RESEARCH OUTPUTS 2011 - 2012

Publication in refereed journal

1   AMSTER, PABLO, **KWONG, MAN KAM** and **ROGERS, COLIN** " On a Neumann boundary value problem for the Painleve II equation in two-ion electro-diffusion ". *NONLINEAR ANALYSIS*, Vol. 74, pp.2897-2907 (2011) (DOI: 10.1016/j.na.2010.06.063)

2   AN, CONGPEI, **CHEN, XIAOJUN**, SLOAN, IAN H. and WOMERSLEY, ROBERT S. " Regularized Least Squares Approximations on the Sphere Using Spherical Designs ". *SIAM JOURNAL ON NUMERICAL ANALYSIS*, Vol. 50, No. 3, pp.1513-1534 (2012) (http://dx.doi.org/10.1137/110838601)

3   AXELSSON, OWE and **CHEN, XIAOJUN** " Matrix computations and nonlinear equations ". *NUMERICAL LINEAR ALGEBRA WITH APPLICATIONS*, Vol. 18, No. 2, pp.175-176 (2011) (DOI: 10.1002/nla.773)

4   **BIAN, WEI** and **CHEN, XIAOJUN** " Smoothing Neural Network for Constrained Non-Lipschitz Optimization with Applications ". *IEEE TRANSACTIONS ON NEURAL NETWORKS*, Vol. 23, No. 3, pp.399-411 (2012) (DOI: 10.1109/TNNLS.2011.2181867)

5   BUCKDAHN, RAINER, **HUANG, JIANHUI** and LI, JUAN " REGULARITY PROPERTIES FOR GENERAL HJB EQUATIONS: A BACKWARD STOCHASTIC DIFFERENTIAL EQUATION METHOD ". *SIAM JOURNAL ON CONTROL AND OPTIMIZATION*, Vol. 50, No. 3, pp.1466-1501 (2012) (DOI: 10.1137/110828629)

6   **CHAN, C.K.**, **CHEN, XIAOJUN**, **QI, LIQUN**, ROGERS, COLIN, SHI, ZHONG-CI and SLOAN, IAN " A special issue of the International Conference on Engineering Computational Mathematics ". *JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS*, Vol. 235, No. 13, pp.3703-3704 (2011) (DOI:10.1016/j.cam.2011.01.013)

7   CHAN, C.M., TANG, S.K., **WONG, H.** and LEE, W.L. " On weak unsteady signal detection using statistical tests ". *APPLIED ACOUSTICS*, Vol. 73, pp.164-172 (2012) (doi: 10.1016/j.apacoust.2011.06.018)

8   **CHAN, CHI KIN** and **LEE, Y.C.E** " A co-ordination model combining incentive scheme and co-ordination policy for a single-vendor-multi-buyer supply chain ". *INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS*, Vol. 135, No. 1, pp.136-143 (2012) (DOI: 10.1016/j.ijpe.2010.05.002)

9   **CHAN, CHI KIN, HOU, SHUI HUNG** and LANGEVIN, ANDRE " Advances in optimization and design of supply chains ". *INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS*, Vol. 135, pp.1-3 (2012) (DOI: 10.1016/j.ijpe.2011.08.001)

10 **CHANG, S.S.,** LEE, H.W.JOSEPH**,** CHAN, CHI KIN **and LIU, J.A.** " A new method for solving a system of generalized nonlinear variational inequalities in Banach spaces ". *APPLIED MATHEMATICS AND COMPUTATION*, Vol. 217, pp.6830-6837 (2011) (DOI:10.1016/j.amc.2011.01.021)

11 CHANG, S.S., **LEE, H.W.JOSEPH**, **CHAN, CHI KIN** and ZHANG, W.B. " A modified halpern-type iteration algorithm for totally quasi-ϕ-asymptotically nonexpansive mappings with applications ". *APPLIED MATHEMATICS AND COMPUTATION*, Vol. 218, pp.6489-6497 (2012) (DOI:10.1016/j.amc.2011.12.019)

