## Список литературы

- [1] Abello, M. A Reactive-Proactive Approach for Solving Dynamic Scheduling with Time-varying Number of Tasks / M. Abello, Z. Michalewicz, L. T. Bui // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2121–2130.
- [2] An ACO Inspired Weighting Approach for the Spectral Partitioning of Co-authorship Networks / P. Kromer, V. Snasel, J. Platos et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 3659–3665.
- [3] Adapting Subject-Independent Task-Specific EEG Feature Masks using PSO / A. Atyabi, M. Luerssen, S. P. Fitzgibbon, D. M. W. Powers // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2155–2161.
- [4] An Adaptive Constraint Handling Approach Embedded MOEA/D / M. Asafuddoula, T. Ray, R. Sarker, K. Alam // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 2651–2658.
- [5] An Adaptive Data Structure for Evolutionary Multi-Objective Algorithms with Unbounded Archives / J. Yuen, S. Gao, M. Wagner, F. Neumann // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1985—1992.
- [6] An Adaptive Memetic Algorithm Using a Synergy of Differential Evolution and Learning Automata / A. Sengupta, T. Chakraborti, A. Konar et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2436—2443.
- [7] Adewumi, A. Optimizing the Assignment of Blood in a Blood Banking System: Some Initial Results / A. Adewumi, N. Budlender, M. Olusanya // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 751–756.
- [8] Aggressive and Effective Feature Selection using Genetic Programming / I. Sandin, G. Andrade, F. Viegas et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2718–2725.
- [9] Ahmed, K. PSO as a Meta-Search for Hyper-GA System to Evolve Optimal Agendas for Sequential Multi-Issue Negotiation / K. Ahmed, F. Shaheen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3108–3115.
- [10] Akay, B. Structural Optimization of Wavelet Packets using Swarm Algorithms / B. Akay, I. Kirmizi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 2931–2935.
- [11] Alam, S. What Can Make an Airspace Unsafe? Characterizing Collision Risk using Multi-Objective Optimization / S. Alam, C. Lokan, H. Abbass // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 214–221.
- [12] Albaity, H. On Extending Quantum Behaved Particle Swarm Optimization to MultiObjective Context / H. Albaity, S. Meshoul, A. Kaban // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 1967—1974.
- [13] Aleti, A. Adaptive Range Parameter Control / A. Aleti, I. Moser, S. Mostaghim // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2405–2412.

- [14] Alghamdi, H. Hybrid ACO and TOFA Feature Selection Approach for Text Classification / H. Alghamdi, L. Tang, S. Alshomrani // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 3184–3189.
- [15] Ali, M. Socio-Cultural Evolution via Neighborhood restructuring in Intricate Multi-Layered Networks / M. Ali, A. Salhieh, R. Reynolds // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3387–3394.
- [16] Almakhlafi, A. Benchmarks for Maintenance Scheduling Problems in Power Generation / A. Almakhlafi, J. Knowles // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3464–3471.
- [17] Alsheddy, A. Off-line Parameter Tuning for Guided Local Search Using Genetic Programming / A. Alsheddy, M. Kampouridis // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 112–116.
- [18] Alvares, M. Optimizing Risk Management Using NSGA-II / M. Alvares, F. Buarque, T. Marwala // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 477–484.
- [19] Amaral, L. Never-Ending Learning Principles in Gene Ontology Classification using Genetic Algorithms / L. Amaral, E. Hruschka // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 676-683.
- [20] Anh, H. T. Intention Recognition, Commitment and the Evolution of Cooperation / H. T. Anh, M. P. Luis, C. S. Francisco // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2025–2032.
- [21] Ant Colony Optimization Algorithm for Analog Filter Design / W. guan Wang, Y. biao Ling, J. Zhang, Y. ping Wang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 3072—3077.
- [22] Application of Free Pattern Search on the Surface Roughness Prediction in End Milling / L. Wen, L. Gao, X. Li et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 765-770.
- [23] Applying knowledge of users with similar preference to construct surrogate models of IGAs / D. Gong, L. Yang, X. Sun, M. Li // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3168–3175.
- [24] Arias-Montano, A. Multi-Objective Airfoil Shape Optimization Using a Multiple-Surrogate Approach / A. Arias-Montano, C. A. Coello Coello, E. Mezura-Montes // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2178–2185.
- [25] An Artificial Immune System for Phishing Detection / X. Fang, N. Koceja, J. Zhan et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 392–398.
- [26] Ashlock, D. Impact of Regulatory Genes On Optimization Behavior / D. Ashlock, W. Ashlock // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3403–3410.
- [27] Ashlock, D. Single Parent Generalization of Cellular Automata Rules / D. Ashlock, S. McNicholas // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 263–270.
- [28] Assessing the Similarity of Quantum Images based on Probability Measurements / F. Yan, P. Q. Le, A. M. Iliyasu et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1662–1667.

- [29] An Asynchronous Parallel Genetic Algorithm for the Maximum Likelihood Phylogenetic Tree Search / M. Tsuji, M. Sato, A. Tanabe et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2349— 2356.
- [30] Au, C.-K. Eigenspace sampling in the mirrored variant of (1,lambda)-CMA-ES / C.-K. Au, H.-F. Leung // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 871–878.
- [31] AutoClustering An Estimation of Distribution Algorithm for the Automatic Generation of Clustering Algorithms / A. S. G. Meiguins, R. C. Limao, B. S. Meiguins et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 2687–2693.
- [32] Avasarala, V. iPresage: An innovative Patent Landscaping tool / V. Avasarala, P. Bonissone // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 372–378.
- [33] Balazs, K. Hybrid Bacterial Iterated Greedy Heuristics for the Permutation Flow Shop Problem / K. Balazs, L. T. Koczy // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1497–1504.
- [34] Balcar, S. An Evolutionary Algorithm for 2D Semi-Guillotinable Circular Saw Cutting / S. Balcar, M. Pilat, R. Neruda // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 1908—1912.
- [35] Bansal, R. A Hybrid Evolutionary Algorithm for the Cutwidth Minimization Problem / R. Bansal, K. Srivastava, S. Srivastava // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2263–2270.
- [36] Barmada, S. Global Optimization Algorithm Based on Self-Organizing Centroids / S. Barmada, M. Raugi, M. Tucci // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1851–1856.
- [37] Bashir, H. Convergence Measurement in Evolutionary Computation using Price's Theorem / H. Bashir, R. Neville // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2559–2566.
- [38] Bashir, H. A Hybrid Evolutionary Computation Algorithm for Global Optimization / H. Bashir, R. Neville // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2829–2836.
- [39] Baydin, A. G. Evolution of Ideas: A Novel Memetic Algorithm Based on Semantic Networks / A. G. Baydin, R. L. de Mantaras // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2774—2781.
- [40] Beer, C. Improving Exploration in Ant Colony Optimisation with Antennation / C. Beer, T. Hendtlass, J. Montgomery // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2944—2951.
- [41] Benedicic, L. Balancing downlink and uplink soft-handover areas in UMTS networks / L. Benedicic, M. Stular, P. Korosec // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1002–1009.
- [42] Bidlo, M. Evolution of Cellular Automata Using Instruction-Based Approach / M. Bidlo, Z. Vasicek // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2057–2064.
- [43] Binary Particle Swarm Optimisation for Feature Selection: A Filter Based Approach / L. Cervante, B. Xue, M. Zhang, L. Shang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1877–1884.

- [44] Biogeography-Based Optimization with Ensemble of Migration Models for Global Numerical Optimization / H. Ma, M. Fei, Z. Ding, J. Jin // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1110-1117.
- [45] Bipolar Preferences Dominance based Evolutionary Algorithm for Many-Objective Optimization / F. yue Qiu, Y. shi Wu, L. ping Wang, B. Jiang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 787–794.
- [46] Bisexual Evolution: A Novel Bisexual Evolutionary Framework Based on the Fisher's Runaway Process / R. Cheng, M. Yao, X. Xue, B. Shen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1952–1959.
- [47] Bonyadi, M. R. A Fast Particle Swarm Optimization Algorithm for the Multidimensional Knapsack Problem / M. R. Bonyadi, Z. Michalewicz // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1402—1409.
- [48] Borges, E. Silhouette-Based Clustering using an Immune Network / E. Borges, D. G. Ferrari, L. N. de Castro // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1768–1776.
- [49] Brabazon, A. Optimal Patent Design: An Agent-based Approach / A. Brabazon, A. Silva, M. O'Neill // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1102–1109.
- [50] Britto, A. Using Archiving Methods to Control Convergence and Diversity for Many-Objective Problems in Particle Swarm Optimization / A. Britto, A. Pozo // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1646–1653.
- [51] Bruck, B. Hybrid metaheuristic for the single vehicle routing problem with deliveries and selective pickups / B. Bruck, A. Santos, J. Arroyo // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1913–1920.
- [52] Bui, V. An Expressive GL-2 Grammar for Representing Story-like Scenarios / V. Bui, A. Bender, H. Abbass // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2782–2789.
- [53] Buijs, J. A Genetic Algorithm for Discovering Process Trees / J. Buijs, B. van Dongen, W. van der Aals // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 1929–1936.
- [54] Bukhtoyarov, V. Neural Networks Ensemble Approach for Detecting Attacks in Computer Networks / V. Bukhtoyarov, E. Semenkin // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3078–3083.
- [55] Campomanes-Alvarez, B. R. Mesh Simplification for 3D Modeling using Evolutionary Multi-Objective Optimization / B. R. Campomanes-Alvarez, S. Damas, O. Cordon // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1364–1371.
- [56] Cancino, W. EvoGraphDice: Interactive Evolution for Visual Analytics / W. Cancino, N. Boukhelifa, E. Lutton // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2286—2293.

