

## RESEARCH OUTPUTS 2014 – 2015

### Chapter in an edited book (author)

- 1 LI,CHI-KWONG, POON,YIU-TUNG and **SZE,NUNG-SING**, "A Review on Operator Quantum Error Correction". In Shu Tanaka, Masamitsu Bando, Utkan Gungordu, Ed., Physics, Mathematics, and All that Quantum Jazz, Vol. 9, WORLD SCIENTIFIC, Singapore, pp.17-29 (2014) ISBN 978-981-4602-36-5(print), 978-981-4602-37-2(electronic)

### Publication in refereed journal

- 2 CHAN,Kit Yan, LOW,Siow Yong, NORDHOLM,Sven and **YIU,Ka Fai Cedric**, "A Decision-Directed Adaptive Gain Equalizer for Assistive Hearing Instruments". IEEE Transactions on Instrumentation and Measurement, Vol. 63, No. 8, pp.1886-1895 (Aug 2014) ISSN 0018-9456(print), 1557-9662(electronic) (<http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=6736107>)
- 3 Z.Q.,Huang, **CHAN,Cheong Ki** and G.H.,Nie, "A General Solution for Plane Problem of Anisotropic Media containing Elliptic Inhomogeneity with Polynomial Eigenstrains". International Journal of Mechanical Sciences, Vol. 94-95, pp.156-167 (Mar 2015) ISSN 0020-7403(print)
- 4 KANG,Fangyuan, SUN,Liuquan and **ZHAO,Xingqiu**, "A class of transformed hazards models for recurrent gap times.". Computational Statistics & Data Analysis, Vol. 83, pp.151-167 (2015) ISSN 01679473(print)
- 5 YI,Lan, WU,Xianping#, **LI,XUN** and CUI,xiangyu, "A mean-field formulation for optimal multi-period mean–variance portfolio selection with an uncertain exit time". Operations Research Letters, Vol. 42, No. 8, pp.489-494 (Aug 2014) ISSN 0167-6377(print) (<http://www.sciencedirect.com/science/article/pii/S0167637714001187?np=y>)
- 6 HOU,Jinchuan, LI,Chi-Kwong, POON,Yiu-Tung, QI,Xiaofei and **SZE,NUNG-SING**, "A new criterion and a special class of k-positive maps". Linear Algebra and Its Applications, Vol. 470, pp.51-69 (Apr 2015) ISSN 00243795(print) (<http://linkinghub.elsevier.com/retrieve/pii/S0024379514000755>)
- 7 ZHOU,Yuying#, WANG,Song and **YANG,X.Q.**, "A penalty approximation method for a semilinear parabolic double obstacle problem". Journal of Global Optimization, Vol. 60, No. 3, pp.531-550 (2014) ISSN 0925-5001(print), 1573-2916(electronic)

