and Wavelets for Object and Scene Image Classification. *Neurocomputing*, 117, 173-185.
- Ben Aissa, A., Ben Arfa, L., Abercrombie, R., Mili, A., Sheldon, F. (2014). *Quantifying availability in SCADA environments using the cyber security metric MFC* (pp. 81-84). Oak Ridge, TN: Oak Ridge National Laboratory
- Bitler, B. G., Fink, F. S., Wei, Z., Peterson, J. R., Zhang, R. (2013). A High-Content Screening Assay for Small-Molecule Modulators of Oncogene-Induced Senescence. *Journal of biomolecular screening*, 18(9), 1054-61.
- Borcea, C. M. (2014). *Internet Of Things: New Architecture Needed*. Information Week. www.informationweek.com/big-data/hardware-architectures/internet-of-things-new-architecture-needed/a/d-id/1278882?
- Boston, D., Mardenfeld, S., Juan Pan, S., Jones, Q., Lamnitchi, A., Borcea, C. M. (2014). Leveraging Bluetooth co-location traces in group discovery algorithms. *Pervasive and Mobile Computing*, 11, 88--105. www.sciencedirect.com/science/article/pii/S1574119212001319
- Bruce, B. A., Li, J., McDonough, J. M., Wei, Z., Kim, C., Chiavacci, R., Mentch, F., Caboot, J. B., Spergel, J., Allen, J. L., Sleiman, P. M., Hakonarson, H. (2013). Gene Network Analysis in a Pediatric Cohort Identifies Novel Lung Function Genes. *PLOS ONE*, 8(9), e72899.
- Byron, K., Wang, J. T., Wen, D. (2014). Genome-Wide Prediction of Coaxial Helical Stacking Using Random Forests and Covariance Models. *International Journal on Artificial Intelligence Tools*, 23(3), 1460008 (15 pages).
- Calvin, J. M., Nakayama, M. K. (2013). In R. Pasupathy, S.-H. Kim, A. Tolk, R. Hill, and M. E. Kuhl (Ed.), *Confidence Intervals for Quantiles with Standardized Time Series* (vol. 2013, pp. 601-612). Hanover, MD: Proceedings of the 2013 Winter Simulation Conference. <http://informs-sim.org/wsc13papers/includes/files/051.pdf>
- Cardinale, C., Wei, Z., Li, J., Zhu, J., Gu, M., Baldassano, R., Grant, S., Hakonarson, H. (2014). Transcriptome Profiling of Human Ulcerative Colitis Mucosa Reveals Altered Expression of Pathways Enriched in Genetic Susceptibility Loci. *PLOS ONE*, 9(5), e96153.
- Cardinale, C., Wei, Z., Li, J., Zhu, J., Baldassano, R., Grant, S., Hakonarson, H. (2013). Expression of Transcripts in Ulcerative Colitis Biopsies and Genome-wide Association Study

- Loci Overlap Substantially in Pathway-based Analysis. *Inflammatory Bowel Diseases*, 19, S14.
- Chen, B., Curtmola, R. (2014). *Auditable Version Control Systems* (pp. 1-16). Proc. of the 21st Annual Network & Distributed System Security Symposium (NDSS '14).
www.internetsociety.org/doc/auditable-version-control-systems
- Chen, S., Liu, C. (2014). Clustering-based Discriminant Analysis for Eye Detection. *IEEE Transactions on Image Processing*, 23(4), 1629-1638.
- Chun, S. A., Geller, J., Wali, A. (2014). *Developing Cyber Security Ontology and Linked Data of Security Knowledge Network*. Pensacola, FL: The 27th International Conference of the Florida Artificial Intelligence Research Society (Flairs-27).
- Curtmola, R., Carpinelli, J. D., Hirsch, L. S., Kimmel, H. S., Burr-Alexander, L. E. (2014). In N/A (Ed.), *Cloud Computing for Education: A Professional Development Program for High School Teachers* (N/A ed., vol. N/A, pp. 18 pages). Washington, DC: Proceedings of the 2014 American Society for Engineering Education Annual Conference. www.asee.org
- Debnath, H., Borcea, C. M. (2013). In IEEE (Ed.), *TagPix: Automatic Real-time Landscape Photo Tagging For Smartphones* (pp. 9). The 6th International Conference on Mobile Wireless Middleware, Operating Systems, and Applications (Mobilware 2013).
mobilware.org/show/home
- Ding, X., USENIX Annual Technical Conference 2014, "Gleaner: Mitigating the Blocked-Waiter Wakeup Problem for Virtualized Multicore Applications'," Philadelphia, PA. (June 19, 2014).