- [57] Cao, H. The Experimental Study of Population-based Parameter Optimization Algorithms on Rule-based Ecological Modelling / H. Cao, F. Recknagel, P. T. Orr // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.— 10-15 June. — P. 3254–3261.
- [58] Carraro, L. A. A Clonal Selection Algorithm to Minimize Reshuffling in Container Stacking Operations / L. A. Carraro, L. N. de Castro // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1777–1784.
- [59] Castle, T. Evolving Program Trees with Limited Scope Variable Declarations / T. Castle, C. Johnson // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2250—2257.
- [60] Cepeda, J. Identification of Dynamic Equivalents based on Heuristic Optimization for Smart Grid Applications / J. Cepeda, J. Rueda, I. Erlich // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1168–1175.
- [61] Chakraborty, U. Energy-Efficient Routing in Hierarchical Wireless Sensor Networks Using Differential-Evolution-Based Memetic Algorithm / U. Chakraborty, S. Das, T. Abbott // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 3427–3434.
- [62] Characterizing Environmental Changes in Robust Optimization Over Time / H. Fu, B. Sendhoff, K. Tang, X. Yao // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1593—1600.
- [63] Chemical Reaction Optimization for the Optimal Power Flow Problem / Y. Sun, A. Y. Lam, V. O. Li et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 3555—3562.
- [64] Chen, A. H.-L. An Artificial Bee Colony Algorithm for the Cardinality-Constrained Portfolio Optimization Problems / A. H.-L. Chen, Y.-C. Liang, C.-C. Liu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2936–2943.
- [65] Chen, J.-L. An Improved LGA for Protein-Ligand Docking Prediction / J.-L. Chen, C.-W. Tsai, C.-S. Yang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 302–307.
- [66] Chen, M.-L. Fuzzy optimization for a batch simultaneous saccharification and co-fermentation process by hybrid differental evolution / M.-L. Chen, F.-S. Wang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.— 10-15 June. — P. 2890–2897.
- [67] Chen, S. Particle Swarm Optimization with pbest Crossover / S. Chen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 540–545.
- [68] Chen, S. Simulated Annealing with Thresheld Convergence / S. Chen, C. Xudiera, J. Montgomery // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 2537—2543.
- [69] Chen, S.-H. Coordination in the El Farol Bar Problem: The Role of Social Preferences and Social Networks / S.-H. Chen, U. Gostoli // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1152–1159.
- [70] Cheng, S. Dynamical Exploitation Space Reduction in Particle Swarm Optimization for Solving Large Scale Problems / S. Cheng, Y. Shi, Q. Qin // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 3023–3030.

- [71] Cheng, S. Particle Swarm Optimization based Semi-Supervised Learning on Chinese Text Categorization / S. Cheng, Y. Shi, Q. Qin // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3176–3183.
- [72] Cheng, S. Population Diversity Based Study on Search Information Propagation in Particle Swarm Optimization / S. Cheng, Y. Shi, Q. Qin // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 562–569.
- [73] Cheung, C. Use of evolutionary computation techniques for exploration and prediction of helicopter loads / C. Cheung, J. J. Valdes, M. Li // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1130–1137.
- [74] Chikumbo, O. Approximating a multi-dimensional Pareto front for a land use management problem: A modified MOEA with an epigenetic silencing metaphor / O. Chikumbo, E. Goodman, K. Deb // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1529–1537.
- [75] Chiong, R. The Evolution of Cooperation via Stigmergic Interactions / R. Chiong, M. Kirley // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2017–2024.
- [76] Chira, C. Evolutionary Detection of Community Structures in Complex Networks: a New Fitness Function / C. Chira, A. Gog, D. Iclanzan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2365—2372.
- [77] Ch'ng, S. H. Online Evolution of Offensive Strategies in Real-Time Strategy Gaming / S. H. Ch'ng, J. Teo // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 100-107.
- [78] Chow, C. K. Continuous Non-revisiting Genetic Algorithm with Overlapped Search Sub-Region / C. K. Chow, S. Y. Yuen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2975—2982.
- [79] Chowdhury, A. Adaptive Regulatory Genes Cardinality for Reconstructing Genetic Networks / A. Chowdhury, M. Chetty, N. Vinh // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1285–1292.
- [80] Ciesielski, V. Comparison of Evolutionary and Conventional Feature Extraction Methods for Malt Classification / V. Ciesielski, B. Lam, M. L. Nguyen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1349–1355.
- [81] Classification with Missing Data using Multi-Layered Artificial Immune Systems / M. Duma, B. Twala, T. Marwala, F. Nelwamondo // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1687–1694.
- [82] Co-evolution of Symptom-Herb Relationship / J. Poon, D. Yin, S. Poon et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2460–2465.
- [83] A Coevolution Genetic Programming Method to Evolve Scheduling Policies for Dynamic Multiobjective Job Shop Scheduling Problems / S. Nguyen, M. Zhang, M. Johnston, T. K. Chen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 3332–3339.
- [84] Comparison of the Criteria for Updating Kriging Response Surface Models in Multi-Objective Optimization / K. Shimoyama, K. Sato, S. Jeong, S. Obayashi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2170-2177.

- [85] Comparison Study of Controlling Bloat Model of GP in Constructing Filter for Cell Image Segmentation Problems / H. Yamaguchi, T. Hiroyasu, S. Nunokawa et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 3503-3510.
- [86] Conti, C. R. ACOR-V an Algorithm that Incorporates the Visibility Heuristic to the ACO in Continuous Domain / C. R. Conti, M. Roisenberg, G. S. Neto // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2952-2959.
- [87] A Continuous Estimation of Distribution Algorithm by Evolving Graph Structures Using Reinforcement Learning / X. Li, B. Li, S. Mabu, K. Hirasawa // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2097–2104.
- [88] Continuous Presentation for Multi-Objective Channel Selection in Brain-Computer Interfaces / N. A. Moubayed, B. A. S. hasan, J. Q. Gan et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 3488-3494.
- [89] Control Parameters Self-Adaptation in Differential / Z. Shang, L. Zhihui, J. J. Liang, B. Niu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 65–70.
- [90] Couckuyt, I. Towards Efficient Multiobjective Optimization: Multiobjective Statistical Criterions / I. Couckuyt, D. Deschrijver, T. Dhaene // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 2485-2492.
- [91] A Crown Jewel Defense Strategy Based Particle Swarm Optimization / L. Lin, Z. Ji, Z. Zhu, S. He // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 1817–1822.
- [92] Cussat-Blanc, S. Simultaneous cooperative and conflicting behaviors handled by a Gene Regulatory Network / S. Cussat-Blanc, S. Sanchez, Y. Duthen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1037–1044.
- [93] Dahlstedt, P. Turn-Based Evolution as a Proposed Implementation of Artistic Creative Process / P. Dahlstedt // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2637–2643.
- [94] Daniels, B. A Comparison of Representations for the Prediction of Ground-Level Ozone Concentration / B. Daniels, S. Corns, E. Cudney // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2694—2701.
- [95] Data Gathering Tour Optimization for Dubins' Vehicles / D. Macharet, A. A. Neto, V. da Camara Neto, M. Campos // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2041—2048.
- [96] Datta, R. An Adaptive Normalization based Constrained Handling Methodology with Hybrid Bi-Objective and Penalty Function Approach / R. Datta, K. Deb // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.— 10-15 June. — P. 3137–3144.
- [97] DE-TDQL: An Adaptive Memetic Algorithm / P. Bhowmik, P. Rakshit, A. Konar et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2444—2451.
- [98] Deb, K. Handling Many-Objective Problems Using an Improved NSGA-II Procedure / K. Deb,
  H. Jain // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 342–349.

- [99] A decentralized Charge Management for Electric Vehicles using a Genetic Algorithm / A. Gruenewald, S. Hardt, M. Mielke, R. Brueck // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3519–3525.
- [100] Deep, K. Multi Task Selection including Part Mix, Tool Allocation and Process Plans in CNC Machining Centers using New Binary PSO / K. Deep, P. Chauhan, M. Pant // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1823–1830.
- [101] Deep, K. Totally Disturbed Chaotic Particle Swarm Optimization / K. Deep, P. Chauhan, M. Pant // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 1577–1584.
- [102] Density Based Projection Pursuit Clustering / S. Tasoulis, M. Epitropakis, V. Plagianakos, D. Tasoulis // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3643–3650.
- [103] Deterministic Secure Quantum Communication with Mutual Authentication Based on Bell Measurement / Z. Liu, H. Chen, J. Xu et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1751–1755.
- [104] Dias, D. Describing Quantum-Inspired Linear Genetic Programming from Symbolic Regression Problems / D. Dias, M. A. Pacheco // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 907-914.
- [105] Dick, G. Niche Allocation in Spatially-Structured Evolutionary Algorithms with Gradients / G. Dick // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 2210–2217.
- [106] Differential Evolution-Binary Particle Swarm Optimization Algorithm for the Analysis of Aryl Beta-Diketo Acids for HIV-1 Integrase Inhibition / G. M. Ko, A. S. Reddy, S. Kumar et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1278—1284.
- [107] Dimension Reduction in EEG Data using Particle Swarm Optimization / A. Atyabi, M. Luerssen, S. P. Fitzgibbon, D. M. W. Powers // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2147–2154.
- [108] Discrete particle swarm optimization for materials acquisition in multi-unit libraries / Y.-L. Wu, T.-F. Ho, S. J. Shyu, B. M. T. Lin // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 662-668.
- [109] Dorronsoro, B. Study of Different Small-world Topology Generation Mechanisms for Genetic Algorithms / B. Dorronsoro, P. Bouvry // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2226—2233.
- [110] Dower, S. Automatic Implementation of Evolutionary Algorithms on GPUs using ESDL / S. Dower // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 3411–3418.
- [111] Dridi, O. A Multi-Objective Optimization Approach for Resource Assignment and Task Scheduling Problem: Application to Maritime Domain Awareness / O. Dridi, S. Krichen, A. Guitouni // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 469–476.
- [112] Duhain, J. Towards a More Complete Classification System for Dynamically Changing Environments / J. Duhain, A. Engelbrecht // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2742—2749.
- [113] A Dynamic Multi-Agent Algorithm Applied to Challenging Benchmark Problems / J. Lepagnot, A. Nakib, H. Oulhadj, P. Siarry // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2621–2628.

- [114] Dynamic Multi-Swarm Particle Swarm Optimization for Multi-Objective Optimization Problems / J. J. Liang, B. Qu, P. N. Suganthan, B. Niu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1638–1645.
- [115] Effectively Multi-Swarm Sharing Management for Differential Evolution / C.-L. Huo, Y.-S. Lien, Y.-H. Yu, T.-Y. Sun // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2798—2805.
- [116] Effectiveness of Multi-step Crossover Fusions in Genetic Programming / Y. Hanada, N. Hosokawa, K. Ono, M. Muneyasu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2389–2396.
- [117] El-Abd, M. Generalized Opposition-Based Artificial Bee Colony Algorithm / M. El-Abd // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3052—3055.
- [118] El-Abd, M. Particle Swarm Optimization with Adaptive Bounds / M. El-Abd, M. Kamel // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 169—174.
- [119] El-Bouri, A. An Investigation of Initial Solutions on the Performance of an Iterated Local Search Algorithm for the Permutation Flowshop / A. El-Bouri // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 2258—2262.
- [120] Elite Multi-Group Differential Evolution / J. J. Liang, M. X. B, B. Y. Qu et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2413–2419.
- [121] An Elitist Evolutionary Algorithm for Automatically Generating Test Data / J. Louzada, C. Camilo-Junior, A. Vincenzi, C. Rodrigues // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 455–462.
- [122] Elsayed, S. Memetic Multi-Topology Particle Swarm Optimizer for Constrained Optimization / S. Elsayed, R. Sarker, D. Essam // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1379–1386.
- [123] Elsayed, S. Parameters Adaptation in Differential Evolution / S. Elsayed, R. Sarker, T. Ray // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1138–1145.
- [124] Enabling the Discovery of Computational Characteristics of Enzyme Dynamics / G. Jones, C. Lovell, S. Gunn et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2452–2459.
- [125] Energy-Efficient Differentiated Coverage of Dynamic Objects using an Improved Evolutionary Multi-objective optimization Algorithm with Fuzzy-Dominance / S. Sengupta, S. Das, M. Nasir et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 2186—2193.
- [126] Engelbrecht, A. Particle Swarm Optimization: Velocity Initialization / A. Engelbrecht // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1410—1417.
- [127] Epitropakis, M. Multimodal Optimization Using Niching Differential Evolution with Index-based Neighborhoods / M. Epitropakis, V. Plagianakos, M. Vrahatis // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2065–2072.