- 8 GAO, Daozhou, **LOU, YIJUN** and RUAN, Shigui, "A periodic Ross-Macdonald model in a patchy environment". *Discrete and Continuous Dynamical Systems Series B*, Vol. 19, No. 10, pp.3133-3145 (Dec 2014) ISSN 1531-3492(print), 1553-524X(electronic)
- 9 NI, Qin and **QI, L.Q.**, "A quadratically convergent algorithm for finding the largest eigenvalue of a nonnegative homogeneous polynomial map". *Journal of Global Optimization*, Vol. 61, pp.627-641 (2015) ISSN 0925-5001(print)
- 10 **LIU, CHUNLING**, LIU, Aiyi, JIANG, Hu, VIVIAN, Yuan and SUSAN, Halabi, "Adjusting for Misclassification in a Stratified Biomarker Clinical Trial". *Statistics in Medicine*, pp.3100-3113 (Aug 2014) ISSN 1097-0258(electronic)
- 11 YANG, Lin, KWOK HUNG, Chan, SUEN, Kwai Ping Lorna, KING PAN, Chan, XILING, Wang, PEIHUA, Cao, **HE, Daihai**, MALIK, Peiris and CHIT MING, Wong, "Age-specific epidemic waves of influenza and respiratory syncytial virus in a subtropical city". *Scientific Reports*, Vol. 5, pp.10390-10390 (May 2015) ISSN 2045-2322(print)
- 12 YE, Peng, SUN, Liuquan, **ZHAO, Xingqiu** and XU, Wei, "An additive-multiplicative rates model for multivariate recurrent events with event categories missing at random". *Science China Mathematics*, Vol. 58, pp.1163-1178 (Jun 2015) ISSN 1674-7283(print)
- 13 WANG, Yiju, **QI, L.Q.**, LUO, Shunlong and XU, Yi#, "An alternative steepest direction method for the optimization in evaluating the geometric discord". *Pacific Journal of Optimization*, Vol. 10, pp.137-149 (2014) ISSN 1349-8169(print)
- 14 **QI, L.Q.** and SONG, Yisheng#, "An even order symmetric B tensor is positive definite". *Linear Algebra and Its Applications*, Vol. 457, pp.303-312 (2014) ISSN 0024-3795(print)
- 15 YANG, Yuning, YANG, Qingzhi and **QI, L.Q.**, "Approximation bounds for trilinear and biquadratic optimization problems over nonconvex constraints". *Journal of Optimization Theory and Applications*, Vol. 163, pp.841-858 (2014) ISSN 0022-3239(print)
- 16 JIN, Haiyang#, **WANG, ZHIAN** and XIONG, Linjie, "Cauchy problem of the magnetohydrodynamic Burgers system". *Communications in Mathematical Sciences*, Vol. 13, No. 1, pp.127-151 (2015) ISSN 15396746(print), 19450796(electronic)  
(<http://www.intlpress.com/site/pub/pages/journals/items/cms/content/vols/0013/0001/a007/>)

- 17 HUANG,X.X., FANG,Ya-ping and YANG,X.Q., "Characterizing the Nonemptiness and Compactness of the Solution Set of a Vector Variational Inequality by Scalarization". *Journal of Optimization Theory and Applications*, Vol. 162, No. 2, pp.548-558 (2014) ISSN 0022-3239(print), 1573-2878(electronic)
- 18 YAN,zhou, CHAN,Chi Kin, KAR HUNG,Wong and LEE,Yu Chung Eugene, "Closed-Loop Supply Chain Network under Oligopolistic Competition with Multiproducts, Uncertain Demands, and Returns". *Mathematical Problems in Engineering*, Vol. 2014, pp.1-15 (Jul 2014) ISSN 1563-5147(electronic)
- 19 BIAN,Wei, CHEN,Xiaojun and YE,Yinyu, "Complexity analysis of interior point algorithms for non-Lipschitz and nonconvex minimization". *Mathematical Programming*, Vol. 149, pp.301-327 (2015) ISSN 0025-5610(print)
- 20 PANG,Wan Kai, NI,Yuan-Hua, LI,XUN and YIU,K.F.C., "Continuous-Time Mean-Variance Portfolio Selection with Partial Information". *Journal of Mathematical Finance*, Vol. 04, No. 05, pp.353-365 (Nov 2014) ISSN 2162-2434(print), 2162-2442(electronic) (<http://www.scirp.org/journal/PaperDownload.aspx?DOI=10.4236/jmf.2014.45033>)
- 21 HU,Shenglong# and QI,L.Q., "Convergence of a second order Markov chain". *Applied Mathematics and Computation*, Vol. 241, pp.183-192 (2014) ISSN 0096-3003(print)
- 22 LIN,Tai-Chia and WANG,ZHIAN, "Development of traveling waves in an interacting two-species chemotaxis model". *Discrete and Continuous Dynamical Systems*, Vol. 34, No. 7, pp.2907-2927 (Jul 2014) ISSN 1078-0947(print) (<http://www.aims sciences.org/journals/displayArticlesnew.jsp?paperID=9465>)
- 23 GORDON S. K. ,Yau, JACKYW. Y.,Lee, VICTOR T. Y.,Tam, STAN ,yip, EDITH,Cheng, LIU,CHUNLING, BENJAMIN C. Y. ,Chu and CAN Y. F. ,Yuen, "Differences in Risk Factors for Retinopathy of Prematurity Development in Paired Twins: A Chinese Population Study". *The Scientific World Journal*, Vol. 14, pp.1-7 (Oct 2014) ISSN 1537-744X(print)
- 24 HUANG,Jianhui and WANG,Shujun#, "Dynamic Optimization of Large-Population Systems with Partial Information". *Journal of optimization theory and applications*, Vol. DOI10 (May 2015) ISSN 0022-3239(print)
- 25 QIAO,ZHONGHUA, TANG,Tao and XIE,Hehu, "ERROR ANALYSIS OF A MIXED FINITE ELEMENT METHOD FOR THE MOLECULAR BEAM EPITAXY MODEL". *Siam Journal on Numerical Analysis*, Vol. 53, No. 1, pp.184-205 (2015) ISSN 0036-1429(print)