12 CHANG, SHIH-SEN, **CHAN, CHI KIN** and **LEE, H.W.JOSEPH** " Modified block iterative algorithm for Quasi-ϕ-asymptotically nonexpansive mappings and equilibrium problem in banach spaces ". *APPLIED MATHEMATICS AND COMPUTATION*, Vol. 217, pp.7520-7530 (2011) (DOI:10.1016/j.amc.2011.02.060)

13 CHANG, SHIH-SEN, **LEE, H.W.JOSEPH**, **CHAN, CHI KIN** and LIU, JING AI " Strong convergence theorems for countable families of asymptotically relatively nonexpansive mappings with applications ". *APPLIED MATHEMATICS AND COMPUTATION*, Vol. 218, pp.3187-3198 (2011) (doi: 10.1016/j.amc.2011.08.055)

14 CHANG, SHIH-SEN, **LEE, H.W.JOSEPH**, **CHAN, CHI KIN** and YANG, LI " Approximation theorems for total quasi-ϕ-asymptotically nonexpansive mappings with applications ". *APPLIED MATHEMATICS AND COMPUTATION*, Vol. 218, pp.2921-2931 (2011) (DOI:10.1016/j.amc.2011.08.036)

15 CHAU, H F, LI, CHI-KWONG, POON, YIU-TUNG and **SZE, NUNG-SING** " Induced metric and matrix inequalities on unitary matrices ". *JOURNAL OF PHYSICS A: MATHEMATICAL AND THEORETICAL*, Vol. 45, pp.095201 (2012) (DOI: 10.1088/1751-8113/45/9/095201)

16 CHEN, XIAO SHAN, LI, WEN, **CHEN, XIAOJUN** and LIU, JUN " Structured backward errors for generalized saddle point systems ". *LINEAR ALGEBRA AND ITS APPLICATIONS*, Vol. 436, No. 9, pp.3109-3119 (2012) (DOI:10.1016/j.laa.2011.10.012)

17 **CHEN, XIAOJUN** " Smoothing methods for nonsmooth, nonconvex minimization ". *MATHEMATICAL PROGRAMMING SERIES B*, Vol. 134, pp.71-99 (2012) (DOI:10.1007/s10107-012-0569-0)

18 **CHEN, XIAOJUN** and FUKUSHIMA, MASAO " Foreword [Dedicated to Professor Liqun Qi for his 65th birthday] ". *COMPUTATIONAL OPTIMIZATION AND APPLICATIONS*, Vol. 50, No. 2, pp.189-192 (2011) (DOI:10.1007/s10589-010-9382-y)

19 **CHEN, XIAOJUN** and WANG, ZHENGYU " Computational error bounds for a differential linear variational inequality ". *IMA Journal of Numerical Analysis*, Vol. 32, No. 3, pp.957-982 (2012) (DOI: 10.1093/imanum/drr009)

20 **CHEN, XIAOJUN** and XIANG, SHUHUANG " Implicit solution function of P0 and Z matrix linear complementarity constraints ". *MATHEMATICAL PROGRAMMING. SERIES A & B*, Vol. 128, No. 1-2, pp.1-18 (2011) (DOI:10.1007/s10107-009-0291-8)

21 **CHEN, XIAOJUN**, FROMMER, ANDREAS and LANG, BRUNO " Computational existance proofs for spherical t-designs ". *NUMERISCHE MATHEMATIK*, Vol. 117, pp.289-305 (2011) (DOI:10.1007/s00211-010-0332-5)

22 **CHEN, XIAOJUN**, WETS, ROGER J.-B. and ZHANG, YANFANG " Stochastic Variational Inequalities: Residual Minimization Smoothing Sample Average Approximations ". *SIAM JOURNAL ON OPTIMIZATION*, Vol. 22, No. 2, pp.649-673 (2012) (DOI:10.1137/110825248)

23 CHEN, YANNAN, HAN, DEREN and **QI, LIQUN** " New ALS Methods With Extrapolating Search Directions and Optimal Step Size for Complex-Valued Tensor Decompositions ". *IEEE TRANSACTIONS ON SIGNAL PROCESSING*, Vol. 59, No. 12, pp.5888-5897 (2011) (DOI: 10.11.9/TSP.2011.2164911)