- [128] Ernst, A. Lagrangian Particle Swarm Optimization for a Resource Constrained Machine Scheduling Problem / A. Ernst, G. Singh // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1585–1592.
- [129] An Evolutionary Approach for Determining Hidden Markov Model for Medical Image Analysis / J. Goh, L. Tang, T. Peto, G. Saleh // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3511–3518.
- [130] An evolutionary data mining approach on hydrological data with classifier juries / W. Segretier, M. Clergue, M. Collard, L. Izquierdo // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2853–2860.
- [131] Evolutionary feature selection and electrode reduction for EEG classification / A. Atyabi, M. Luerssen, S. P. Fitzgibbon, D. M. W. Powers // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 161–168.
- [132] Evolutionary Multi-Objective Optimization of Trace Transform for Invariant Feature Extraction / W. Albukhanajer, Y. Jin, J. Briffa, G. Williams // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1458–1465.
- [133] An Evolutionary Optimized Device for Energy Harvesting from Traffic / A. Pirisi, F. Grimaccia, M. Mussetta, R. E. Zich // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3593–3598.
- [134] An Evolutionary Search Paradigm that Learns with Past Experiences / L. Feng, Y. S. Ong, I. Tsang, A. H. Tan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2813–2820.
- [135] Evolving Approximations for the Gaussian Q-function by Genetic Programming with Semantic Based Crossover / N. P. Dao, Quang Uy Nguyen, Xuan Hoai Nguyen, R. I. B. McKay // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2515–2520.
- [136] Evolving Genetic Programming Classifiers with Loop Structures / F. Abdulhamid, A. Song, K. Neshatian, M. Zhang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2710—2717.
- [137] Evolving Recursive Programs using Non-recursive Scaffolding / A. Moraglio, F. Otero, C. Johnson et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 2242—2249.
- [138] Experimental Analysis of the Relevance of Fitness Landscape Topographical Characterization / P. Caamano, F. Bellas, J. A. Becerra et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 3371—3378.
- [139] Extracting Image Features for Classification By Two-Tier Genetic Programming / H. Al-Sahaf, A. Song, K. Neshatian, M. Zhang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1630–1637.
- [140] Fajfar, I. Selection Strategies and Random Perturbations in Differential Evolution / I. Fajfar // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1836–1842.
- [141] Falcon, R. A Response-Aware Risk Management Framework for Search-and-Rescue Operations / R. Falcon, R. Abielmona // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1333—1340.
- [142] Fast unsupervised learning method for rapid estimation of cluster centroids / M. Yuwono, S. W. Su, B. Moulton, H. Nguyen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2139—2146.

- [143] A Faster Genetic Algorithm for Substation Location and Network Design of Power Distribution Systems / C. Taroco, E. Carrano, O. Neto, R. Takahashi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 463–468.
- [144] Feng, X. Evolving Frame Splitters by Genetic Programming / X. Feng, A. Song // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.-10-15 June. P. 1466–1472.
- [145] Ficici, S. G. Evolutionary Algorithms for Supertree Search / S. G. Ficici, E. Liu, G. B. Fogel // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.-10-15 June. P. 1293-1300.
- [146] Filipic, B. Evolutionary Multiobjective Design of an Alternative Energy Supply System / B. Filipic, I. Lorencin // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 257–262.
- [147] Fonseca, L. A study on fitness inheritance for enhanced efficiency in real-coded genetic algorithms / L. Fonseca, H. Barbosa, A. Lemonge // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 71—78.
- [148] Forghany, Z. Gene Regulatory Network Model Identification Using Artificial Bee Colony and Swarm Intelligence / Z. Forghany, M. Davarynejad, E. Snaar-Jagalska // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 1272–1277.
- [149] Fu, W. Genetic Programming for Edge Detection via Balancing Individual Training Images / W. Fu, M. Johnston, M. Zhang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2702–2709.
- [150] Fu, W. Soft Edge Maps From Edge Detectors Evolved by Genetic Programming / W. Fu, M. Johnston, M. Zhang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1356–1363.
- [151] GA Based High-Order Peak Filter Design With Application to Compensation of Contact-Induced Vibration in HDD Servo Systems / D. Huang, J.-X. Xu, X. Deng et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 3435–3442.
- [152] Gagne, C. An hybrid algorithm for the industrial car sequecing problem / C. Gagne, A. Zinflou // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 279–286.
- [153] Gagne, D. J. Preliminary Results for GAMMI: Genetic Algorithms for Motif-Module Inference / D. J. Gagne, C. B. Congdon // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1309—1316.
- [154] Game AI Generation using Evolutionary Multi-Objective Optimization / K. T. Chang, K. O. Chin, J. Teo, J. Mountstephens // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 948–955.
- [155] Gao, K. A composite heuristic for the no-wait flow shop scheduling / K. Gao, P. N. Suganthan,
  Z. Bao // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 1125–1129.
- [156] Generation of Realistic Mobility for VANETs Using Genetic Algorithms / M. Seredynski, G. Danoy, T. Masoud et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3448–3455.

- [157] Genetic Algorithms to Automatic Weld Bead Detection in Double Wall Double Image Digital Radiographs / M. Kroetz, T. Centeno, M. Delgado et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 578–584.
- [158] A Genetic lbest PSO with Dynamically Varying Subswarm topology / A. Ghosh, A. Chowdhury, S. Sinha et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 669–675.
- [159] Gong, T. A Cross-Model Study on the Effect of Power-Laws on Language Evolution / T. Gong,
  L. Shuai // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 3286–3293.
- [160] Greenwood, G. Evolutionary Games and the Study of Cooperation: Why Has So Little Progress Been Made? / G. Greenwood, D. Ashlock // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 1207—1214.
- [161] Guderian, F. Administration- and Communication-Aware IP Core Mapping in Scalable Multiprocessor System-on-Chips via Evolutionary Computing / F. Guderian, R. Schaffer, G. Fettweis // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 1434–1441.
- [162] Guderian, F. Dimensioning the Heterogeneous Multicluster Architecture via Parallelism Analysis and Evolutionary Computing / F. Guderian, R. Schaffer, G. Fettweis // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1426–1433.
- [163] Gunnersen, S. Towards Objective Data Selection in Bankruptcy Prediction / S. Gunnersen, K. Smith-Miles, V. Lee // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 9–16.
- [164] Guo, Y. Enhancing the Performance of Evolutionary Algorithms—A Novel Maturity-Based Adaptation Strategy / Y. Guo, W. neng Chen, J. Zhang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 570—577.
- [165] Hadka, D. Diagnostic Assessment of the Borg MOEA for Many-Objective Product Family Design Problems / D. Hadka, P. Reed, T. Simpson // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1975—1984.
- [166] Hamza, N. Differential Evolution with a mix of Constraint Consenus Methods for Solving a Real-World Optimization Problem / N. Hamza, R. Sarker, D. Essam // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.— 10-15 June. — P. 1118–1124.
- [167] Hancer, E. Artificial Bee Colony Based Image Clustering / E. Hancer, C. Ozturk, D. Karaboga // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2926—2930.
- [168] Handa, H. Use of Graph Kernels in Estimation of Distribution Algorithms / H. Handa // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3563–3568.
- [169] Hanif, A. Generation Path-Switching in Sequential Monte-Carlo Methods / A. Hanif, R. Smith // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 1045—1051.
- [170] Hardhienata, M. Task Allocation in Multi-Agent Systems using Models of Motivation and Leadership / M. Hardhienata, K. Merrick, V. Ugrinovskii // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1418–1425.

- [171] Haynes, D. An Exponential Moving Average Algorithm: Evolutionary Algorithms Applied to Sudoku Puzzles / D. Haynes, S. Corns, G. Venayagamoorthy // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 3214–3221.
- [172] He, Z. A New Fitness Evaluation Method Based on Fuzzy Logic in Multiobjective Evolutionary Algorithms / Z. He, G. Yen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 439–446.
- [173] Helbig, M. Analyses of Guide Update Approaches for Vector Evaluated Particle Swarm Optimisation on Dynamic Multi-Objective Optimisation Problems / M. Helbig, A. Engelbrecht // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 2726–2733.
- [174] Hendtlass, T. Restarting Particle Swarm Optimisation / T. Hendtlass // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.— 10-15 June. — P. 1720–1728.
- [175] Herbawi, W. A Genetic Local Search Algorithm for Multiobjective Time-dependent Route Planning / W. Herbawi, M. Weber // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 137–143.
- [176] Herbawi, W. The ridematching problem with time windows in dynamic ridesharing: A model and a genetic algorithm / W. Herbawi, M. Weber // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 3547–3554.
- [177] A Hierarchical Pareto Dominance based Multi-objective Approach for the Optimization of Gene Regulatory Network Models / X. Cai, Z. Hu, S. Das, S. Welch // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1737—1742.
- [178] Hierarchical PSO Clustering Based Recommender System / S. Alam, D. Gillian, P. Riddle, Y. S. Koh // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 879–886.
- [179] Hingston, P. Using Monte Carlo Tree Search for Replanning in a Multistage Simultaneous Game / P. Hingston, M. Masek, D. Beard // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1231–1238.
- [180] Hong, T.-P. Using the Group Genetic Algorithm for Attribute Clustering / T.-P. Hong, F.-S. Lin, C.-H. Chen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 923–927.
- [181] Hsiao, P.-C. Particle Swarm Optimization for the Minimum Energy Broadcast Problem in Wireless Ad-Hoc Networks / P.-C. Hsiao, T.-C. Chiang, L.-C. Fu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3100–3107.
- [182] Hsiao, P.-C. A VNS-based Hyper-heuristic with Adaptive Computational Budget of Local Search / P.-C. Hsiao, T.-C. Chiang, L.-C. Fu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 3316—3323.
- [183] Hsu, W.-H. A Multiobjective Evolutionary Algorithm with Enhanced Reproduction Operators for the Vehicle Routing Problem with Time Windows / W.-H. Hsu, T.-C. Chiang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2750–2757.
- [184] Huang, H. E. Autonomous Flock Brush for Non-Photorealistic Rendering / H. E. Huang, Y.-S. Ong, X. Chen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2597—2604.