- 26 CHUANHUA,Wei, LIJIE,Wan and **LIU,CHUNLING**, "Efficient Estimation in Heteroscedastic Partially Linear Varying Coefficient Models". *Communications in Statistics—Simulation and Computation*, Vol. 44, pp.892-901 (2015) ISSN 0361-0918(print)
- 27 JUNSHAN,Shen, KAM CHUEN ,Yuen and **LIU,CHUNLING**, "Empirical likelihood confidence regions for one- or two-samples with doubly censored data". *Computational Statistics and Data Analysis*, pp.1-9 (Jan 2015) ISSN 0167-9473(print)
- 28 **YIU,Ka Fai Cedric**, LI,Zhibao#, LOW,Siow Yong and NORDHOLM,Sven, "FPGA multi-filter system for speech enhancement via multi-criteria optimization". *Applied Soft Computing*, Vol. 21, pp.533-541 (2014) ISSN 15684946(print) (<http://linkinghub.elsevier.com/retrieve/pii/S1568494614001227>)
- 29 **MENG,Kaiwen** and **YANG,X.Q.**, "First- and Second-Order Necessary Conditions Via Exact Penalty Functions". *Journal of Optimization Theory and Applications*, Vol. 165, No. 3, pp.720-752 (2015) ISSN 0022-3239(print), 1573-2878(electronic)
- 30 FRIEDLANDER,Michael P., MACÊDO,Ives and **PONG,TING KEI**, "Gauge Optimization and Duality". *SIAM Journal on Optimization*, Vol. 24, No. 4, pp.1999-2022 (2014) ISSN 1052-6234(print), 1095-7189(electronic) (<http://epubs.siam.org/doi/abs/10.1137/130940785>)
- 31 BAO QING,Hu and **WONG,Heung**, "Generalized Interval-valued Fuzzy Variable Precision Rough Sets". *International Journal of Fuzzy Systems*, Vol. 16, No. 4, pp.554-565 (Dec 2014) ISSN 1562-2479(print)
- 32 GOUGH,John and **ZHANG,GUOFENG**, "Generating nonclassical quantum input field states with modulating filters". *EPJ Quantum Technology*, Vol. 2, pp.1-13 (2015) ISSN 2196-0763(electronic) (<http://www.epjquantumtechnology.com/content/2/1/15>)
- 33 HU,Shenglong, **QI,L.Q.**, SONG,Yisheng and **ZHANG,GUOFENG**, "Geometric Measure of Quantum Entanglement for Multipartite Mixed States". *International Journal of Software and Informatics*, Vol. 8, No. 3-4, pp.317-326 (Dec 2014) ISSN 1673-7288(electronic)
- 34 **HE,Daihai**, ROGER,lui, LIN,Wang, CHI KONG,tse, LIN,yang and LEWIS,stone, "Global Spatio-temporal Patterns of Influenza in the Post-pandemic Era". *Scientific Reports*, Vol. 5, pp.11013-11013 (Jun 2015) ISSN 2045-2322(print)