24 CHIU, CHUN-HUNG, CHOI, TSAN-MING and **LI, XUN** " Supply chain coordination with risk sensitive retailer under target sales rebate ". *AUTOMATICA J. IFAC*, Vol. 47, No. 8, pp.1617-1625 (2011)

25 CHOI, MAN-DUEN, **HUANG, ZEJUN**, LI, CHI-KWONG and **SZE, NUNG-SING** " Every invertible matrix is diagonally equivalent to a matrix with distinct eigenvalues ". *LINEAR ALGEBRA AND ITS APPLICATIONS*, Vol. 436, pp.3773-3776 (2012)

26 DMITRAŠINOVIĆ-VIDOVIĆ, GORDANA, LARI-LAVASSANI, ALI, **LI, XUN** and WARE, ANTONY " Dynamic portfolio selection under capital-at-risk with no short-selling constraints ". *INTERNATIONAL JOURNAL OF THEORETICAL AND APPLIED FINANCE*, Vol. 14, No. 6, pp.957-977 (2011) (DOI:10.1142/S0219024911006802)

27 DUWIG, CHRISTOPHE, **NOGENMYR, KARL-JOHAN**, **CHAN, CHEONG-KI** and DUNN, MATTHEW J. " Large Eddy Simulations of a piloted lean premix jet flame using finite-rate chemistry ". *COMBUSTION THEORY AND MODELLING*, Vol. 15, No. 4, pp.537-568 (2011) (http://dx.doi.org/10.1080/13647830.2010.548531) (DOI: 10.1080/13647830.2010.548531)

28 FANG, D.H., LI, C. and **YANG, X.Q.** " Stable and total Fenchel duality for DC optimization problems in locally convex spaces ". *SIAM JOURNAL ON OPTIMIZATION*, Vol. 21, No. 3, pp.730-760 (2011) (DOI. 10.1137/100789749)

29 FANG, YA PING, MENG, KAIWEN and **YANG, XIAO QI** " Piecewise Linear Multicriteria Programs: The Continuous Case and Its Discontinuous Generalization ". *OPERATIONS RESEARCH*, Vol. 60, No. 2, pp.398-409 (2012) (http://dx.doi.org/10.1287/opre.1110.1014)

30 FENG, ZHI GUO, **YIU, KA FAI CEDRIC** and MAK, KAI LING " Defect detection for patterned textile fabrics with deformations ". *INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL*, Vol. 8, No. 8, pp.5643-5656 (2012)

31 **FENG, ZHI GUO**, **YIU, KA FAI CEDRIC** and NORDHOLM, S " A total least squares technique for the design of a wireless beamforming system ". *INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL*, Vol. 8, No. 5(B), pp.3781-3792 (2012)

32 **FENG, ZHI GUO, YIU, KA FAI CEDRIC** and NORDHOLM, SVEN ERIK " A Two-Stage Method for the Design of Near-Field Broadband Beamformer ". *IEEE TRANSACTIONS ON SIGNAL PROCESSING*, Vol. 59, No. 8, pp.3647-3656 (2011) (DOI 10.1109/TSP.2011.2133490)

33 **FENG, ZHI GUO**, **YIU, KA FAI CEDRIC** and NORDHOLM, SVEN ERIK " Placement Design of Microphone Arrays in Near-Field Broadband Beamformers ". *IEEE TRANSACTIONS ON SIGNAL PROCESSING*, Vol. 60, No. 3, pp.1195-1204 (2012) (DOI: 10.1109/TSP.2011.2178491)

34 **FENG, ZHIGUO**, **YIU, CEDRIC KA FAI**, NORDHOLM, SVEN and TEO, KOK-LAY " Design of broadband beamformers with low complexity ". *EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING (J-ASP)*, Vol. 2012, No. 62, pp.1-11 (2012)

