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Selected Scholarly Contributions SCOPUS

Zhang, D., Huang, H., Lai, C.-F., Liang, X., Zou, Q., Guo, M.
[Survey on context-awareness in ubiquitous media](#)
(2013) Multimedia Tools and Applications, 67 (1), pp. 179-211.

Hsu, L.-Y., Horng, S.-J., Fan, P., Chou, H.-H., Wang, X., Guo, M.
[Adaptive non-local means for image denoising using turbulent PSO with no-reference measures](#)
(2013) Proceedings - 2013 International Symposium on Biometrics and Security Technologies, ISBAST 2013, art. no. 6597699, pp. 251-258.

Horng, S.-J., Rosiyadi, D., Li, T., Takao, T., Guo, M., Khan, M.K.
[A blind image copyright protection scheme for e-government](#)
(2013) Journal of Visual Communication and Image Representation, 24 (7), pp. 1099-1105.

Long, H., Shen, Y., Guo, M., Tang, F.
[LABERIO: Dynamic load-balanced routing in OpenFlow-enabled networks](#)
(2013) Proceedings - International Conference on Advanced Information Networking and Applications, AINA, art. no. 6531768, pp. 290-297.

Weng, C., Guo, M., Luo, Y., Li, M.
[Hybrid CPU management for adapting to the diversity of virtual machines](#)
(2013) IEEE Transactions on Computers, 62 (7), art. no. 6178237, pp. 1332-1344.

Wang, Z., Zheng, L., Chen, Q., Guo, M.
[CAP: Co-scheduling based on asymptotic profiling in CPU+GPU hybrid systems](#)
(2013) Proceedings of the 2013 International Workshop on Programming Models and Applications for Multicores and Manycores, PMAM 2013, pp. 107-114.

Balaji, P., Guo, M., Huang, Z.
[Message from the co-chairs](#)
(2013) Proceedings of the 2013 International Workshop on Programming Models and Applications for

Multicores and Manycores, PMAM 2013, 2 p.

Ma, J., Zheng, L., Dong, M., He, X., Guo, M., Yaguchi, Y., Oka, R.
[A segmentation-free method for image classification based on pixel-wise matching](#)
(2013) Journal of Computer and System Sciences, 79 (2), pp. 256-268.

Guan, H., Zhou, J., Xiao, B., Guo, M., Yang, T.
[Fast dimension reduction for document classification based on imprecise spectrum analysis](#)
(2013) Information Sciences, 222, pp. 147-162.

Tang, F., You, I., Tang, C., Guo, M.
[An efficient classification approach for large-scale mobile ubiquitous computing](#)
(2013) Information Sciences, 232, pp. 419-436.

Jiang, Z., Wu, D., Guo, M., Wu, J., Kline, R., Wang, X.
[Minimum latency broadcasting with conflict awareness in wireless sensor networks](#)
(2012) Proceedings of the International Conference on Parallel Processing, art. no. 6337610, pp. 490-499.

Jiang, Z., Wu, J., Guo, M., Zhao, Z., Wu, D.
[A quick and reliable routing for infrastructure surveillance with wireless sensor networks](#)
(2012) Proceedings of the IEEE Symposium on Reliable Distributed Systems, art. no. 6424863, pp. 255-260.

Xu, G., Hu, Y., Shen, Y., Guo, M.
[DirectedPush - A high performance peer-to-peer live streaming system using network coding](#)
(2012) Proceedings of the International Conference on Parallel and Distributed Systems - ICPADS, art. no. 6413684, pp. 292-298.

Liu, K.-L., Li, W.-J., Guo, M.
[Emoticon smoothed language models for twitter sentiment analysis](#)
(2012) Proceedings of the National Conference on Artificial Intelligence, 2, pp. 1678-1684.

Guan, H., Li, H., Xu, C.-Z., Guo, M.

[Semi-sparse algorithm based on multi-layer optimization for recommender system](#)

(2012) Journal of Supercomputing, pp. 1-20. Article in Press.

Wang, T., Jia, W., Wang, G., Guo, M., Li, A.J.

[Hole avoiding in advance routing with Hole Recovery mechanism in Wireless Sensor Networks](#)

(2012) Ad-Hoc and Sensor Wireless Networks, 16 (1-3), pp. 191-213.