- 35 DING,Wei and **WANG,ZHIAN**, "Global existence and asymptotic behavior of the Boussinesq–Burgers system". *Journal of Mathematical Analysis and Applications*, Vol. 424, No. 1, pp.584-597 (2015) ISSN 0022247X(print) (<http://linkinghub.elsevier.com/retrieve/pii/S0022247X14010452>)
- 36 HUANG,Jian, LIU,Li, LIU,Yanyan and **ZHAO,Xingqiu**, "Group selection in the Cox model with a diverging number of covariates". *Statistica Sinica*, Vol. 24, pp.1787-1810 (2014) ISSN 10170405(print)
- 37 **QI,L.Q.**, " $H^s$ -eigenvalues of Laplacian and signless Laplacian tensors". *Communications in Mathematical Sciences*, Vol. 12, pp.1045-1064 (2014) ISSN 1539-6746(print)
- 38 **QI,L.Q.**, "Hankel tensors: Associated Hankel matrices and Vandermonde decomposition". *Communications in Mathematical Sciences*, Vol. 13, No. 1, pp.113-125 (2015) ISSN 1539-6746(print)
- 39 **LOU,YIJUN**, WU,Xiaotian and WU,jianhong, "Impact of biodiversity and seasonality on Lyme-pathogen transmission". *Theoretical Biology and Medical Modelling*, Vol. 11, pp.50 (2014) ISSN 1742-4682(electronic)
- 40 YANG,Lin, KWOK HUNG,Chan, SUEN,Kwai Ping Lorna, KING PAN,Chan, XILING,wang, PEIHUA,cao, **HE,Daihai**, MALIK,Peiris and CHIT MING,wong, "Impact of the 2009 H1N1 Pandemic on Age-Specific Epidemic Curves of Other Respiratory Viruses: A Comparison of Pre-Pandemic, Pandemic and Post-Pandemic Periods in a Subtropical City". *PLoS ONE*, Vol. 4, pp.1371-1371 (Apr 2015) ISSN 1932-6203(print)
- 41 GORDON S. K.,Yau, JACKY W. Y. ,Lee, VICTOR T. Y. ,Tam, **LIU,CHUNLING**, BENJAMIN C. Y. ,Chu and CAN Y. F. ,Yuen, "Incidence and risk factors for retinopathy of prematurity in extreme low birth weight Chinese infants". *International Ophthalmology*, pp.365-373 (2015) ISSN 1573-2630(print)
- 42 HU,Yaohua#, **YANG,X.Q.** and SIM,Chee-Khian, "Inexact subgradient methods for quasi-convex optimization problems". *European Journal of Operational Research*, Vol. 240, No. 2, pp.315-327 (2015) ISSN 0377-2217(print)
- 43 SHEN,Wen-Jun, WONG,Hau-San, XIAO,Quan-Wu, **GUO,Xin** and SMALE,Stephen, "Introduction to the Peptide Binding Problem of Computational Immunology: New Results". *Foundations of Computational Mathematics*, Vol. 14, No. 5, pp.951-984 (2014) ISSN 1615-3375(print), 1615-3383(electronic) (<http://link.springer.com/10.1007/s10208-013-9173-9>)