- Ding, X., Gibbons, P. B., Kozuch, M. A., Shan, J. (2014). *Gleaner: Mitigating the Blocked-Waiter Wakeup Problem for Virtualized Multicore Applications'* (vol. 2014). USENIX Annual Technical Conference (USENIX ATC 2014).
www.usenix.org/conference/atc14/technical-sessions
- Downey, M., Boyle, T. J., Nakayama, M. K. (2014). *Efficient Algorithms for Analyzing Cascading Failures in a Markovian Dependability Model* (vol. 7, pp. 1). Newark, NJ: Book of Abstracts: Seventh International Summer Research Symposium.
- Fish, S., Wei, Z. (Author Only), Bradfield, J., Hakonarson, H., Baldassano, R., Kelsen, J., North American Society for Pediatric Gastroenterology Hepatology and Nutrition Annual Meeting, "SLC11A1 Polymorphism Increases the Risk of Early Surgery in Pediatric Patients With Inflammatory Bowel Disease." (October 10, 2013).
- Fish, S., Wei, Z., Bradfield, J., Gupta, K., Spengler, G., Martin, A., Judge, C., Escajadillo, C., Ghanem, L., Hakonarson, H., Baldassano, R., Kelsen, J. (2013). SLC11A1 Polymorphism Increases the Risk of Early Surgery in Pediatric Patients With Inflammatory Bowel Disease. *Inflammatory Bowel Diseases*, 19, S111-S112.
- Fukunaga-Kalabis, M., Hristova, D. M., Wang, J., Heppt, M., Li, L., Wei, Z. (Author Only), Gyurdieva, A., Weeraratna, A., Herlyn, M., Society for Melanoma Research 2013 Congress, "Keratinocyte-derived canonical Wnt signals inhibit the Notch pathway to specify human neural crest-like stem cell fate," Philadelphia, Pennsylvania. (November 17, 2013).
- Gao, X., Tan, J., Liang, X., Wang, G. (2014). *ARPP: An Augmented Reality 3D Ping-Pong Game System on Android Mobile Platform*. IEEE Wireless and Optical Communication Conference.

- Geller, J. (2013). *Beware BYOD* (9th ed., vol. 56, pp. 8-9). Communications of the ACM.
- Geller, J., Chun, S. A., Wali, A. (2014). *A Hybrid Approach to Developing a Cyber Security Ontology* (pp. 377-384). Vienna: Proceedings of the 3rd International Conference on Data management Technologies and Applications.
- Gerbessiotis, A., Siniolakis, C. J. (2014). *BSP Sorting: An experimental Study* (pp. 30). Ithaca, NY: Arxiv.org. <http://arxiv.org/abs/1408.6729>
- Haque, M. E., Hassan, Y. K., Aziz, A., Borcea, C. M., Yamada, S. (2013). *Route Caching in DTNs Interconnected by Infrastructure* (pp. 6). The Australasian Telecommunication Networks and Applications Conference (ATNAC '13). www.atnac.org/2013.html
- He, Z., Geller, J., Elhanan, G. (2014). *Categorizing the Relationships between Structurally Congruent Concepts from Pairs of Terminologies for Semantic Harmonization*. San Francisco, CA: AMIA Joint Summit on Translational Science.
- He, Z., Ochs, C., Agrawal, A., Perl, Y., Zeginis, D., Tarabanis, K., Elhanan, G., Halper, M. H., Noy, N., Geller, J. (2013). *A family-based framework for supporting quality assurance of biomedical ontologies in BioPortal* (pp. 581-590). Washington DC: American Medical Informatics Association (AMIA) Annual Symposium.
- Houle, M., Ma, X., Oria, V., Sun, J. (2014). *Improving the Quality of K-NN Graphs for Image Databases through Vector Sparsification*. Glasgow, United Kingdom: International Conference on Multimedia Retrieval, ICMR '14. <http://dl.acm.org/citation.cfm?id=2578726>
- Houle, M., Oria, V., Satoh, S., Sun, J. (2013). Annotation Propagation in Image Databases Using Similarity Graphs. *ACM Transactions on Multimedia Computing, Communications and Applications (TOMCCAP)*, 10(1). <http://dl.acm.org/citation.cfm?doid=2487736>
- Ji, X., Chun, S. A., Geller, J. (2013). *Monitoring public health concerns using Twitter sentiment classification* (pp. 335-344). Philadelphia, PA: Proceedings of the 2013 IEEE International Conference on Healthcare Informatics (ICHI).