35 HE, XIAOMING, LIN, TAO and **LIN, YANPING** " The Convergence of the Bilinear and Linear Immersed Finite Element Solutions to Interface Problems ". *NUMERICAL METHODS PARTIAL DIFFERENTIAL EQUATIONS*, Vol. 28, No. 1, pp.312-330 (2012) (DOI 10.1002/num.20620)

36 HU, GUANGHUI, **QIAO, ZHONGHUA** and TANG, TAO " Moving Finite Element Simulations for Reaction-Diffusion Systems ". *Advances in Applied Mathematics and Mechanics*, Vol. 4, No. 3, pp.365-381 (2012) (DOI: 10.4208/aamm.10-m11180)

37 **HUANG, JIANHUI**, **LI, XUN** and SHI, JINGTAO " Forward-backward linear quadratic stochastic optimal control problem with delay ". *System and Control Letters*, Vol. 61, pp.623-630 (2012) (DOI: 10.1016/j.sysconle.2012.02.010)

38 HUANG, X.X. and **YANG, X.Q.** " Further study on the Levitin-Polyak well-posedness of constrained convex vector optimization problems ". *NONLINEAR ANALYSIS*, Vol. 75, No. 3, pp.1341-1347 (2012) (DOI:10.1016/j.na.2011.01.012)

39 HUANG, XIMIN, SONG, NA, CHING, WAI-KI, SIU, TAK-KUEN and **YIU, KA-FAI CEDRIC** " A real option approach to optimal inventory management of retail products ". *JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION*, Vol. 8, No. 2, pp.379-389 (2012) (DOI:10.3934/jimo.2012.8.379)

40 **KWONG, MAN KAM** and ZETTL, ANTON " New Proofs and Extenstions of Sylvester's and Johnson's Inertia Theorems to Non-hermitian Matrices ". *PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY*, Vol. 139, No. 11, pp.3795-3806 (2011)

41 LI, CHI-KWONG, NAKAHARA, MIKIO, POON, YIU-TUNG, **SZE, NUNG-SING** and TOMITA, HIROYUKI " Efficient quantum error correction for fully correlated noise ". *PHYSICS LETTERS A*, Vol. 375, No. 37, pp.3255-3258 (2011) (DOI:10.1016/j.physleta.2011.07.027)

42 LI, CHI-KWONG, NAKAHARA, MIKIO, POON, YIU-TUNG, **SZE, NUNG-SING** and TOMITA, HIROYUKI " Recovery in quantum error correction for general noise without measurement ". *Quantum Information & Computation*, Vol. 12, No. 1&2, pp.149-158 (2012)

43 LI, CHI-KWONG, NAKAHARA, MIKIO, POON, YIU-TUNG, **SZE, NUNG-SING** and TOMITA, HIROYUKI " Recursive encoding and decoding of the noiseless subsystem and decoherence-free subspace ". *PHYSICAL REVIEW A*, Vol. 84, pp.044301 (2011) (DOI: 10.1103/PhysRevA.84.044301)

44 **LI, CHI-KWONG, POON, YIU-TUNG and** SZE, NUNG-SING " A note on the realignment criterion ". *JOURNAL OF PHYSICS A: MATHEMATICAL AND THEORETICAL*, Vol. 44, pp.315304 (2011) (DOI:10.1088/1751-8113/44/31/315304)

45 LI, CHI-KWONG, POON, YIU-TUNG and **SZE, NUNG-SING** " Elliptical range theorems for generalized numerical ranges of quadratic operators ". *ROCKY MOUNTAIN JOURNAL OF MATHEMATICS*, Vol. 41, No. 3, pp.813-832 (2011) (DOI: 10.1216/RMJ-2011-41-3-813)

46 LI, JICHUN, HUANG, YUNQING and **LIN, YANPING** " Developing finite element methods for Maxwell's equations in a Cole-Cole dispersive medium. ". *SIAM JOURNAL ON SCIENTIFIC COMPUTING*, Vol. 33, No. 6, pp.3153-3174 (2011) (DOI. 10.1137/110827624)

47 LI, Z. -B., **YIU, C.**, LEUNG, R. C. K. and NORDHOLM, S. " Indoor Beamformer Design Using Room Simulators ". *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA*, Vol. 131, No. 4, pp.3351-3351 (2012)

