

## Список литературы

- [Aalto and Lampinen, 2014] Aalto, J. and Lampinen, J. (2014). "A Mutation and Crossover Adaptation Mechanism for Differential Evolution Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 451–458, Beijing, China.
- [Abdul et al., 2014] Abdul, W.; Xiaoying, G.; and Peter, A. (2014). "Multi-view Clustering of Web Documents Using Multi-Objective Genetic Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2625–2632, Beijing, China.
- [Acampora et al., 2014] Acampora, G.; Ishibuchi, H.; and Vitiello, A. (2014). "A Comparison of Multi-Objective Evolutionary Algorithms for the Ontology Meta-Matching Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 413–420, Beijing, China.
- [Adriaensen et al., 2014] Adriaensen, S.; Brys, T.; and Nowe, A. (2014). "Designing Reusable Metaheuristic Methods: A Semi-Automated Approach". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2969–2976, Beijing, China.
- [Agapitos et al., 2014] Agapitos, A.; O'Neill, M.; and Brabazon, A. (2014). "Ensemble Bayesian Model Averaging in Genetic Programming". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2451–2458, Beijing, China.
- [Ahmed et al., 2014] Ahmed, S.; Zhang, M.; and Peng, L. (2014). "A New GP-Based Wrapper Feature Construction Approach to Classification and Biomarker Identification". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2756–2763, Beijing, China.
- [Akhmedova and Semenkin, 2014] Akhmedova, S. and Semenkin, E. (2014). "Co-Operation of Biology Related Algorithms Meta-Heuristic in ANN-Based Classifiers Design". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 867–872, Beijing, China.
- [Alam et al., 2014a] Alam, K.; Ray, T.; and Anavatti, S. G. (2014a). "Practical Application of an Evolutionary Algorithm for the Design and Construction of a Six-Inch Submarine". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2825–2832, Beijing, China.
- [Alam et al., 2014b] Alam, S.; Dobbie, G.; Koh, Y. S.; and Riddle, P. (2014b). "Web Bots Detection Using Particle Swarm Optimization Based Clustering". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2955–2962, Beijing, China.
- [Alanazi and Lehre, 2014] Alanazi, F. and Lehre, P. K. (2014). "Runtime Analysis of Selection Hyper-Heuristics with Classical Learning Mechanisms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2515–2523, Beijing, China.
- [Albukhanajer et al., 2014] Albukhanajer, W. A.; Jin, Y.; and Briffa, J. A. (2014). "Neural Network Ensembles for Image Identification Using Pareto-Optimal Features". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 89–96, Beijing, China.
- [Alhindi and Zhang, 2014] Alhindi, A. and Zhang, Q. (2014). "MOEA/D with Tabu Search for Multiobjective Permutation Flow Shop Scheduling Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1155–1164, Beijing, China.
- [Ali et al., 2014] Ali, M.; Morghem, A.; AlBadarneh, J.; Al-Gharaibeh, R.; Suganthan, P.; and Reynolds, R. (2014). "Cultural Algorithms Applied to the Evolution of Robotic Soccer Team Tactics: A Novel Perspective". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2180–2187, Beijing, China.