- Jia, Z.-H., Leung, J. Y. (2014). An Improved Meta-heuristic for Makespan Minimization of a Single Batch Machine with Non-identical Job Sizes. *Computers and Operations Research*, 46, 49-58.
- Lee, K., Leung, J. Y., Pinedo, M. (2014). Two-Dimensional Load Balancing. *Operations Research Letters*, 42, 539-544.
- Lee, K., Leung, J. Y., Jia, Z.-h., Li, W., Pinedo, M., Lin, B. (2014). Fast Approximation Algorithms for Bi-criteria Scheduling with Machine Assignment Cost. *European Journal of Operational Research*, 238, 54-64.
- Li, K., Leung, J. Y., Cheng, B. (2014). An Agent-based Intelligent Algorithm for Uniform Machine Scheduling to Minimize Total Completion Time. *Applied Soft Computing*, 25, 277-284.
- Li, X., Ng, S.-K., Wang, J. T. (2013). *Biological Data Mining and Its Applications in Healthcare* (pp. 436 pages). Singapore: World Scientific Publishing Company.
- Li, X., Ng, S.-K., Wang, J. T. (2013). *Proceedings of the 4th Workshop on Biological Data Mining and its Applications in Healthcare*. Dallas, Texas: IEEE.

- Li, X., Ng, S.-K., Wang, J. T., Bertotti, A., Fiori, A. (2013). *Preface to the IEEE ICDM 4th Workshop on Biological Data Mining and its Applications in Healthcare* (pp. xxiii). Dallas, Texas: IEEE.
- Liu, M. (2013). *iTrade: An Adaptive Risk-adjusted Intelligent Stock Trading System from the Perspective of Concept Drift*. The 4th International Conference on Emerging Intelligent Data and Web Technologies.
- Liu, M. (2013). An Integrative Framework for Intelligent Software Project Risk Planning. *Decision Support Systems*, 55(4), 927-937.
- Liu, C. (2014). Discriminant Analysis and Similarity Measure. *Pattern Recognition*, 47(1), 359-367.
- Liu, J., Fukunaga-Kalabis, M., Wei, Z. (Author Only), Schultz, D., Herlyn, M., Society for Melanoma Research 2013 Congress, "shRNA screening to identify novel developmental targets important for melanoma progression," Philadelphia, Pennsylvania. (November 17, 2013).
- Liu, Q., Liu, C. (2014). *A New Locally Linear KNN Method with an Improved Marginal Fisher Analysis for Image Classification*. Clearwater, Florida: International Joint Conference on Biometrics.
- Liu, Q., Liu, C. (2014). *A Novel Hierarchical Interaction Model and HITS Map for Action Recognition in Static Images*. Paradise Point Resort and Spa, San Diego: IEEE International Conference on Systems, Man, and Cybernetics.
- Lynch, G., Shih, F. Y., Liao, H.-Y. (2013). An efficient expanding block algorithm for image copy-move forgery detection. *Information Sciences*, 239(8), 253-265.
- Marin, J., Shih, F. Y. (2014). Reversible data hiding techniques using multiple scanning difference value histogram modification. *Journal of Information Hiding and Multimedia Signal Processing*, 5(3), 451-460.
- Mili, A., Derbel, I., Jilani, L. L. (2014). *Automated Quantitative Attributes Prediction from Architectural Description Language*. Vienna: SciTePress.
- Mili, A., Frias, M. F., Jaoua, A. (2014). In Peter Hoefner, Peter Jipsen, Wolfram Kahl, Martin Eric Mueller (Ed.), *On Faults and Faulty Programs* (pp. 191-207). Heidelberg: Springer Verlag.