48 LIN, T., **LIN, Y.**, SUN, W.-W and WANG, Z. " Immersed finite element methods for 4th order differential equations. ". *JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS*, Vol. 235, No. 13, pp.3953-3964 (2011) (DOI: 10.1016/j.cam.2011.01.041)

49 LING, CHEN and **QI, LIQUN** " Some Results on ℓ^k - Eigenvalues of Tensor and Related Spectral Radiusa ". *NUMERICAL ALGEBRA, CONTROL AND OPTIMIZATION*, Vol. 1, No. 3, pp.381-388 (2011) (doi:10.3934/naco.2011.1.381)

50 LIU, AIYI, **LIU, CHUNLING**, ZHANG, ZHIWEI and PAUL, S. ALBERT " Optimality of Group Testing in the Presence of Misclassification ". *BIOMETRIKA*, Vol. 99, pp.245-251 (2012) (DOI: 10.1093/biomet/asr064)

51 **LIU, CHUNLING**, LIU, AIYI and HALABI, SUSAN " A min-max combination of biomarkers to improve diagnostic accuracy ". *STATISTICS IN MEDICINE*, Vol. 30, No. 16, pp.2005-2014 (2011)

52 LIU, JIA and **WANG, ZHI-AN** " Classical solutions and steady states of an attraction-repulsion chemotaxis in one dimension ". *Journal of Biological Dynamics*, Vol. 6, pp.31-41 (2012) (http://dx.doi.org/10.1080/17513758.2011.571722)

53 LU, STEVEN Y.P., LAU, HENRY Y.K. and **YIU, CEDRIC K.F.** " A hybrid solution to collaborative decision-making in a decentralized supply-chain ". *JOURNAL OF ENGINEERING AND TECHNOLOGY MANAGEMENT*, Vol. 29, pp.95-111 (2012) (DOI: 10.1016/j.jengtecman.2011.09.008)

54 MA, CHENG#, **LI, XUN**, **YIU, KA-FAI CEDRIC** and ZHANG, LIAN-SHENG " New exact penalty function for solving constrained finite min-max problems ". *APPLIED MATHEMATICS AND MECHANICS*, Vol. 33, No. 2, pp.253-270 (2012) (DOI 10.1007/s10483-012-1548-6)

55 MA, MANJUN, OU, CHUNHUA and **WANG, ZHI-AN** " Stationary solutions of a volume-filling chemotaxis model with logistic growth and their stability ". *SIAM JOURNAL ON APPLIED MATHEMATICS*, Vol. 72, No. 3, pp.740-766 (2012) (DOI:10.1137/110843964)

56 MAK, KAI-LING, PENG, PAI and **YIU, KA-FAI CEDRIC** " Fabric defect detection using multi-level tuned-matched Gabor filters ". *JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION*, Vol. 8, No. 2, pp.325-341 (2012) (DOI:10.3934/jimo.2012.8.325)

57 MICHAEL, NG, CHAN, RAYMOND, **CHEN, XIAOJUN**, **QI, LIQUN**, LUK, FRANKLIN, NG, MICHAEL and TYRTYSHNIKOV, EUGENE " Structured matrices and tensors ". *NUMERICAL LINEAR ALGEBRA WITH APPLICATIONS*, Vol. 19, No. 1, pp.1-2 (2012) (DOI: 10.1002/nla.826)

58 NIE, G.H., **CHAN, C.K.** and HE, T.T. " Asymptotic Solution for Post-Buckling of a Circular Delamination with Non-Linear Fiber Bridging in 3D Orthotropic Materials ". *MECHANICS OF ADVANCED MATERIALS AND STRUCTURES*, Vol. 19, No. 5, pp.367-375 (2012) (http://dx.doi.org/10.1080/15376494.2010.528165) (DOI: 10.1080/15376494.2010.528165)

59 **QI, LIQUN** " The Best Rank-One Approximation Ratio of a Tensor Space ". *SIAM JOURNAL ON MATRIX ANALYSIS AND APPLICATIONS*, Vol. 32, No. 2, pp.430-442 (2011) (DOI. 10.1137/100795802)