- [185] Hui, S. Ensemble Differential Evolution with Dynamic Subpopulations and Adaptive Clearing for solving Dynamic Optimization Problems / S. Hui, P. N. Suganthan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.— 10-15 June. — P. 2629–2636.
- [186] *Hunt, R.* Scalability Analysis of Genetic Programming Classifiers / R. Hunt, K. Neshatian, M. Zhang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 509–516.
- [187] Hussein, M. Genetic Algorithm-Based Simulation Optimization of Stacking Algorithms for Yard Cranes to Reduce Fuel Consumption at Seaport Container Transshipment Terminals / M. Hussein, M. Petering // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1993–2000.
- [188] A Hybrid Approach to Solve the Agile Team Allocation Problem / R. Britto, P. S. Neto, R. Rabelo et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 3599–3606.
- [189] A Hybridisation of Improved Harmony Search and Bacterial Foraging for Multi-robot Motion Planning / A. Jati, G. Singh, P. Rakshit et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 431–438.
- [190] A hypoglycemic episode diagnosis system based on neural networks for Type 1 diabetes mellitus / K. Y. Chan, S. H. Ling, H. Nguyen, F. Jiang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 942— 947.
- [191] *Iclanzan*, *D.* Modeling and Replicating Higher-Order Dependencies in Genetic Algorithms / D. Iclanzan, C. Chira // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 863–870.
- [192] Image Segmentation Based On A Hybrid Immune Memetic Algorithm / M. Wenping, H. Yuanyuan, L. Congling, L. Jing // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1679–1686.
- [193] An Improved Differential Evolution for Constrained Optimization with Dynamic Constraint-Handling Mechanism / Z. Li, Z. Shang, J. J. Liang, B. Niu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 17–22.
- [194] An Improved Memetic Algorithm for Community Detection in Complex Networks / M. Gong, Q. Cai, Y. Li, J. Ma // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3347–3354.
- [195] An improved Multi-objective Optimization Algorithm based on Fuzzy Dominance for Risk Minimization in Biometric Sensor Network / M. Nasir, S. Sengupta, S. Das, P. N. Suganthan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 980–987.
- [196] Information Diffusion and Its Impacts on Artificial Stock Markets in Learning Process / W. Zhang, X. Feng, Y. Zhang, X. Xiong // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1146—1151.
- [197] Intelligent Fuzzy Particle Swarm Optimization with Cross-Mutated Operation / S. H. Ling, H. Nguyen, F. H. Leung et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1176–1183.
- [198] Interactive Genetic Algorithm Assisted with Group Decision Making-based Collective Intelligence / X. Sun, L. Yang, D. Gong, M. Li // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2673—2680.

- [199] Investigating the Use of Local Search for Improving Meta-Hyper-Heuristic Performance / J. Grobler, A. P. Engelbrecht, G. Kendall, S. Yadavalli // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 3324–3331.
- [200] Ishibuchi, H. Evolution of Strategies in a Spatial IPD Game with a Number of Different Representation Schemes / H. Ishibuchi, K. Hoshino, Y. Nojima // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1215–1222.
- [201] Ishibuchi, H. Strategy Evolution in a Spatial IPD Game where Each Agent is not Allowed to Play against Itself / H. Ishibuchi, K. Hoshino, Y. Nojima // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1191–1198.
- [202] *Izadinia, H.* Adaptive Quantum-Inspired Evolution Strategy / H. Izadinia, M. M. Ebadzadeh // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1760–1767.
- [203] Jaros, J. Multi-GPU Island-Based Genetic Algorithm for Solving the Knapsack Problem / J. Jaros // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 236–243.
- [204] Jevne, H. Evolving Constrained mean-VaR Efficient Frontiers / H. Jevne, P. Haddow, A. Gaivoronski // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 1079—1086.
- [205] Jianchao, F. Nonliear Model Predictive Control of Ball-Plate System based on Gaussian Particle Swarm Optimization / F. Jianchao, H. Min // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 3116–3121.
- [206] jiao Gong, Y. Real-Time Traffic Signal Control for Roundabouts by Using a Novel PSO-based Fuzzy Controller / Y. jiao Gong, J. Zhang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 771-778.
- [207] Jin, Q. A Naive Particle Swarm Optimization / Q. Jin, Z. Liang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 29–36.
- [208] Johnson, C. Search-based Evolutionary Operators for Extensionally-defined Search Spaces: Applications to Image Search / C. Johnson // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2279–2285.
- [209] Jordan, C. D. An Evolutionary Algorithm for Bilevel Optimisation of Men's Team Pursuit Track Cycling / C. D. Jordan, T. Kroeger // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2325–2332.
- [210] Junior, O. C. A Comparison of Methods for Leader Selection in Many-Objective Problems / O. C. Junior, A. Britto, A. Pozo // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1654–1661.
- [211] Kafafy, A. Hybrid Metaheuristics based on MOEA/D for 0/1 Multiobjective Knapsack Problems: A comparative study / A. Kafafy, A. Bounekkar, S. Bonnevay // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 3300-3307.
- [212] Karabulut, K. A Discrete Artificial Bee Colony Algorithm for the Traveling Salesman Problem with Time Windows / K. Karabulut, M. F. Tasgetiren // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3038–3044.

- [213] Kattan, A. Evolving Radial Basis Function Networks via GP for Estimating Fitness Values using Surrogate Models / A. Kattan, E. Galvan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 3161–3167.
- [214] Kelly, S. On Run Time Libraries and Hierarchical Symbiosis / S. Kelly, P. Lichodzijewski, M. I. Heywood // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3278—3285.
- [215] Khadem, S. Optimization of neural network configurations for short-term traffic flow forecasting using orthogonal design / S. Khadem, K. Y. Chan, T. Dillon // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1184–1190.
- [216] Kim, K. Implicit Bias in Grammar-based Estimation of Distribution Genetic Programming: The Effects of Recursive Structure / K. Kim, B. R. McKay, Nguyen Xuan Hoai // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2373–2380.
- [217] Knittel, A. Learning Feature Hierarchies under Reinforcement / A. Knittel // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2420–2427.
- [218] Koloseni, D. Differential Evolution Classifier with Optimized Distance Measures from a Pool of Distances / D. Koloseni, J. Lampinen, P. Luukka // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2806–2812.
- [219] Korosec, P. The Continuous Differential Ant-Stigmergy Algorithm Applied to Dynamic Optimization Problems / P. Korosec, J. Silc // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 447–454.
- [220] Kovarik, O. Max-Min Ant System with Linear Memory Complexity / O. Kovarik, P. Kordik // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.-10-15 June. P. 322-326.
- [221] Kudo, F. Knowledge Extraction in Multi-objective Optimization Problem based on Visualization of Pareto Solutions / F. Kudo, T. Yoshikawa // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1871–1876.
- [222] Kumar, P. Enhanced Mutation Strategy for Differential Evolution / P. Kumar, M. Pant // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2884–2889.
- [223] Lacroix, B. Region based memetic algorithm with LS chaining / B. Lacroix, D. Molina, F. Herrera // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 386–391.
- [224] Lakshika, E. Fidelity and Complexity of Standing Group Conversation Simulations: A Framework for the Evolution of Multi Agent Systems through Bootstrapping Human Aesthetic Judgments / E. Lakshika, M. Barlow, A. Easton // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2033–2040.
- [225] Lam, A. Y. Chemical Reaction Optimization for the Fuzzy Rule Learning Problem / A. Y. Lam, V. O. Li, Z. Wei // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 3084–3091.
- [226] Landscape Analysis for Hyperheuristic Bayesian Network Structure Learning on Unseen Problems / Y. Wu, J. McCall, D. Corne, O. Regnier-Coudert // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3198–3205.

- [227] LaTorre, A. Multiple Offspring Sampling in Large Scale Global Optimization / A. LaTorre, S. Muelas, J.-M. Pena // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 964—971.
- [228] Lattarulo, V. A Preliminary Study of a new Multi-objective Optimization Algorithm / V. Lattarulo, G. T. Parks // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1793—1800.
- [229] Lee, L.-K. Robust Fingertip Extraction with Improved Skin Color Segmentation for Finger Gesture Recognition in Human-Robot Interaction / L.-K. Lee, S.-Y. An, S.-Y. Oh // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 45-51.
- [230] Lee, M.-C. Interactive Differential Evolution for Image Enhancement Application in Smart Phone / M.-C. Lee, S.-B. Cho // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 887–892.
- [231] Legillon, F. CoBRA: A Cooperative Coevolutionary Algorithm for Bi-level Optimization / F. Legillon, A. Liefooghe, E.-G. Talbi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 735—742.
- [232] Lehmann, H. Evolvability as Concept for the Optimal Design of Free-Form Deformation Control Volumes / H. Lehmann, S. Menzel // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 517–524.
- [233] Leitao, A. Enhancing Cluster Geometry Optimization with Island Models / A. Leitao, F. B. Pereira, P. Machado // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2218—2225.
- [234] Lemonge, A. A Family of Adaptive Penalty Schemes for Steady-state Genetic Algorithms / A. Lemonge, H. Barbosa, H. Bernardino // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 1554—1561.
- [235] Leung, S. W. Multiobjective Differential Evolution Algorithm with Opposition-Based Parameter Control / S. W. Leung, X. Zhang, S. Y. Yuen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 849— 856.
- [236] Leveraging Process Discovery with Trace Clustering and Text Mining for Intelligent Analysis of Incident Management Processes / J. De Weerdt, S. vanden Broucke, J. Vanthienen, B. Baesens // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1921–1928.
- [237] Li, C. Maintaining Diversity by Clustering in Dynamic Environments / C. Li, S. Yang, M. Yang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2734—2741.
- [238] Li, Y. Phase Transition and New Fitness Function Based Genetic Inductive Loige Programming Algorithm / Y. Li, M. Guo // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 956–963.
- [239] Liang, Y.-C. Multilevel Image Thresholding Using Relative Entropy and Virus Optimization Algorithm / Y.-C. Liang, J. R. C. Juarez // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3238–3245.
- [240] Liao, C.-C. Extending the Lifetime of Dynamic Wireless Sensor Networks by Genetic Algorithm / C.-C. Liao, C.-K. Ting // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 1016–1023.
- [241] Liao, X.-L. Evolutionary Algorithms Using Adaptive Mutation for the Selective Pickup and Delivery Problem / X.-L. Liao, C.-K. Ting // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2758—2765.