- Mili, A., Louhichi, A., Ghardallou, W., Bsaies, K., Jilani, L. L., Mraïhi, O. (2013). Verifying While Loops with Invariant Relations. *International Journal of Critical Computer Based Systems*, 4(3), 23. <http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijccbs>
- Mili, A., Mraïhi, O., Louhichi, A., Jilani, L. I., Desharnais, J. (2013). Invariant Assertions, Invariant Functions, and Invariant Relations. *Elsevier / North Holland*, 78(9), 1212-1239. www.journals.elsevier.com/science-of-computer-programming/
- Nakayama, M. K. (2014). Confidence Intervals for Quantiles Using Sectioning When Applying Variance-Reduction Techniques. *ACM Transactions on Modeling and Computer Simulation*, 24(4), 21. <http://delivery.acm.org/10.1145/2560000/2558328/a19-nakayama.pdf?ip=128.235.41.10&id=2558328&acc=ACTIVE%20SERVICE&key=7777116298C9657D%2EC3204CD83D16E96A>

%2E4D4702B0C3E38B35%2E4D4702B0C3E38B35&CFID=427446705&CFTOKEN=76463605&__acm__=1413493711_2b4efe528e8285ef76c101b0b7f65cc5

- Nakayama, M. K. (2014). *Quantile Estimation When Applying Conditional Monte Carlo*. Setúbal, Portugal: SIMULTECH 2014 Proceedings.
- Nakayama, M. K. (2014). *Using Sectioning to Construct Confidence Intervals for Quantiles When Applying Antithetic Variates* (vol. 2014, pp. 172-179). Vista, CA: Proceedings of the 2014 Summer Simulation Multi-Conference.
- Nakayama, M. K., 2014 SIMULTECH Conference, "Quantile Estimation When Applying Conditional Monte Carlo," INSTICC: Institute for Systems and Technologies of Information, Control and Communication, Vienna, Austria. (August 29, 2014).
- Nakayama, M. K., 2014 Summer Simulation Multi-Conference, "Using Sectioning to Construct Confidence Intervals for Quantiles When Applying Antithetic Variates," Society for Computer Simulation, Monterrey, CA. (July 7, 2014).
- Ochs, C., Perl, Y., Geller, J., Halper, M. H., Gu, H., Chen, Y., Elhanan, G. (2013). *Scalability of abstraction-network-based quality assurance to large SNOMED hierarchies* (pp. 1071-1080). Washington DC: American Medical Informatics Association (AMIA) Annual Symposium.
- Oria, V., Li, Y., Dorai, C., Houle, M. E. (2014). *Multimedia Databases: Description, Analysis, Modeling and Retrieval* (3rd ed., vol. 2, pp. 14: 1-28). CRC Press: Computing Handbook.
- Pan, J., Sandu Popa, I., Zeitouni, K., Borcea, C. M. (2013). Proactive Vehicular Traffic Re-routing for Lower Travel Time. *IEEE Transactions on Vehicular Technology*, 62(8), 3551-3568. winet.ece.ufl.edu/tvt/
- Qazi, K., Li, Y., Sohn, A. (2014). *Harnessing Memory Page Distribution for Network-Efficient Amortized Live Migration* (pp. 4). Paris: IEEE International Conference on High Performance Computing and Communications.
- Qazi, K., Li, Y., Sohn, A. (2014). *Workload Prediction of Virtual Machines for Harnessing Data Center Resources* (pp. 6). Anchorage, AK: IEEE International Conference on Cloud Computing.
- Qazi, K., Li, Y., Sohn, A. (2013). *PoWER: Prediction of Workload for Energy Efficient Reconfiguration of Virtual Machines*. San Jose, CA: The 4th ACM Symposium on Cloud Computing.
- Rajgure, S., Oria, V., Gouton, P. (2014). Slide localization in video sequence by using a rapid and suitable segmentation in marginal space (vol. Volume 9015). San Francisco, California: Proceedings of SPIE Volume 9015, Color Imaging XIX: Displaying, Processing, Hardcopy, and Applications. <http://spie.org/Publications/Proceedings/Paper/10.1117/12.2042608>
- Roshan, U. W. (2013). In David Russell (Ed.), *Multiple sequence alignment using Probalign and Probcons*. Humana Press (part of Springer). www.amazon.com/Multiple-Sequence-Alignment-Methods-Molecular/dp/1627036458
- Rudniy, A., Song, M., Geller, J. (2014). Mapping biological entities using the longest approximately common prefix method. *BMC Bioinformatics*, 15(187).

- Sheth, P., Cervantes-Cervantes, M., Nagula, A., Laing, C., Wang, J. T. (2013). Novel Features for Identifying A-Minors in Three-Dimensional RNA Molecules. *Computational Biology and Chemistry*, 47, 240-245.