Chen, Q., Chen, Y., Huang, Z., Guo, M.

[WATS: Workload-aware task scheduling in asymmetric multi-core architectures](#)

(2012) Proceedings of the 2012 IEEE 26th International Parallel and Distributed Processing Symposium, IPDPS 2012, art. no. 6267840, pp. 249-260.

Kong, W., Li, W.-J., Guo, M.

[Manhattan hashing for large-scale image retrieval](#)

(2012) SIGIR'12 - Proceedings of the International ACM SIGIR Conference on Research and Development in Information Retrieval, pp. 45-54.

Chang, W.-L., Lin, K.W., Chen, J.-C., Wang, C.-C., Lu, L.C., Guo, M., Ho, M.

[Molecular solutions of the RSA public-key cryptosystem on a DNA-based computer](#)

(2012) Journal of Supercomputing, 61 (3), pp. 642-672.

Liu, Y., Li, J., Guo, M.

[Long duration broadcast authentication for wireless sensor networks](#)

(2012) IEEE Vehicular Technology Conference, art. no. 6240214, .

Tang, F., Guo, S., Guo, M., Wang, Q.

[An efficient and scalable ubiquitous storage scheme for delay-sensitive IT applications](#)

(2012) Journal of Intelligent Manufacturing, 23 (4), pp. 955-963.

Tang, F., You, I., Guo, S., Guo, M., Ma, Y.

[A chain-cluster based routing algorithm for wireless sensor networks](#)

(2012) Journal of Intelligent Manufacturing, 23 (4), pp. 1305-1313.

Chen, Q., Guo, M., Huang, Z.

[CATS: Cache Aware Task-Stealing based on online profiling in multi-socket multi-core architectures](#)
(2012) Proceedings of the International Conference on Supercomputing, pp. 163-172.

Shen, Y., Wang, M., Tang, X., Luo, Y., Guo, M.
[Context-aware HCI service selection](#)
(2012) Mobile Information Systems, 8 (3), pp. 231-254.

Yan, G., Li, Y., Han, Y., Li, X., Guo, M., Liang, X.
[AgileRegulator: A hybrid voltage regulator scheme redeeming dark silicon for power efficiency in a multicore architecture](#)
(2012) Proceedings - International Symposium on High-Performance Computer Architecture, art. no. 6169034, pp. 287-298.

Guo, M., Chang, W.-L., Jiang, B., Huang, S.-C., Tsai, S.-T., Ho, M.
[Communication-free data alignment for arrays with exponential references in parallelizing compilers for scalable parallel systems](#)
(2012) Journal of Supercomputing, 60 (1), pp. 4-30.

Guan, H., Li, H., Guo, M.
[Semi-sparse algorithm based on multi-layer optimization for recommendation system](#)
(2012) Proceedings of the 2012 International Workshop on Programming Models and Applications for Multicores and Manycores, PMAM 2012, pp. 148-155.

Guo, M., Huang, Z.
[Message from the co-chairs](#)
(2012) Proceedings of the 2012 International Workshop on Programming Models and Applications for Multicores and Manycores, PMAM 2012, 1 p.

Tang, X., Zheng, L., Ma, J., Shen, Y., Li, L., Guo, M.
[PMA: Pixel-based multi-anchor algorithm for image recognition on multi-core systems](#)
(2012) Proceedings of the 2012 International Workshop on Programming Models and Applications for Multicores and Manycores, PMAM 2012, pp. 36-44.

Liu, D., Wang, Y., Shao, Z., Guo, M., Xue, J.
[Optimally Maximizing Iteration-Level Loop Parallelism](#)
(2012) IEEE Transactions on Parallel and Distributed Systems, . Article in Press.

Tang, F., You, I., Yu, S., Wang, C.-L., Guo, M., Liu, W.

[An efficient deadlock prevention approach for service oriented transaction processing](#)

(2012) Computers and Mathematics with Applications, 63 (2), pp. 458-468.

Yu, B., Xu, C.-Z., Guo, M.

[Adaptive forwarding delay control for VANET data aggregation](#)

(2012) IEEE Transactions on Parallel and Distributed Systems, 23 (1), art. no. 5740863, pp. 11-18.