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Selected Scholarly Contributions [Data Provided by **SCOPUS**]

[Genome-wide gene and pathway analysis](#)

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[Gene and pathway-based second-wave analysis of genome-wide association studies.](#)

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[HLA-DPB1 and DPB2 are genetic loci for systemic sclerosis: A genome-wide association study in Koreans with replication in North Americans](#)

Arthritis and Rheumatism, 60 (12), pp. 3807-3814, 2009.

[Investigating gene and microRNA expression in glioblastoma](#)

Proceedings - 2009 International Joint Conference on Bioinformatics, Systems Biology and Intelligent Computing, IJCBS 2009, pp. 17-22, 2009.

[Gene and pathway-based second-wave analysis of genome-wide association studies](#)

European Journal of Human Genetics, 2009. Article in Press.

[Common variants of four bilirubin metabolism genes and their association with serum bilirubin and coronary artery disease in Chinese Han population](#)

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[Association of polymorphisms in four bilirubin metabolism genes with serum bilirubin in three Asian populations](#)

Human Mutation, 30 (4), pp. 609-615, 2009.

[Discussion: Why do we test multiple traits in genetic association studies](#)

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[Mutual information for testing gene-environment interaction](#)

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[New choices of search directions used in constructing quadratic interpolation models](#)

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[Multifactor effects and evidence of potential interaction between complement factor HY402H and LOC387715 A69S in age-related macular degeneration](#)

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[Structure-based graph distance measures of high degree of precision](#)

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[Extended Kalman filter for estimation of parameters in nonlinear state-space models of biochemical networks](#)

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[Network quotients: Structural skeletons of complex systems](#)

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[Emergence of symmetry in complex networks](#)

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[Composite measure of linkage disequilibrium for testing interaction between unlinked loci](#)

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[Symmetry-based structure entropy of complex networks](#)

Physica A: Statistical Mechanics and its Applications, 387 (11), pp. 2611-2619, 2008.

[Differential dynamic properties of scleroderma fibroblasts in response to perturbation of environmental stimuli](#)

PLoS ONE, 3 (2), art. no. e1693, 2008.