- Shih, F. Y., Computer Science Forum, "Multimedia Security," National Kaohsiung University, Taiwan. (June 8, 2014).
- Shih, F. Y., Computer Science Forum, "Digital Forensics," National Sun Yat-Sen University, Taiwan. (June 5, 2014).
- Shi, L., Zhang, Z., Yu, A. M., Wang, W., Wei, Z., Akhter, E., Maurer, K., Reis, P. C., Song, L., Petri, M., Sullivan, K. E. (2014). The SLE Transcriptome Exhibits Evidence of Chronic Endotoxin Exposure and Has Widespread Dysregulation of Non-Coding and Coding RNAs. *PLOS ONE*, 9(5), e93846.
- Sinha, A., Banerji, S., Liu, C. (2014). *Scene Image Classification using a Wigner-Based Local Binary Patterns Descriptor*. Beijing: the 2014 International Joint Conference on Neural Networks.
- Sinha, A., Banerji, S., Liu, C. (2014). New Color GPHOG Descriptors for Object and Scene Image Classification. *Machine Vision and Applications*, 25(2), 361-375.
- Talasila, M., Curtmola, R., Borcea, C. M. (2013). ILR: Improving Location Reliability in Mobile Crowd Sensing. *International Journal of Business Data Communications and Networking*, 9(4), 65 - 85.
www.igi-global.com/journal/international-journal-business-data-communications/1087
- Tan, J., Wang, G., Gao, X., Shi, K. (2014). *User Behavior based Automatical Navigation System on Android Platform*. IEEE Wireless and Optical Communication Conference.
- Tian, J., Wang, G., Yan, T., Zhang, W. (2014). Detect Smart Intruders in Sensor Networks By Creating Network Dynamics. *Elsevier Computer Networks*.
- Tian, J., Zhang, W., Wang, G., Gao, X. (2014). 2D k-barrier Duty-cycle Scheduling for Intruder Detection in Wireless Sensor Networks. *Elsevier Computer Communications*.
- Turki, T., Roshan, U. W. (2014). *Weighted maximum variance*. Proceedings of the 6th Mexican Conference on Pattern Recognition.
- Wali, A., Chun, S. A., Geller, J. (2013). *A Bootstrapping Approach for Developing Cyber Security Ontology using Textbook Index Terms*. Regensburg: Proceedings of the 2013 International Conference on Availability, Reliability and Security (ARES) Workshop on Security Ontologies.
- Wang, J. T. (Presenter & Author), 2014 EITA Conference on New Media and Biomedical Research, "Data Mining in Bioinformatics: Case Studies," EITA, Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts. (August 1, 2014).
- Wang, K., Ding, X., Lee, R., Kato, S., Zhang, X. (2014). *GDM: Device Memory Management for GPGPU Computing*. In Proc. of ACM SIGMETRICS Conference on Measurement and Modeling for Computer Systems (SIGMETRICS 2014).
www.sigmetrics.org/sigmetrics2014/schedule.html
- Wang, M., Tan, J., Wang, G., Zhang, H., Zhang, Y. (2014). *An Accurate and Multi-faceted Reputation Scheme for Cloud Computing*. Procedia Computer Science.

- Wang, J., Leung, J. Y. (2014). Scheduling Jobs with Equal-Processing-Time on Parallel Machines with Non-identical Capacities to Minimize Makespan. *International Journal of Production Economics*, 156, 325-331.
- Wang, K., Zhang, K., Yuan, Y., Ma, S., Lee, R., Ding, X., Zhang, X. (2014). Concurrent Analytical Query Processing with GPUs. *Proceedings of the VLDB Endowment (PVLDB)*, 7(11), 1011-1022. www.vldb.org/pvldb/vol7/p1011-wang.pdf
- Wang, W., Wei, Z., Li, H. (2014). A change-point model for identifying 3'UTR switching by next-generation RNA sequencing. *Bioinformatics*, 30(15), 2162-2170.
- Wang, W., Wei, Z. (2014). Collapsing singletons may boost signal for associating rare variants in sequencing study. *BMC Proceedings*, 8.
- Wehner, W.S., Shih, F. Y. (2014). A self-directed method for image segmentation using a modified top-down region dividing approach. *Pattern Recognition and Artificial Intelligence*, 28(6), 1-13.
- Wei, Z. (Presenter & Author), Third Joint Biostatistics Symposium, "An empirical Bayes approach for integrated genomic data analysis," International Biometrical Society, Chengdu, China. (June 28, 2014).