- [Alicino and Vasile, 2014] Alicino, S. and Vasile, M. (2014). "An Evolutionary Approach to the Solution of Multi-Objective Min-Max Problems in Evidence-Based Robust Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1179–1186, Beijing, China.
- [Alvares et al., 2014] Alvares, M.; Buarque, F.; and Marwala, T. (2014). "Application of Computational Intelligence for Source Code Classification". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 895–902, Beijing, China.
- [Ameca-Alducin et al., 2014] Ameca-Alducin, M.-Y.; Mezura-Montes, E.; and Cruz-Ramirez, N. (2014). "Differential Evolution with Combined Variants for Dynamic Constrained Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 975–982, Beijing, China.
- [Ameerudden and Rughooputh, 2014] Ameerudden, M. R. and Rughooputh, H. (2014). "Smart Hybrid Genetic Algorithms in the Bandwidth Optimization of a PIFA Antenna". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1390–1396, Beijing, China.
- [Amin et al., 2014] Amin, R.; Tang, J.; Ellejmi, M.; Kirby, S.; and Abbass, H. A. (2014). "Trading-Off Simulation Fidelity and Optimization Accuracy in Air-Traffic Experiments using Differential Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 475–482, Beijing, China.
- [Angelo et al., 2014] Angelo, J.; Krempser, E.; and Barbosa, H. (2014). "Differential Evolution Assisted by a Surrogate Model for Bilevel Programming Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1784–1791, Beijing, China.
- [Arana-Daniel et al., 2014] Arana-Daniel, N.; Gallegos, A. A.; Lopez-Franco, C.; and Alanis, A. Y. (2014). "Smooth Global and Local Path Planning for Mobile Robot Using Particle Swarm Optimization, Radial Basis Functions, Splines and Bezier Curves". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 175–182, Beijing, China.
- [Ashlock and Hingston, 2014] Ashlock, D. and Hingston, P. (2014). "Tego - A Framework for Adversarial Planning". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 13–20, Beijing, China.
- [Azzouz et al., 2014] Azzouz, R.; Bechikh, S.; and Said, L. B. (2014). "A Multiple Reference Point-Based Evolutionary Algorithm for Dynamic Multi-Objective Optimization with Undetectable Changes". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3168–3175, Beijing, China.
- [Bandaru et al., 2014] Bandaru, S.; Ng, A.; and Deb, K. (2014). "On the Performance of Classification Algorithms for Learning Pareto-Dominance Relations". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1139–1146, Beijing, China.
- [Bello-Orgaz and Camacho, 2014] Bello-Orgaz, G. and Camacho, D. (2014). "Evolutionary Clustering Algorithm for Community Detection Using Graph-Based Information". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 930–937, Beijing, China.
- [Bennett et al., 2014] Bennett, S.; Nguyen, S.; and Zhang, M. (2014). "A Hybrid Discrete Particle Swarm Optimisation Method for Grid Computation Scheduling". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 483–490, Beijing, China.
- [Bidlo, 2014] Bidlo, M. (2014). "Evolving Multiplication as Emergent Behavior in Cellular Automata Using Conditionally Matching Rules". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2732–2739, Beijing, China.

- [Biswas et al., 2014a] Biswas, S.; Das, S.; Suganthan, P. N.; and Coello, C. A. C. (2014a). "Evolutionary Multiobjective Optimization in Dynamic Environments: A Set of Novel Benchmark Functions". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3192–3199, Beijing, China.
- [Biswas et al., 2014b] Biswas, S.; Eita, M. A.; Das, S.; and Vasilakos, A. V. (2014b). "Evaluating the Performance of Group Counseling Optimizer on CEC 2014 Problems for Computational Expensive Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1076–1083, Beijing, China.
- [Bolufe-Rohler and Chen, 2014] Bolufe-Rohler, A. and Chen, S. (2014). "Extending Minimum Population Search Towards Large Scale Global Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 845–852, Beijing, China.
- [Bouaziz et al., 2014] Bouaziz, S.; Alimi, A. M.; and Abraham, A. (2014). "PSO-Based Update Memory for Improved Harmony Search Algorithm to the Evolution of FBBFNT' Parameters". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1951–1958, Beijing, China.
- [Bourennani et al., 2014] Bourennani, F.; Rahnamayan, S.; and Naterer, G. F. (2014). "Multi-Objective Differential Evolution with Leadership Enhancement (MODEL)". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1131–1138, Beijing, China.
- [Brands et al., 2014] Brands, T.; Wismans, L.; and van Berkum, E. (2014). "Multi-Objective Transportation Network Design: Accelerating Search by Applying e-NSGAII". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 405–412, Beijing, China.
- [Brent et al., 2014] Brent, O.; Thiruvady, D.; Gomez-Iglesias, A.; and Garcia-Flores, R. (2014). "A Parallel Lagrangian-ACO Heuristic for Project Scheduling". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2985–2991, Beijing, China.
- [Bu et al., 2014] Bu, C.; Luo, W.; and Zhu, T. (2014). "Differential Evolution with a Species-Based Repair Strategy for Constrained Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 967–974, Beijing, China.
- [Buck et al., 2014] Buck, A.; Banerjee, T.; and Keller, J. (2014). "Evolving a Fuzzy Goal-Driven Strategy for the Game of Geister". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 28–35, Beijing, China.
- [Bujok et al., 2014] Bujok, P.; Tvrdik, J.; and Polakova, R. (2014). "Differential Evolution with Rotation-Invariant Mutation and Competing-Strategies Adaptation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2253–2258, Beijing, China.
- [Bulut and Tasgetiren, 2014] Bulut, O. and Tasgetiren, M. F. (2014). "A Discrete Artificial Bee Colony Algorithm for the Economic Lot Scheduling Problem with Returns". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 551–557, Beijing, China.
- [Burattin et al., 2014] Burattin, A.; Sperduti, A.; and van der Aalst, W. M. P. (2014). "Control-Flow Discovery from Event Streams". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2420–2427, Beijing, China.
- [Burman et al., 2014] Burman, R.; Das, S.; Haque, Z.; Vasilakos, A. V.; and Chakraborti, S. (2014). "The Monarchy Driven Optimization Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3008–3015, Beijing, China.