- 44 **XU,ZUO QUAN**, "Investment under duality risk measure". European Journal of Operational Research, Vol. 239, No. 3, pp.786-793 (2014) ISSN 03772217(print) (<http://linkinghub.elsevier.com/retrieve/pii/S0377221714005256>) (doi:10.1016/j.ejor.2014.06.022)
- 45 LUO,Ziyan, **QI,L.Q.** and **YE,Yinyu**, "Linear operators and positive semidefiniteness of symmetric tensor spaces". Science China Mathematics, Vol. 58, No. 1, pp.197-212 (Jan 2015) ISSN 1674-7283(print)
- 46 **FENG,ZHI GUO**, **YIU,K.F.C.**, LEUNG,R. C. K. and NORDHOLM,Sven, "Localization of acoustic source via optimal beamformer design". Pacific Journal of Optimization, Vol. 11, No. 1, pp.37-56 (Jan 2015) ISSN 1349-8169(print) (<http://www.ybook.co.jp/online-p/PJO/vol11/pjov11n1p37.pdf>)
- 47 LIANGQUAN,Zhang, **HUANG,Jianhui** and **LI,Xun**, "Necessary Condition for Near Optimal Control of Linear Forward-backward Stochastic Differential Equations". International Journal of Control (Feb 2015) ISSN 0020-7179(print)
- 48 **YIU,K.F.Cedric**, "Neural Network Analysis for the detection of glaucomatous damage". Applied Soft Computing, Vol. 20, pp.66-69 (2014) ISSN 15684946(print) (<http://linkinghub.elsevier.com/retrieve/pii/S1568494613003360>)
- 49 XIAO,Yunhai, WU,Soonyi and **QI,L.Q.**, "Nonmonotone Barzilai-Borwein gradient algorithm for  $\ell_1$ -regularized nonsmooth minimization in compressive sensing". Journal of Scientific Computing, Vol. 61, pp.17-41 (2014) ISSN 0885-7474(print)
- 50 **MENG,Kaiwen**, ROSHCHINA,Vera and **YANG,X.Q.**, "On Local Coincidence of a Convex Set and its Tangent Cone". Journal of Optimization Theory and Applications, Vol. 164, No. 3, pp.123-137 (2015) ISSN 0022-3239(print), 1573-2878(electronic)
- 51 CHEN,Zhangyou# and **YANG,X.Q.**, "On global quadratic growth condition for min-max optimization problems with quadratic functions". Applicable Analysis: An International Journal, Vol. 94, No. 1, pp.144-152 (2015) ISSN 0003-6811(print), 1563-504X(electronic)
- 52 FANG,Ya-ping, **MENG,Kaiwen** and **YANG,X.Q.**, "On minimal generators for semi-closed polyhedra". Optimization, Vol. 64, No. 4, pp.761-770 (2015) ISSN 0233-1934(print), 1029-4945(electronic)

- 53 LI,Zhibao#, **YIU,Ka Fai Cedric** and NORDHOLM,Sven, "On the Indoor Beamformer Design With Reverberation". IEEE/ACM Transactions on Audio, Speech, and Language Processing, Vol. 22, No. 8, pp.1225-1235 (Aug 2014) ISSN 2329-9290(print), 2329-9304(electronic) (<http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=6822504>)
- 54 JACKY W.Y.,Lee, MANDY O.M.,Wong, **LIU,CHUNLING** and JIMMY S.M.,Lai, "Optimal Selective Laser Trabeculoplasty Energy for Maximal Intraocular Pressure Reduction in Open-Angle Glaucoma.". Journal of Glaucoma, Vol. 24, No. 5, pp.128-131 (Jun 2015) ISSN 1057-0829(print)
- 55 **LIU,Jingzhen, YIU,Ka-Fai Cedric** and SIU,Tak Kuen, "Optimal investment of an insurer with regime-switching and risk constraint". Scandinavian Actuarial Journal, Vol. 2014, No. 7, pp.583-601 (2014) ISSN 0346-1238(print), 1651-2030(electronic) (<http://www.tandfonline.com/doi/abs/10.1080/03461238.2012.750621>)
- 56 JIAN,Xiongfei, **LI,XUN** and YI,Fahuai, "Optimal investment with stopping in finite horizon". Journal of Inequalities and Applications, Vol. 2014, No. 1, pp.1-14 (Aug 2014) ISSN 1029-242X(print) (<http://www.journalofinequalitiesandapplications.com/content/2014/1/432>)
- 57 RUIQIN,Tian, LIUGEN,Xue and **LIU,CHUNLING**, "Penalized quadratic inference functions for semiparametric varying coefficient partially linear models with longitudinal data". Journal of Multivariate Analysis, Vol. 132, pp.94-110 (Aug 2014) ISSN 0047-259X(print)
- 58 **FENG,Zhiguo, YIU,K.F.C.** and NORDHOLM,Sven Erik, "Performance Limit of Broadband Beamformer Designs in Space and Frequency". Journal of Optimization Theory and Applications, Vol. 164, No. 1, pp.316-341 (2015) ISSN 0022-3239(print), 1573-2878(electronic) (<http://link.springer.com/10.1007/s10957-014-0543-5>)
- 59 JACKY W.Y.,Lee, **LIU,CHUNLING**, JONATHAN C.H. ,Chan and JIMMY S.M.,Lai, "Predictors of Success in Selective Laser Trabeculoplasty for Normal Tension Glaucoma". Medicine, Vol. 93, No. 28, pp.236-236 (Dec 2014) ISSN 1536-5964(print)
- 60 JACKY WY, Lee, **LIU,CHUNLING**, JONATHAN CH, Chan, R AYMOND LM, Wong, I AN YH, Wong and JIMMY SM, Lai, "Predictors of success in selective laser trabeculoplasty for primary open angle glaucoma in Chinese". Clinical Ophthalmology (Auckland, N.Z.), Vol. 8, pp.1787-1791 (2014) ISSN 1177-5467(print)