60 SUN, LIUQUAN, **ZHAO, XINGQIU** and ZHOU, JIE " A class of mixed models for recurrent event data ". *Canadian Journal of Statistics*, Vol. 39, No. 4, pp.578-590 (2011) (DOI: 10.1002/cjs.10132)

61 SUN, ZHI-HUA, **IP, WAI-CHEUNG** and **WONG, HEUNG** " Model Checking for a General Linear Model with Nonignorable Missing Covariates ". *Acta Mathematicae Applicatae Sinica, English Series*, Vol. 28, No. 1, pp.99-110 (2012) (DOI: 10.1007/s10255-012-0125-y)

62 TIAN, GUO-LIANG, TANG, MAN-LAI and **LIU, CHUNLING** " Accelerating the quadratic lower- bound algorithm via optimizing the shrinkage parameter ". *Computational Statistics & Data Analysis*, No. 56, pp.255-265 (2012) (DOI:10.1016/j.csda.2011.07.013)

63   WANG, JINGYI, XU, CHEN, FENG, JIANWEN, **KWONG, MAN KAM** and **AUSTIN, FRANCIS** " Mean-Square Exponential Synchronization of Markovian Switching Stochastic Complex Networks with Time-Varying Delays by Pinning Control ". *Abstract and Applied Analysis*, Vol. 2012, pp.1-18 (2012) (DOI:10.1155/2012/298095)

64   WANG, KUN, **LIN, YANPING** and HE, YINNIAN " Asymptotic analysis of the equations of motion for viscoelastic Oldroyd fluid ". *Discrete and continuous Dynamcial Systems*, Vol. 32, No. 2, pp.657-677 (2012) (DOI: 10.3934/dcds.2012.32.657)

65   WANG, QIHUA, DINSE, GREGG E. and **LIU, CHUNLING** " Hazard function estimation with cause-of-death data missing at random ". *Annals of the Institute of Statistical Mathematics*, Vol. 64, pp.415-438 (2012) (DOI:10.1007/s10463-010-0317-2)

66   **WANG, ZHI-AN** " Wavefront of an angiogenesis model ". *DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B*, Vol. 17, No. 8, pp.2849-2860 (2012) (DOI:10.3934/dcdsb.2012.17.2849)

67   **WANG, ZHI-AN**, WINKLER, MICHAEL and WRZOSEK, DARIUSZ " Singularity formation in chemotaxis systems with volume-filling effect ". *NONLINEARITY*, Vol. 24, pp.3279-3297 (2011) (DOI: 10.1088/0951-7715/24/12/001)

68   WOLTERS, VM, XU, W, **ZHAO, X**, WALTERS, TD, GRIFFITHS, AM, SILVERBERG, MS and MUISE, AM " Replication of genetic variation in the MYO9B gene in Crohn's disease ". *Human Immunology*, Vol. 72, No. 7, pp.592-597 (2011)

69   WONG, K.H., **LEE, H.W.J.** and **CHAN, C.K.** " Control Parametrization and Finite Element Method for Controlling Multi-species Reactive Transport in a Rectangular Diffuser Unit ". *JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS*, Vol. 150, pp.118-141 (2011) (DOI:10.1007/s10957-011-9826-2)

70   XIANG, SHUHUANG and **CHEN, XIAOJUN** " Computation of generalized differentials in nonlinear complementarity problems ". *COMPUTATIONAL OPTIMIZATION AND APPLICATIONS*, Vol. 50, pp.403-423 (2011) (DOI:10.1007/s10589-010-9349-z)

71   XU, YI, SUN, WENYU and **QI, LIQUN** " A feasible direction method for the semidefinite program with box constraints ". *APPLIED MATHEMATICS LETTERS*, Vol. 24, pp.1874-1881 (2011) (DOI: 10.1016/j.aml.2011.05.010)