- [242] Lima, M. Multiobjective Planning of Wireless Local Area Networks (WLAN) Using Genetic Algorithms / M. Lima, E. Carrano, R. Takahashi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 3526—3533.
- [243] Lin, J.-Y. When and What Kind of Memetic Algorithms Perform Well / J.-Y. Lin, Y. ping Chen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 2821–2828.
- [244] Linear Phase Low Pass FIR Filter Design Using Genetic Particle Swarm Optimization with Dynamically Varying Neighborhood Technique / A. Ghosh, A. Ghosh, A. Chowdhury et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1570–1576.
- [245] Liu, C.-H. Polyphonic Accompaniment Using Genetic Algorithm with Music Theory / C.-H. Liu, C.-K. Ting // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2644—2650.
- [246] Liu, H.-L. A Novel Multi-objective Differential Evolutionary Algorithm Based Sub-region Search / H.-L. Liu, W.-Q. Chen, F. Gu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 244–249.
- [247] Liu, J. Continuous Game Dynamics on Populations with a Cycle Structure under Weak Selection / J. Liu, W. Zhong // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 819–824.
- [248] Liu, J.-L. Development of Evolutionary Data Mining Algorithms and their Applications to Cardiac Disease Diagnosis / J.-L. Liu, Y.-T. Hsu, C.-L. Hung // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 690-697.
- [249] Liu, R. An Improved Method for Multi-objective Clustering Ensemble Algorithm / R. Liu, Y. Liu, Y. Liu, Y. Li // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3355–3362.
- [250] Liu, Y. Simplified Swarm Optimization with Sorted Local Search for Golf Data Classification / Y. Liu, Y. Y. Chung, W. C. Yeh // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 795–802.
- [251] Local Cooperation Delivers Global Optimization / Z. Wu, L. Xu, T. W. S. Chow, M. Zhao // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2271—2278.
- [252] Lopez, O. J. R. Evolving the way of doing the right thing / O. J. R. Lopez, A. de Antonio // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2573—2580.
- [253] Lu, Q. A Finite-time Particle Swarm Optimization Algorithm / Q. Lu, Q.-L. Han // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 841–848.
- [254] Ludwig, S. Clonal Selection based Genetic Algorithm for Workflow Service Selection / S. Ludwig // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1960–1966.
- [255] Ludwig, S. Step-Optimized Particle Swarm Optimization / S. Ludwig // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1703–1711.
- [256] Maali, Y. A Novel Partially Connected Cooperative Parallel PSO-SVM Algorithm: Study Based on Sleep Apnea Detection / Y. Maali, A. Al-Jumaily // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 198–205.

- [257] Mahlmann, T. Evolving Card Sets Towards Balancing Dominion / T. Mahlmann, J. Togelius, G. N. Yannakakis // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 1223—1230.
- [258] Maia, R. Bee Colonies as Model for Multimodal Continuous Optimization: The OptBees Algorithm / R. Maia, L. De Castro, W. Caminhas // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 3363–3370.
- [259] Mallipeddi, R. Ensemble Based Face Recognition using Discriminant PCA Features / R. Mallipeddi, M. Lee // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 327–333.
- [260] Mallipeddi, R. Surrogate Model Assisted Ensemble Differential Evolution Algorithm / R. Mallipeddi, M. Lee // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2073–2080.
- [261] MartInez, S. Z. A Direct Local Search Mechanism for Decomposition-based Multi-Objective Evolutionary Algorithms / S. Z. MartInez, C. A. Coello Coello // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3480–3487.
- [262] Matayoshi, M. Landscape Information Extraction from Chromosome based on a Quality Control Approach / M. Matayoshi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1944—1951.
- [263] Mavrovouniotis, M. Ant colony optimization with memory-based immigrants for the dynamic vehicle routing problem / M. Mavrovouniotis, S. Yang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 2766—2773.
- [264] McCarthy, P. Path-sharing: A new betweenness measure for community identification in networks / P. McCarthy // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 79–84.
- [265] Memetic Artificial Bee Colony Algorithm for Large-Scale Global Optimization / I. Fister, I. Fister, Jr., J. Brest, V. Zumer // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3015–3022.
- [266] Memetic Clustering Based on Particle Swarm Optimizer and K-Means / Z. Zhu, W. Liu, Z. Ji,
  S. He // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 2905–2910.
- [267] A Memory Binary Particle Swarm Optimization / Z. Ji, T. Tian, Z. Zhu, S. He // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1831–1835.
- [268] Menchaca-Mendez, A. Solving Multi-Objective Optimization Problems using Differential Evolution and a Maximin Selection Criterion / A. Menchaca-Mendez, C. A. Coello Coello // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3145–3152.
- [269] Meng, Y. A Gene Regulatory Network based Framework for Self-Organization in Mobile Sensor Networks / Y. Meng, G. Hongliang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 533-539.
- [270] Metaheuristics for feature selection: application to sepsis outcome prediction / S. Vieira, L. Mendonca, G. Farinha, J. Sousa // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 934–941.

- [271] Method for increasing the computation speed of an unsupervised learning approach for data clustering / M. Yuwono, S. W. Su, B. Moulton, H. Nguyen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3007–3014.
- [272] Mezura-Montes, E. Adaptation and Local Search in the Modified Bacterial Foraging Algorithm for Constrained Optimization / E. Mezura-Montes, E. A. Lopez-Davila // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1546—1553.
- [273] Mishra, K. Variable Screening for Reduced Dependency Modelling in Gaussian-based Continuous Estimation of Distribution Algorithms / K. Mishra, M. Gallagher // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2105–2112.
- [274] *Mitavskiy, B.* A Polynomial Time Approximation Scheme for a Single Machine Scheduling Problem Using a Hybrid Evolutionary Algorithm / B. Mitavskiy, J. He // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1513–1520.
- [275] A Modified Brain Storm Optimization / Z. hui Zhan, J. Zhang, Y. hui Shi, L. Hai-lin // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2544—2551.
- [276] A Modified NSGA-II for the Multiobjective Multi-mode Resource-Constrained Project Scheduling Problem / S. Vanucci, R. Bicalho, E. Carrano, R. Takahashi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 728–734.
- [277] Mohammadi, A. Reference Point Based Multi-objective Optimization Through Decomposition / A. Mohammadi, M. N. Omidvar, X. Li // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2131–2138.
- [278] A Mono-Objective Evolutionary Algorithm with GROMACS for Protein Structure Prediction in Structural and Energetic Contexts / R. Faccioli, I. Nunes da Silva, L. Bortot, A. Delbem // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 900–906.
- [279] Montgomery, J. A Simple Strategy for Maintaining Diversity and Reducing Crowding in Differential Evolution / J. Montgomery, S. Chen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2790—2797.
- [280] Moser, I. Combining Search Space Diagnostics and Optimisation / I. Moser, M. Gheorghita // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1900–1907.
- [281] Multi Co-objective Evolutionary Optimization: Cross Surrogate Augmentation for Computationally Expensive Problems / M. N. Le, Y. S. Ong, S. Menzel et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2911–2918.
- [282] Multi-Objective Design Optimization of Morphing UAV Aerofoil/Wing Using Hybridised MO-GA / D. Lee, L. F. Gonzalez, P. Jacques, G. Bugeda // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1743—1750.
- [283] Multi-Objective Differential Evolution with Taguchi-based Adjustable Proportional Distribution / C.-L. Huo, S.-Y. Lin, T.-Y. Lai et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2194—2201.

- [284] A Multi-Objective Evolutionary Approach for Linear Antenna Array Design and Synthesis A Multi-Objective Evolutionary Approach for Linear Antenna Array Design and Synthesis A Multi-Objective Evolutionary Approach for Linear Antenna Array Design and Synthesi / S. Roy, S. Z. MartInez, C. A. Coello Coello, S. Sengupta // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3472–3479.
- [285] A Multi-objective Evolutionary Method for Dynamic Airspace Re-sectorization using Sectors Clipping and Similarities / J. Tang, S. Alam, C. Lokan, H. Abbass // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.— 10-15 June. — P. 3607–3614.
- [286] Multi-objective Invasive Weed Optimization Algorithm for Clustering / R. Liu, X. Wang, Y. Li, Z. Xiangrong // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 2202—2209.
- [287] A Multi-objective Particle Swarm Optimization Algorithm with a Dynamic Hypercube Archive, Mutation and Population Competition / G. Zhang, M. Mahfouf, G. Panoutsos, S. Wang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1885–1891.
- [288] Multi-Path Planning Based on a NSGA-II for a Fleet of Robots to Work on Agricultural Tasks / J. Conesa-Munoz, A. Ribeiro, D. Andujar et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 648–655.
- [289] A Multiobjective Evolutionary Algorithm for the 2D Guillotine Strip Packing Problem / D. G. Coelho, E. F. Wanner, S. R. Souza et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2009–2016.
- [290] Munoz, M. A. Landscape Characterization of Numerical Optimization Problems Using Biased Scattered Data / M. A. Munoz, M. Kirley, S. Halgamuge // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2162–2169.
- [291] Murakami, K. A Genetic Algorithm for Probe Testing Problem on High-density PCB / K. Murakami // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 3456–3463.
- [292] Mussetta, M. Comparison of different optimization techniques for the design of electromagnetic devices / M. Mussetta, F. Grimaccia, R. E. Zich // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 705-710.
- [293] Nag, K. A new Archive based Steady State Genetic Algorithm / K. Nag, T. Pal // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1864—1870.
- [294] Nascimento, A. An Experimental Investigation of Artificial Immune System Algorithms for Credit Risk Assessment Applications / A. Nascimento, G. Vasconcelos // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1785–1792.
- [295] Neumann, G. Targeted EDA Adapted for a Routing Problem with Variable Length Chromosomes / G. Neumann, D. Cairns // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 334–341.
- [296] A New Artificial Fish Swarm Algorithm for Dynamic Optimization Problems / D. Yazdani, M. R. Akbarzadeh-Totonchi, B. Nasiri, M. R. Meybodi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1538–1545.

- [297] Ngoko, Y. Malleable resource sharing algorithms for cooperative resolution of problems / Y. Ngoko, A. Goldman, D. Trystram // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 407–414.
- [298] Nguyen, H. Variable selection in statistical models using population-based incremental learning with applications to genome-wide association studies / H. Nguyen, I. Wood // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2466—2473.
- [299] Nguyen, M. V. Community Evolution in A Scientific Collaboration Network / M. V. Nguyen, M. Kirley, R. Garcia-Flores // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 3222—3229.
- [300] Nicolau, M. Termination in Grammatical Evolution: Grammar Design, Wrapping, and Tails / M. Nicolau, M. O'Neill, A. Brabazon // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2381–2388.
- [301] Nikumbh, S. Biogeography-Based Informative Gene Selection and Cancer Classification Using SVM and Random Forests / S. Nikumbh, S. Ghosh, V. Jayaraman // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 131–136.
- [302] Nitschke, G. Behavioral Heterogeneity, Cooperation, and Collective Construction / G. Nitschke // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 117–124.
- [303] Non-Observability Analysis by Means of an Evolutionary Technique in Measured Electric Power Systems / S. Vazquez-Rodriguez, J. A. Gomollon, G. Varela, A. Paz-Lopez // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 988–994.
- [304] A Novel Auto-Parameters Selection Process For Image Segmentation / Y. Jiang, P. Tsai, Z. Hao,
  L. Cao // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 2666–2672.
- [305] Novel Efficient Asynchronous Cooperative Co-evolutionary Multi-Objective Algorithms / S. S. Nielsen, B. Dorronsoro, G. Danoy, P. Bouvry // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1372–1378.
- [306] A Novel Memetic Algorithm based on the Comprehensive Learning PSO / J. Ni, L. Li, F. Qiao,
  Q. Wu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 915–922.
- [307] Object Identification Using DNA Computing Algorithm / M. O. Rahman, A. Hussain, E. Scavino et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 315–321.
- [308] Oliveira, L. O. Clonal Selection Classifier with Data Reduction: Classification as an Optimization Task / L. O. Oliveira, R. L. Mota, D. A. Barone // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 85—91.
- [309] Optimal Sizing of Distributed Energy Resources for Integrated Microgrids using Evolutionary Strategy / T. Logenthiran, S. Dipti, M. K. Ashwin, T. S. Raj // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 144–151.
- [310] Optimising real parameters using the information of a mesh of solutions: VMO algorithm / A. Puris, R. Bello, D. Molina, F. Herrera // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 2659—2665.