- 61 ZHIWEI,Zhang, **LIU,CHUNLING**, SUNGDUK,Kim and AIYI,Liu, "Prevalence estimation subject to misclassification: the mis-substitution bias and some remedies". *Statistics in Medicine*, Vol. 33, No. 25, pp.4482-4500 (Jul 2014) ISSN 0277-6715(print)
- 62 SONG,Yisheng# and **QI,L.Q.**, "Properties of some classes of structured tensors". *Journal of Optimization Theory and Applications*, Vol. 165, pp.854-873 (2015) ISSN 0022-3239(print)
- 63 HEFFERNAN,Jane, **LOU,YIJUN** and WU,Jianhong, "Range expansion of Ixodes scapularis ticks and of Borrelia burgdorferi by migratory birds". *Discrete and continuous dynamical systems. Series B*, Vol. 19, No. 10, pp.3147-3167 (Dec 2014) ISSN 1531-3492(print), 1553-524X(electronic)
- 64 AI,Shangbing, HUANG,Wenzhang and **WANG,ZHIAN**, "Reaction, diffusion and chemotaxis in wave propagation". *Discrete and Continuous Dynamical Systems - Series B*, Vol. 20, No. 1, pp.1-21 (Jan 2015) ISSN 1531-3492(print) (<http://www.aims sciences.org/journals/displayArticlesnew.jsp?paperID=10500>)
- 65 **CHEN,Xiaojun**, SUN,Hailin and WETS,Roger, "Regularized Mathematical Programs with Stochastic Equilibrium Constraints: Estimating Structural Demand Models". *SIAM Journal on Optimization*, Vol. 25, No. 1, pp.53-75 (2015) ISSN 1052-6234(print)
- 66 GORDON S.K.,Yau, JACKY W.Y.,Lee, VICTOR T.Y.,Tam, **LIU,CHUNLING** and IAN Y.H.,Wong, "Risk Factors for Retinopathy of Prematurity in Extremely Preterm Chinese Infants". *Medicine (Baltimore)*, Vol. 93, No. 28, pp.314-314 (2014) ISSN 1536-5964(print)
- 67 **QIAO,ZHONGHUA**, SUN,Zhizhong and ZHANG,Zhengru, "STABILITY AND CONVERGENCE OF SECOND-ORDER SCHEMES FOR THE NONLINEAR EPITAXIAL GROWTH MODEL WITHOUT SLOPE SELECTION". *Mathematics of Computation*, Vol. 84, pp.653-674 (Jul 2014) ISSN 0025-5718(print)
- 68 FUNG,CHI-HANG FRED, CHAU,H.F., LI,CHI-KWONG and **SZE,NUNG-SING**, "Solution to Time-Energy Costs of Quantum Channels". *Quantum Information and Computation*, Vol. 15, pp.685-693 (2015) ISSN 1533-7146(print) (<http://www.rintonpress.com/xxqic15/qic-15-78/0685-0693.pdf>)
- 69 **QI,L.Q.** and **YE,Yinyu**, "Space tensor conic programming". *Computational Optimization and Applications*, Vol. 59, pp.307-319 (2014) ISSN 0926-6003(print)