- Wei, Z. (Presenter & Author), 3rd Workshop on Data Mining for Medicine and Healthcare, in conjunction with 14th SIAM International Conference on Data Mining (SDM 2014), "Change-point models for detecting aberrant gene expression patterns in cancers," Philadelphia, PA. (April 26, 2014).
- Wu, X., Theodoratos, D., Wang, W. H., Sellis, T. (2013). Optimizing XML Queries: Bitmapped Materialized Views vs. Indexes. *Information Systems*, Publisher: Springer, 38(6), 22 pages (863-884). <http://www.journals.elsevier.com/information-systems/>
- Yan, T., Zhang, W., Wang, G. (2014). DOVE: Data Dissemination to A Desired Number of Receivers in VANET. *IEEE Transactions on Vehicular Technology*.
- Yan, T., Zhang, W., Wang, G. (2014). A Grid-based On-road Localization System in VANET with Linear Error Propagation. *IEEE Transactions on Wireless Communications*.
- Yan, T., Zhang, W., Wang, G., Zhang, Y. (2014). Access Points Planning in Urban Area for Data Dissemination to Drivers. *IEEE Transactions on Vehicular Technology*.
- Yang, R., Zheng, Y., Burrows, M., Liu, S., Wei, Z., Nace, A., Guo, W., Kumar, S., Cotsarelis, G., Xu, X. (2014). Generation of folliculogenic human epithelial stem cells from induced pluripotent stem cells. *Nature Communications*, 5.
- Yu, Y., Zimmermann, R., Wang, Y., Oria, V. (2013). Scalable Content-Based Music Retrieval Using Chord Progression Histogram and Tree-Structure LSH. *IEEE Transactions on Multimedia*, 15(8), 1969-1981. <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6542762>
- Zhang, Z., Pinto, A. M., Wan, L., Wang, W., Berg, M. G., Oliva, I., Singh, L. N., Dengler, C., Wei, Z., Dreyfuss, G. (2013). Dysregulation of synaptogenesis genes antecedes motor neuron pathology in spinal muscular atrophy. *Proceedings of the National Academy of Sciences*, 110(48), 19348-19353.

- Zhang, G., Ravichandran, K., Wei, Z. (Author Only), Choi, H., Wu, L., Shay, J., Riethman, H., Herlyn, M., Society for Melanoma Research 2013 Congress, "BRAF Inhibitor Non-responder Melanoma Cells Have Aberrantly High Telomerase Activity," Philadelphia, Pennsylvania. (November 20, 2013).
- Zhang, G., Wei, Z. (Author Only), Herlyn, M., Society for Melanoma Research 2013 Congress, "Tumor Cells Evade Targeted Therapy by Adopting Senescence-like Growth Arrest Through Metabolic Reprogramming and Activation of Autophagy," Philadelphia, Pennsylvania. (November 17, 2013).
- Zhao, Y.Q., Wang, X.H., Wang, X.F., Shih, F. Y. (2014). Retinal vessels segmentation based on level set method and region growing. *Pattern Recognition*, 47(7), 2437-2446.
- Zhao, Z., Wang, W., Wei, Z. (2013). An empirical Bayes testing procedure for detecting variants in analysis of next generation sequencing data. *Annals of Applied Statistics*, 7(4), 2229-2248.
- Zhong, L., Spirollari, J., Wang, J. T., Wen, D. (2014). In Biological Knowledge Discovery Handbook: Preprocessing, Mining and Postprocessing of Biological Data, Mourad Elloumi and Albert Y. Zomaya (Ed.), *RNA Classification and Structure Prediction: Algorithms and Case Studies* (pp. 685-702). John Wiley & Sons.
- Zhong, L., Wang, J. T., Wen, D., Aris, V., Soteropoulos, P., Shapiro, B. A. (2013). Effective Classification of MicroRNA Precursors Using Feature Mining and AdaBoost Algorithms. *OMICS: A Journal of Integrative Biology*, 17, 486-493.
- Zhu, M., Wu, Y.-F., Vasavada, M. S., Wang, J. T. (2013). In Biological Data Mining and Its Applications in Healthcare, Xiaoli Li, See-Kiong Ng and Jason T.L. Wang (Ed.), *Learning to Rank Biomedical Documents with Only Positive and Unlabeled Examples: A Case Study* (pp. 373-392). Singapore: World Scientific Publishing Company.