- [311] Optimization of a Radio Frequency Energy Harvesting Device / M. Mussetta, H. Shadmehr, F. Grimaccia et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 52–56.
- [312] Optimization of Multiple Sequence Alignment Methodologies using a Multiobjective Evolutionary Algorithm based on NSGA-II / F. Ortuno, J. P. Florido, J. M. Urquiza et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 92–99.
- [313] Optimizing Energy Output and Layout Costs for Large Wind Farms using Particle Swarm Optimization / K. Veeramachaneni, M. Wagner, U.-M. O'Reilly, F. Neumann // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3540–3546.
- [314] Orito, Y. Equality Constrained Long-Short Portfolio Replication by Using Probabilistic Model-building GA / Y. Orito, H. Yamamoto, Y. Tsujimura // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1562—1569.
- [315] Ou, C.-M. Immune Memory with Associativity: Perspectives on Dynamical Systems / C.-M. Ou,
  C. Ou // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 928–933.
- [316] Pace, S. A Consolidated Model of Particle Swarm Optimisation Variants / S. Pace, A. Cain, C. Woodward // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3270–3277.
- [317] Pai, G. A. V. Differential Evolution based optimization of Risk budgeted Equity Market Neutral Portfolios / G. A. V. Pai, T. Michel // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1057–1064.
- [318] Palafox, L. On the use of Population Based Incremental Learning to do Reverse Engineering on Gene Regulatory Networks / L. Palafox, I. Hitoshi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1317–1324.
- [319] Parallel Exhaustive Search vs. Evolutionary Computation in a Large Real World Network Search Space / G. Wilson, S. Harding, O. Hoeber et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1239—1246.
- [320] Parallelization of the Multi-Objective Container Loading Problem / J. de Armas, Y. Gonzalez, G. Miranda, C. Leon // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 37–44.
- [321] Pareto Rank Learning in Multi-objective Evolutionary Algorithms / C.-W. Seah, Y.-S. Ong, I. W. Tsang, S. Jiang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2613—2620.
- [322] Park, I.-W. Multi-objective Evolutionary Algorithm-based Optimal Posture Control of Humanoid Robots / I.-W. Park, K.-B. Lee, J.-H. Kim // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 175—181.
- [323] Paul, S. Novel Hybrid Compact Genetic Algorithm for Simultaneous Structure and Parameter Learning of Neural Networks / S. Paul, S. Kumar, L. Singh // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2567–2572.
- [324] Pehlivanoglu, Y. V. Improved Particle Swarm Optimization: Catching the Big Wave on the Surf / Y. V. Pehlivanoglu, O. Baysal // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 833–840.

- [325] Pei, Y. Fourier Analysis of the Fitness Landscape for Evolutionary Search Acceleration / Y. Pei, H. Takagi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 2968–2974.
- [326] Perez, D. The Physical Travelling Salesman Problem: WCCI 2012 Competition / D. Perez, P. Rohlfshagen, S. Lucas // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1199–1206.
- [327] Permutation-Based Biometric Authentication Protocols for Mitigating Replay Attacks / J. Shelton, G. Dozier, J. Adams, A. Alford // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3630–3634.
- [328] *Picek, S.* Influence of the Crossover Operator in the Performance of the Hybrid Taguchi GA / S. Picek, M. Golub, D. Jakobovic // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 423–430.
- [329] Pilat, M. An Evolutionary Strategy for Surrogate-Based Multiobjective Optimization / M. Pilat, R. Neruda // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 1857–1863.
- [330] *Pisani*, *P. H.* Evolutionary Neural Networks Applied to Keystroke Dynamics: Genetic and Immune Based / P. H. Pisani, A. C. Lorena // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2999–3006.
- [331] Positive Point Charge Potential Field based ACO algorithm for Multi-objective Evacuation Routing Optimization Problem / J. Kou, S. Xiong, Z. Fang et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3064–3071.
- [332] Predict the Hydration of Portland Cement using Differential Evolution / L. Wang, B. Yang, Y. Chen, X. Zhao // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3443—3447.
- [333] Probabilistic Constraint Handling in the Framework of Joint Evolutionary-Classical Optimization with Engineering Applications / R. Datta, M. S. Bittermann, K. Deb, O. Ciftcioglu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 757–764.
- [334] Probabilistic Model Building GP with Belief Propagation / H. Sato, Y. Hasegawa, D. Bollegala,
  H. Iba // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 2089–2096.
- [335] Protein Structure Prediction based on Optimal Hydrophobic Core Formation / R. Nazmul, M. Chetty, R. Samudrala, D. Chalmers // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1263—1271.
- [336] PSO-based Multiple Optima Search Systems with Switched Topology / R. Sano, T. Shindo, K. Jin'no, T. Saito // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 3340—3346.
- [337] *Qiu, J.-W.* A Geometrically Faithful Memetic Algorithm for Searching Sparse Representations of EEG Signals / J.-W. Qiu, J. K. Zao, Y.-H. Chou // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 379–385.
- [338] Quantum secret sharing without exclusive OR of qubits' measuring results / X. Juan, C. Han-wu, L. Zhihao et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1675–1678.
- [339] Rabelo, R. Operational Planning of Hydrothermal Systems Based on a Fuzzy-PSO Approach / R. Rabelo, R. Fernandes, I. Silva // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2581–2588.

- [340] Rabelo, R. Power System Harmonics Estimation using Particle Swarm Optimization / R. Rabelo, M. Lemos, D. Barbosa // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3534–3539.
- [341] Rada-Vilela, J. A Performance Study on the Effects of Noise and Evaporation in Particle Swarm Optimization / J. Rada-Vilela, M. Zhang, W. Seah // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1892—1899.
- [342] A Radio Frequency Identification Network Design Methodology for the Decision Problem in Mackay Memorial Hospital Based on Swarm Optimization / W.-C. Yeh, Y.-M. Yeh, C.-H. Chou et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 698–704.
- [343] Raffe, W. A Survey of Procedural Terrain Generation Techniques using Evolutionary Algorithms / W. Raffe, F. Zambetta, X. Li // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 803–810.
- [344] Rahman, M. M. An Algorithm to Find Quantum Templates / M. M. Rahman, G. Dueck // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1668–1674.
- [345] Rajasekhar, A. Design of Fractional Order Controller for a Servohydraulic Positioning System with Micro Artificial Bee Colony Algorithm / A. Rajasekhar, S. Das, P. N. Suganthan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 972–979.
- [346] Ramos, J. E. A New Objective Function to build Seismic Networks using Differential Evolution / J. E. Ramos, R. A. Vazquez // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2898–2904.
- [347] Refining Genetic Algorithm Twin Removal for High-Resolution Protein Structure Prediction / T. Higgs, B. Stantic, T. Hoque, A. Sattar // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 182–189.
- [348] Regnier-Coudert, O. An Island Model Genetic Algorithm for Bayesian Network Structure Learning / O. Regnier-Coudert, J. McCall // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3419–3426.
- [349] A Relationship between Network Topology and Search Performance of PSO / T. Takahiro, S. Takuya, K. Takayuki, J. Kenya // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 358–363.
- [350] Resolving Mixed Pixel Using Hybridization Of Ant Colony Optimization And Biogeography Based Optimization / S. Sinha, A. Bhola, V. Panchal et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 222–227.
- [351] Reynolds, R. Evolving Heterogeneous Social Fabrics for the Solution of Real-Valued Optimization Problems using Cultural Algorithms / R. Reynolds, Y. Gawasmeh // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3395–3402.
- [352] Riano, L. A Robot that Autonomously Improves Skills by Evolving Computational Graphs / L. Riano, T. McGinnity // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2049—2056.
- [353] Richter, J. A Distributed Multiobjective Approach to Negotiations in Semi-Competitive Environments / J. Richter, I. Moser // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3122–3128.

- [354] Rohler, A. B. Multi-swarm hybrid for multi-modal optimization / A. B. Rohler, S. Chen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2397—2404.
- [355] Rotaru, C. Multi-grid Cellular Genetic Algorithm for Optimizing Variable Ordering of ROB-DDs / C. Rotaru, O. Brudaru // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2529—2536.
- [356] Rule Accumulation Method Based on Credit Genetic Network Programming / L. Wang, W. Xu, S. Mabu, K. Hirasawa // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3651–3658.
- [357] Ruuska, S. Constructing Evolutionary Algorithms for Bilevel Multiobjective Optimization / S. Ruuska, K. Miettinen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 250–256.
- [358] Ryu, S.-J. Improved Version of a Multiobjective Quantum-inspired Evolutionary Algorithm with Preference-based Selection / S.-J. Ryu, K.-B. Lee, J.-H. Kim // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2318–2324.
- [359] Saha, A. Equality Constrained Multi-Objective Optimization / A. Saha, T. Ray // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1395—1401.
- [360] Saha, A. A Repair Mechanism for Active Inequality Constraint Handling / A. Saha, T. Ray // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 546–553.
- [361] Sandran, T. Performance Profile of Some Hybrid Heuristic Search Techniques using Compiler Flag Selection as a Seed Example / T. Sandran, N. Zakaria, A. J. Pal // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.— 10-15 June. — P. 2474–2478.
- [362] Santana, R. An analysis of the use of probabilistic modelling for synaptic connectivity prediction from genomic data / R. Santana, A. Mendiburu, J. A. Lozano // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3495–3502.
- [363] Santana, R. Structural transfer using EDAs: An application to multi-marker tagging SNP selection / R. Santana, A. Mendiburu, J. A. Lozano // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 3206–3213.
- [364] Santos, T. A CMA Stochastic Differential Equation Approach for Many-Objective Optimization / T. Santos, R. H. C. Takahashi, G. J. P. Moreira // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 3294–3299.
- [365] Saraiva, R. A novel application of crossover operator to a hybrid optimization framework: investigation into cutting problems / R. Saraiva, P. Pinheiro // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 633–639.
- [366] Sato, A.-H. Japanese International Air Travel: The Relationship between Flight Ticket Price and Geodesic Distance / A.-H. Sato // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1065–1070.
- [367] Sawai, H. Reorganizing A New Generation Airline Network Based on An Ant-Colony Optimization-Inspired Small-World Network / H. Sawai // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 287–294.