- 70 LI,Jingyu, LI,Tong and **WANG,ZHIAN**, "Stability of traveling waves of the Keller–Segel system with logarithmic sensitivity". *Mathematical Models and Methods in Applied Sciences*, Vol. 24, No. 14, pp.2819-2849 (2014) ISSN 0218-2025(print), 1793-6314(electronic)  
(<http://www.worldscientific.com/doi/abs/10.1142/S0218202514500389>)
- 71 **QIAO,ZHONGHUA** and SUN,Shuyu, "TWO-PHASE FLUID SIMULATION USING A DIFFUSE INTERFACE MODEL WITH PENG-ROBINSON EQUATION OF STATE". *SIAM JOURNAL ON SCIENTIFIC COMPUTING*, Vol. 36, pp.708-728 (2014) ISSN 1064-8275(print)
- 72 HU,Shenglong# and **QI,L.Q.**, "The E-eigenvectors of tensors". *Linear and Multilinear Algebra*, Vol. 62, No. 10, pp.1388-1402 (2014) ISSN 0308-1087(print)
- 73 **PANG,Zhen** and WELSH,Alan, "The Generalized Bootstrap for Clustered Data". *International Journal of Data Analysis Techniques and Strategies*, Vol. 6, No. 4, pp.407-415 (2014) ISSN 1755-8050(print)
- 74 HU,Shenglong# and **QI,L.Q.**, "The Laplacian of a uniform hypergraph". *Journal of Combinatorial Optimization*, Vol. 29, pp.331-366 (2015) ISSN 1382-6905(print)
- 75 HU,Shenglong#, **QI,L.Q.** and XIE,Jinshan, "The largest Laplacian and signless Laplacian H-eigenvalues of a uniform hypergraph". *Linear Algebra and Its Applications*, Vol. 469, pp.1-27 (2015) ISSN 0024-3795(print)
- 76 LIN,Bingqing and **PANG,Zhen**, "Titled Correlation Screening Learning in High-dimensional Data Analysis". *Journal of computational and graphical statistics : a joint publication of American Statistical Association, Institute of Mathematical Statistics, Interface Foundation of North America.*, Vol. 23, No. 2, pp.478-496 (2014) ISSN 1061-8600(print)
- 77 CUI,Xiangyu, **LI,XUN** and LI,Duan, "Unified Framework of Mean-Field Formulations for Optimal Multi-Period Mean-Variance Portfolio Selection". *IEEE TRANSACTIONS ON AUTOMATIC CONTROL*, Vol. 59, No. 7, pp.1833-1844 (Jul 2014) ISSN 0018-9286(print)  
(<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6767103>)

### **Publication in policy or professional journal**

- 78 **QI,L.Q.**, XU,Changqing and XU,Yi#, "Nonnegative tensor factorization, completely positive tensors and a hierarchical elimination algorithm". SIAM Journal on Matrix Analysis and Applications, Vol. 35, No. 4, pp.1227-1241 (2014) ISSN 0895-4798(print)

### **Refereed conference paper**

- 79 **HUNG, Kim Fai, CHOY, Shui Chung, CHUNG, Kam Hin** and **CHAN, Cheong Ki**, "Supporting Freshmen Through Diagnostic E-assessments and E-learning Packages". IMA International Conference on Barriers and Enablers to Learning Maths: Enhancing Learning and Teaching for All Learners, UK, 10-12 June 2015 (Jun 2015)

*# Student (all levels) in the same Department and Cost Centre*