72   YI, NA, ZHANG, QINGLING, LIU, PENG and **LIN, YANPING** " Codimension-two bifurcations analysis and tracking control on a discrete epidemic model. ". *Journal of Systems Science and Complexity*, Vol. 24, No. 6, pp.1033-1056 (2011) (DOI: 10.1007/s11424-011-9041-0)

73   **YIU, KA FAI CEDRIC**, GAO, MING JIE# and **FENG, ZHI GUO** " Design of distributed beamforming system using semi-definite programming ". *INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING, INFORMATION AND CONTROL*, Vol. 8, No. 5(B), pp.3755-3768 (2012)

74   **YIU, KA FAI CEDRIC**, **LU, YAO**, HO, CHUN HOK, LUK, WAYNE, HUO, JIAQUAN and NORDHOLM, SVEN " Reconfigurable FPGA-based switching path frequency-domain echo canceller with applications to voice control device ". *DIGITAL SIGNAL PROCESSING*, Vol. 22, pp.376-390 (2012) (DOI:10.1016/j.dsp.2011.10.008)

75 YU, MARCO, WEINREB, ROBERT N., **YIU, CEDRIC**, LIU, SHU, **OR, MING KEUNG**, YE, CONG, LAM, DENNIS SHUN-CHIU and LEUNG, CHRISTOPHER KAI-SHUN " Computer Simulation of Progressive Retinal Nerve Fiber Layer Loss in Glaucoma: Performance of Event and Trend Analyses ". *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*, Vol. 52, No. 13, pp.9674-9683 (2011) (DOI:10.1167/iovs.11-8052)

76 YU, W.P., **CHIU, L.L.**, MAK, W.M., YAU, M.C. and YEE, T. " Evaluation of Training Effectiveness: A pre- and Post-Training Study for "Energize Programme" ". (March 2011-February 2012)

77 **ZHANG, GUOFENG** and JAMES, MATTHEW R. " Quantum feedback networks and control: A brief survey ". *CHINESE SCIENCE BULLETIN*, Vol. 57, No. 18, pp.2200-2214 (2012) (doi: 10.1007/s11434-012-5199-7)

78 ZHANG, ROU-JING, **HOU, S.H.** and **CHAN, C.K.** " Momentum equation for straight electrically charged jet ". *APPLIED MATHEMATICS AND MECHANICS*, Vol. 32, No. 12, pp.1515-1524 (2011) (http://dx.doi.org/10.1007/s10483-011-1520-9) (DOI 10.1007/s10483-011-1520-9)

79 **ZHANG, XINZHEN**, LING, CHEN and **QI, LIQUN** " Semidefinite relaxation bounds for bi-quadratic optimization problems with quadratic constraints ". *JOURNAL OF GLOBAL OPTIMIZATION*, Vol. 49, pp.293-311 (2011) (DOI 10.1007/s10898-010-9545-5)

80 ZHANG, YA, CAO, LIQUN, ALLEGRETTO, WALTER and **LIN, YANPING** " Multiscale numerical algorithm for 3-D Maxwell's equations with memory effects in composite materials ". *INTERNATIONAL JOURNAL OF NUMERICAL ANALYSIS AND MODELING, SERIES B*, Vol. 1, No. 1, pp.41-57 (2010)

81 **ZHAO, XINGQIU** and SUN, JIANGUO " Nonparametric Comparison for Panel Count Data with Unequal Observation Processes ". *Biometrics*, Vol. 67, No. 3, pp.770-779 (2011) (DOI: 10.1111/j.1541-0420.2010.01504.x)

82 **ZHAO, XINGQIU**, **TONG, XINGWEI** and SUN, LIUQUAN " Joint analysis of longitudinal data with dependent observation times ". *Statistica Sinica*, Vol. 22, No. 1, pp.317-336 (2012) (DOI: http://dx.doi.org/10.5705/ss.2009.261)

83 ZHOU, Y.Y. and **YANG, X.Q.** " Augmented Lagrangian functions for constrained optimization problems ". *JOURNAL OF GLOBAL OPTIMIZATION*, Vol. 52, No. 1, pp.95-108 (2012) (DOI 10.1007/s10898-011-9688-z)