- [368] Sayed, E. Dependency Identification Technique for Large Scale Optimization Problems / E. Sayed, D. Esam, R. Sarker // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1442–1449.
- [369] Scaling in distributed evolutionary algorithms with persistent population / J.-J. Merelo Guervos, A. M. Mora, J. A. Cruz Almaguer et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 625—632.
- [370] SCant-Design: Closed Loop Supply Chain Design using Ant Colony Optimization / V. M. Esteves, J. M. Sousa, C. A. Silva et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3056–3063.
- [371] Segredo, E. Analysing the Robustness of Multiobjectivisation Parameters with Large Scale Optimisation Problems / E. Segredo, C. Segura, C. Leon // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1729—1736.
- [372] Sekanina, L. Two-Step Evolution of Polymorphic Circuits for Image Multi-Filtering / L. Sekanina, V. Salajka, Z. Vasicek // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1481—1488.
- [373] Self-Adaptive Differential Evolution Algorithm with a Small and Varying Population Size / J. Brest, B. Boskovic, A. Zamuda et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2868–2875.
- [374] Self-adaptive Lower Confidence Bound: A New General and Effective Prescreening Method for Gaussian Process Surrogate Model Assisted Evolutionary Algorithms / B. Liu, Q. Zhang, F. V. Fernandez, G. Gielen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2479–2484.
- [375] A Self-Organizing and Self-Adaptive French Flag Organism Based on Lateral Activation Model / J. Xu, Q. Lv, J. Zhou, Y. Dou // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 493–500.
- [376] Selvan, K. V. Ensembles of DNA Letters for the Design of Unique DNA Library Using a Modified Version of Multi-criteria VEDEPSO Optimizer / K. V. Selvan, M. S. Muhammad, S. M. W. Masra // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 364-371.
- [377] Semenkin, E. Self-configuring genetic programming algorithm with modified uniform crossover / E. Semenkin, M. Semenkina // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2501–2506.
- [378] Sergeevich, A. Optimizing qubit Hamiltonian parameter estimation algorithm using PSO / A. Sergeevich, S. Bartlett // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3092–3094.
- [379] Setayesh, M. Effects of Static and Dynamic Topologies in Particle Swarm Optimisation for Edge Detection in Noisy Images / M. Setayesh, Z. Mengjie, J. Mark // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1341–1348.
- [380] Shao, Z. A Review of Inverse Reinforcement Learning Theory and Recent Advances / Z. Shao,
  M. J. Er // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 585–592.
- [381] Sharma, T. K. Artificial Bee Colony with Mean Mutation Operator for Better Exploitation / T. K. Sharma, M. Pant, J. C. Bansal // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 3045–3051.

- [382] Sharma, T. K. Some Modifications to Enhance the Performance of Artificial Bee Colony / T. K. Sharma, M. Pant, J. C. Bansal // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 3577–3584.
- [383] Shelokar, P. Automatic Extraction of Common Research Areas in World Scientograms using the Multiobjective Subdue Algorithm / P. Shelokar, A. Quirin, O. Cordon // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3230—3237.
- [384] Shen, T.-W. Hormone Concentration Inception: Development an Artificial Immune System with Immunomodulator (AISI) Intervention / T.-W. Shen, T.-F. Laio, S.-T. Chen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 656—661.
- [385] Shi, Q. Analysis of Motion Detectors Evolved by Genetic Programming / Q. Shi, W. Yin, A. Song // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 501–508.
- [386] Shim, V. A. A Hybrid Adaptive Evolutionary Algorithm in the Domination-based and Decomposition-based Frameworks of Multi-objective Optimization / V. A. Shim, K. C. Tan, K. K. Tan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 2113—2120.
- [387] Shim, V. A. A Hybrid Estimation of Distribution Algorithm for Solving the Multi-objective Multiple Traveling Salesman Problem / V. A. Shim, K. C. Tan, K. K. Tan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1809—1816.
- [388] Short Adjacent Repeat Identification Based on Chemical Reaction Optimization / J. Xu, A. Y. Lam, V. O. Li et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 601–608.
- [389] Si, C. Mapping Constrained Optimization Problems to Algorithms and Constraint Handling Techniques / C. Si, L. Wang, Q. Wu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3379—3386.
- [390] Siegmund, F. Finding a preferred diverse set of Pareto-optimal solutions for a limited number of function calls / F. Siegmund, A. H. Ng, K. Deb // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 711-718.
- [391] Silveira, L. Quantum-Inspired Genetic Algorithms applied to Ordering Combinatorial Optimization Problems / L. Silveira, R. Tanscheit, M. Vellasco // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 295–301.
- [392] Sinha, A. Unconstrained Scalable Test Problems for Single-Objective Bilevel Optimization / A. Sinha, P. Malo, K. Deb // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2333–2340.
- [393] Sinha, A. Solving High Objective Problems in Fixed Interactions with the Decision Maker / A. Sinha, A. Pandey, K. Deb // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2294–2301.
- [394] Siriwardana, J. Fast Shortest Path Optimization Inspired by Shuttle Streaming of Physarum Polycephalum / J. Siriwardana, S. Halgamuge // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3246—3253.
- [395] smartPATH: A Hybrid ACO-GA Algorithm for Robot Path Planning / I. Chaari, A. Koubaa, H. Bennaceur et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 206—213.

- [396] Smith-Miles, K. Measuring Algorithm Footprints in Instance Space / K. Smith-Miles, T. Tan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3569—3576.
- [397] Soam, V. Multi-Objective Portfolio Optimization and Rebalancing Using Genetic Algorithms with Local Search / V. Soam, L. Palafox, H. Iba // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 1087–1093.
- [398] A Spectral Clustering-Based Adaptive Hybrid Multi-Objective Harmony Search Algorithm for Community Detection / Y. Li, J. Chen, R. Liu, J. Wu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 3308–3315.
- [399] Srivastava, S. An Intelligent System to Address Occupational Health of Workers Exposed to High Risk Jobs / S. Srivastava, Y. Anand // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2552–2558.
- [400] Strategy Adaptative Memetic Crowding Differential Evolution For Multimodal Optimization / J. J. Liang, S. T. Ma, B. Y. Qu, B. Niu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2919–2925.
- [401] Stringer, J. Radar Phase-Coded Waveform Design using Multi-Objective Evolutionary Algorithms / J. Stringer, G. Lamont, G. Akers // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2310—2317.
- [402] Study on the Compression-Expansion Coefficient in Drift Particle Swarm Optimization / W. Fang, J. Sun, X. Wu et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 857–862.
- [403] Survival Analysis of Gene Expression Data Using PSO Based Radial Basis Function Networks / W. Liu, Z. Ji, Z. Zhu, S. He // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3095–3099.
- [404] Szabo, C. Evolving Multi-objective Strategies for Task Allocation of Scientific Workflows on Public Clouds / C. Szabo, T. Kroeger // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2302–2309.
- [405] Takahama, T. Differential Evolution with Dynamic Strategy and Parameter Selection by Detecting Landscape Modality / T. Takahama, S. Sakai // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 593—600.
- [406] Takahama, T. Efficient Constrained Optimization by the Epsilon Constrained Rank-Based Differential Evolution / T. Takahama, S. Sakai // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1387—1394.
- [407] Takahama, T. Large Scale Optimization by Differential Evolution with Landscape Modality Detection and a Diversity Archive / T. Takahama, S. Sakai // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 2876–2883.
- [408] Takano, M. Automatic Composition System using Genetic Algorithm and N-gram Model considering Melody Blocks / M. Takano, Y. Osana // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 525–532.
- [409] Takenouchi, H. Performance Evaluation of Interactive Evolutionary Computation with Tournament-Style Evaluation / H. Takenouchi, M. Tokumaru, N. Muranaka // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1–8.

- [410] Tan, S. C. Simplifying and Improving Swarm-based Clustering / S. C. Tan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3190–3197.
- [411] Tanaka, M. Restoration of Motion-Blurred Line Drawings by Differential Evolution and Richardson-Lucy Algorithm / M. Tanaka, T. Takahama // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1489–1496.
- [412] Tang, M. Evolutionary Placement of Continuously Operating Reference Stations of Network Real-Time Kinematic / M. Tang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 415–422.
- [413] Tasgetiren, M. F. A Discrete Harmony Search Algorithm for the Economic Lot Scheduling Problem with Power of Two Policy / M. F. Tasgetiren, O. Bulut, M. M. Fadiloglu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2521–2528.
- [414] A Technique for the optimization of the parameters of Technical Indicators with Multi-Objective Evolutionary Algorithms / D. Bodas-Sagi, F. J. Soltero, J. I. Hidalgo et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2493—2500.
- [415] Ter-Sarkisov, A. Elitism Levels Traverse Mechanism For The Derivation of Upper Bounds on Unimodal Functions / A. Ter-Sarkisov // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 617–624.
- [416] Test Data Reduction Based on Dominance Relations of Target Statements / X. Yao, D. Gong, Y. Luo, M. Li // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 743-750.
- [417] Thompson, J. A. GAMID: Using Genetic Algorithms for the Inference of DNA Motifs That Are Represented in Only a Subset of Sequences of Interest / J. A. Thompson, C. B. Congdon // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1301–1308.
- [418] Toda, Y. Information Visualization based on 3D Modeling for Human-friendly Teleoperation / Y. Toda, T. Narita, N. Kubota // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3623–3629.
- [419] Towards Automatic Discovery and Reuse of Subroutines in Variable Size Genetic Network Programming / B. Li, X. Li, S. Mabu, K. Hirasawa // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 485–492.
- [420] Tracking Particle Swarm Optimizers: An adaptive approach through multinomial distribution tracking with exponential forgetting / M. Epitropakis, D. Tasoulis, N. Pavlidis et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1712—1719.
- [421] Trivedi, A. Multi-objectivization of Short-Term Unit Commitment under Uncertainty using Evolutionary Algorithm / A. Trivedi, D. Sharma, D. Srinivasan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 271–278.
- [422] Tsai, P.-C. Sparse Degrees Analysis for LT Codes Optimization / P.-C. Tsai, C.-M. Chen, Y. ping Chen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012. — 10-15 June. — P. 1010–1015.
- [423] Tsutsui, S. Implementation of Histogram Based Sampling Algorithm within an EDA Scheme with CUDA / S. Tsutsui, N. Fujimoto // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1247–1254.

- [424] Tusar, T. Evolutionary Scheduling of Flexible Offers for Electricity Supply and Demand / T. Tusar, E. Dovgan, B. Filipic // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1160–1167.
- [425] Two Phased Cellular PSO: A New Collaborative Cellular Algorithm for Optimization in Dynamic Environments / A. Sharifi, V. Noroozi, M. Bashiri et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 350-357.
- [426] *Uchitane*, *T.* Experimental Study for Multi-Objective PSO with Single Objective Guide Selection / T. Uchitane, T. Hatanaka // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 684–689.
- [427] Ulker, O. Evolutionary Local Search for Solving the Office Space Allocation Problem / O. Ulker, D. Landa-Silva // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 3615–3622.
- [428] Unemi, T. SBArt4 for an Automatic Evolutionary Art / T. Unemi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.— 10-15 June. P. 2605–2612.
- [429] Using a Genetic Algorithm as a Decision Support Tool for the Deployment of Fiber Optic Networks / M. Kampouridis, T. Glover, A. R. Shaghaghi, E. Tsang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3585-3592.
- [430] Using Module-level Evolvable hardware Approach in Design of Sequential Logic Circuits / Y. Tao, J. Cao, Y. Zhang et al. // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2234–2241.
- [431] Vahdat, A. Symbiotic Evolutionary Subspace Clustering / A. Vahdat, M. I. Heywood, A. N. Zincir-Heywood // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2845—2852.
- [432] Valsecchi, A. An Image Registration Approach using Genetic Algorithms / A. Valsecchi, S. Damas, J. Santamaria // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1450—1457.
- [433] Vasicek, Z. On Area Minimization of Complex Combinational Circuits Using Cartesian Genetic Programming / Z. Vasicek, L. Sekanina // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 825–832.
- [434] Vathsavayi, S. Using Quality Farms in Multi-Objective Genetic Software Architecture Synthesis / S. Vathsavayi, O. Raiha, K. Koskimies // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 609-616.
- [435] Vazquez-Fernandez, E. An Evolutionary Algorithm coupled with the Hooke-Jeeves Algorithm for Tuning a Chess Evaluation Function / E. Vazquez-Fernandez, C. Coello, F. Sagols // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 1255–1262.
- [436] Vitorino, L. A Hybrid Swarm Intelligence Optimizer based on Particles and Artificial Bees for High-Dimensional Search Spaces / L. Vitorino, S. Ribeiro, C. Bastos-Filho // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 23–28.
- [437] Wan, S. Prediction based Multi-strategy Differential Evolution Algorithm for Dynamic Environments / S. Wan, S. Xiong, Y. Liu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 640-647.

- [438] Wang, T.-D. Comparative Study of Visualisation Methods for Temporal Data / T.-D. Wang, X. Wu, C. Fyfe // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1052–1056.
- [439] Wang, X. Multi-objective optimization using a hybrid differential evolution algorithm / X. Wang,
  L. Tang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 2081–2088.
- [440] Watanabe, D. Roles of real-world properties in the Baldwin effect / D. Watanabe, K. Ito // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 399–406.
- [441] Weerasinghe, M. A Modified Cross Entropy Method for Detecting Multiple Change Points in DNA Count Data / M. Weerasinghe, G. Sofronov // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 2001–2008.
- [442] Wei, J. Hyper Rectangle Search Based Particle Swarm Algorithm for Dynamic Constrained Multi-Objective Optimization Problems / J. Wei, Y. Wang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 190–197.
- [443] Wei, X. Parallel Quantum Evolutionary Algorithms with Client-Server Model for Multi-Objective Optimization on Discrete Problems / X. Wei, S. Fujimura // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3262–3269.
- [444] Wesolkowski, S. SaFESST: Stochastic Fleet Estimation Under Steady State Tasking via Evolutionary Fleet Scheduling / S. Wesolkowski, D. Wojtaszek // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1325–1332.
- [445] Wesolkowski, S. Multi-objective Optimization of the Fleet Mix Problem Using the SaFER Model / S. Wesolkowski, D. Wojtaszek, K. Willick // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 2341–2348.
- [446] While, L. Applying the WFG Algorithm to Calculate Incremental Hypervolumes / L. While, L. Bradstreet // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1521–1528.
- [447] Williams, H. Integration of Learning Classifier Systems with Simultaneous Localisation and Mapping for Autonomous Robotics / H. Williams, W. Browne // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2428–2435.
- [448] Wilson, G. Using Sector Information with Linear Genetic Programming for Intraday Equity Price Trend Analysis / G. Wilson, D. Leblanc, W. Banzhaf // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1071–1078.
- [449] Wink, S. A Meta-Genetic Algorithm for Solving the Capacitated Vehicle Routing Problem / S. Wink, T. Baeck, M. Emmerich // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3635–3642.
- [450] Witten, M. An Evolutionary Algorithm for Optimization of Affine Transformation Parameters for Dose Matrix Warping in Patient-Specific Quality Assurance of Radiotherapy Dose Distributions / M. Witten, O. Clancey // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 108–111.

- [451] Xiao, L. Multi-DEPSO—a DE and PSO Based Hybrid Algorithm in Dynamic Environments / L. Xiao, X. Zuo // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 1601–1607.
- [452] Xie, F. Event Detection in Time Series by Genetic Programming / F. Xie, A. Song, V. Ciesiels-ki // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2507—2514.
- [453] Xinguo, S. A Cultural Clonal Selection Algorithm based Fast Vehicle Scheduling Approach / S. Xinguo, Z. Xinguan, C. Cheng // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 893–899.
- [454] Xiong, J. Multi-Uncertainty Problems (MUP) with Applications to Managing Risk in Resource-Constrained Project Scheduling / J. Xiong, H. Abbass, K. Shafi // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1505–1512.
- [455] Xue, B. New Fitness Functions in Binary Particle Swarm Optimisation for Feature Selection / B. Xue, M. Zhang, W. N. Browne // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 779–786.
- [456] yan Sun, X. Semi-supervised Ranking SVM-assisted IGA with Hierarchical Evaluations / X. yan Sun, S. shan Chen, X. ping Ma // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 3153–3160.
- [457] Yang, L. Adaptive Learning Evaluation Model For Evolutionary Art / L. Yang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2589–2596.
- [458] Yang, Y. A Multitasks Learning Approach to Autonomous Agent based on Genetic Network Programming / Y. Yang, S. Mabu, K. Hirasawa // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1937—1943.
- [459] Yeh, C.-H. Can learning affect the effectiveness of price limits? / C.-H. Yeh, C.-Y. Yang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1094—1101.
- [460] Yoo, J. H. Evolutionary Particle Filtering for Sequential Dependency Learning from Video Data / J. H. Yoo, H.-S. Seok, B.-T. Zhang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1608–1615.
- [461] Yu, J. J. Real-Coded Chemical Reaction Optimization with Different Perturbation Functions / J. J. Yu, A. Y. Lam, V. O. Li // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2983—2990.
- [462] Yu, J. J. Sensor Deployment for Air Pollution Monitoring Using Public Transportation System / J. J. Yu, V. O. Li, A. Y. Lam // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June. — P. 995–1001.
- [463] Yuan, Y. HHS/LNS: An Integrated Search Method for Flexible Job Shop Scheduling / Y. Yuan,
  H. Xu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 811–818.
- [464] Yusoh, Z. M. Clustering Composite SaaS Components in Cloud Computing using a Grouping Genetic Algorithm / Z. M. Yusoh, M. Tang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 2357—2364.
- [465] Zamuda, A. Tree Model Reconstruction Innovization Using Multi-objective Differential Evolution / A. Zamuda, J. Brest // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1616—1623.

- [466] Zao, J. K. Design of Optimal Short-Length LT Codes Using Evolution Strategies / J. K. Zao, M. Hornansky, P.-L. Diao // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 152–160.
- [467] Zhang, A. Towards the Evolution of a Language for Creative Design / A. Zhang, R. Saunders // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1024–1029.
- [468] Zhang, H. Multi-Hive Artificial Bee Colony Algorithm for Constrained Multi-Objective Optimization / H. Zhang, Y. Zhu, X. Yan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 554–561.
- [469] Zhang, K. Cooperative Coevolution with Global Search for Large Scale Global Optimization / K. Zhang, B. Li // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3031–3037.
- [470] Zhang, K. Empirical study of the effect of variable correlation on grouping in Cooperative Coevolutionary Evolutionary Algorithms / K. Zhang, B. Li, L. Tan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 308–314.
- [471] Zhang, L. Heterogeneous double populations based hybrid genetic algorithm design for training feedforward neural networks / L. Zhang, R. He, M. Yan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.—P. 2991–2998.
- [472] Zhang, L. Self Organized Parallel Genetic Algorithm to Automatically Realize Diversified Convergence / L. Zhang, C. Zhou // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 719–727.
- [473] Zhang, W. Immune-inspired Evolutionary Algorithm for Constrained Optimization / W. Zhang, G. Yen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012. 10-15 June. P. 1695–1702.
- [474] Zhang, X. Evolutionary Repair for Evolutionary Design of Combinational Logic Circuits / X. Zhang, W. Luo // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 1473—1480.
- [475] Zhang, X. Opposition-Based Adaptive Differential Evolution / X. Zhang, S. Y. Yuen // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1843–1850.
- [476] Zhang, X. Optimized Feature Extraction by Immune Clonal Selection Algorithm / X. Zhang, E. Zhang, R. Li // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 2681–2686.
- [477] Zhang, Z. A Hybrid Particle Swarm Optimization with Cooperative Method for Multi-Object Tracking / Z. Zhang, H. S. Seah, J. Sun // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 1624—1629.
- [478] Zhao, S.-Z. Comprehensive Comparison of Convergence Performance of Optimization Algorithms based on Nonparametric Statistical Tests / S.-Z. Zhao, P. N. Suganthan // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June.— P. 2861–2867.
- [479] Zhou, A. A Multiobjective Evolutionary Algorithm based on Decomposition and Probability Model / A. Zhou, Q. Zhang, G. Zhang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. Brisbane, Australia, 2012.—10-15 June. P. 3129–3136.
- [480] Zhu, L. Multiobjective Evolutionary Algorithm-Based Soft Subspace Clustering / L. Zhu, L. Cao,
  J. Yang // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li.
  Brisbane, Australia, 2012. 10-15 June. P. 2837–2844.

[481] Zulvia, F. E. Solving CVRP with Time Window, Fuzzy Travel Time and Demand Via A Hybrid Ant Colony Optimization and Genetic Algorithm / F. E. Zulvia, R. Kuo, T.-L. Hu // Proceedings of the 2012 IEEE Congress on Evolutionary Computation / ed. by X. Li. — Brisbane, Australia, 2012.—10-15 June.— P. 2960–2967.