- [Byrne et al., 2014] Byrne, J.; Nicolau, M.; Brabazon, A.; and O'Neill, M. (2014). "An Examination of Synchronisation in Artificial Gene Regulatory Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2764–2769, Beijing, China.
- [Cai and Du, 2014] Cai, Y. and Du, J. (2014). "Enhanced Differential Evolution with Adaptive Direction Information". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 305–312, Beijing, China.
- [Cai et al., 2014] Cai, Z.; Wen, S.; and Liu, L. (2014). "Distributed Wireless Sensor Scheduling for Multi-Target Tracking Based on Matrix-Coded Parallel Genetic Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2013–2018, Beijing, China.
- [Campbell et al., 2014] Campbell, A.; Ciesielski, V.; and Trist, K. (2014). "A Self Organising Map Based Method for Understanding Features Associated with High Aesthetic Value Evolved Abstract Images". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2274–2281, Beijing, China.
- [Campos and Krohling, 2014] Campos, M. and Krohling, R. (2014). "Bare Bones Particle Swarm with Scale Mixtures of Gaussians for Dynamic Constrained Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 202–209, Beijing, China.
- [Carvalho and Fernandes, 2014] Carvalho, L. and Fernandes, M. (2014). "Multi-Objective Flexible Job-Shop Scheduling Problem with DIPSO: More Diversity, Greater Efficiency". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 282–289, Beijing, China.
- [Ceberio et al., 2014] Ceberio, J.; Irurozki, E.; Mendiburu, A.; and Lozano, J. A. (2014). "Extending Distance-Based Ranking Models in Estimation of Distribution Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2459–2466, Beijing, China.
- [Chaman-Garcia et al., 2014] Chaman-Garcia, I.; Coello, C. C.; and Arias-Montano, A. (2014). "MOPSOhy: A New Hypervolume-Based Multi-Objective Particle Swarm Optimizer". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 266–273, Beijing, China.
- [Chan et al., 2014] Chan, K. Y.; Rajakaruna, N.; Rathnayake, C.; and Murray, I. (2014). "Image Deblurring Using a Hybrid Optimization Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1243–1249, Beijing, China.
- [Chang and He, 2014] Chang, P.-C. and He, X. (2014). "Macroscopic Indeterminacy Swarm Optimization (MISO) Algorithm for Real-Parameter Search". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1571–1578, Beijing, China.
- [Chatbri et al., 2014] Chatbri, H.; Kwan, P.; and Kameyama, K. (2014). "A Modular Approach for Query Spotting in Document Images and Its Optimization Using Genetic Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2085–2092, Beijing, China.
- [Che and Reynolds, 2014] Che, X. and Reynolds, R. (2014). "A Social Metrics Based Process Model on Complex Social System". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2214–2221, Beijing, China.
- [Chen et al., 2014a] Chen, G.; Luo, W.; and Zhu, T. (2014a). "Evolutionary Clustering with Differential Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1382–1389, Beijing, China.

- [Chen et al., 2014b] Chen, L.; Liu, H.-L.; Zheng, Z.; and Xie, S. (2014b). "A Evolutionary Algorithm Based on Covariance Matrix Learning and Searching Preference for Solving CEC 2014 Benchmark Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2672–2677, Beijing, China.
- [Chen et al., 2014c] Chen, M.-R.; Zeng, W.; Zeng, G.-Q.; Li, X.; and Luo, J.-P. (2014c). "A Novel Artificial Bee Colony Algorithm with Integration of Extremal Optimization for Numerical Optimization Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 242–249, Beijing, China.
- [Chen and Chiang, 2014] Chen, S.-W. and Chiang, T.-C. (2014). "Evolutionary Many-Objective Optimization by MO-NSGA-II with Enhanced Mating Selection". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1397–1404, Beijing, China.
- [Chen et al., 2014d] Chen, Y.; Shang, Y.; and Xu, D. (2014d). "Multi-Dimensional Scaling and MODELLER-Based Evolutionary Algorithms for Protein Model Refinement". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1038–1045, Beijing, China.
- [Cheng et al., 2014a] Cheng, P.; Pan, J.-S.; and Lin, C.-W. (2014a). "Use EMO to Protect Sensitive Knowledge in Association Rule Mining by Removing Items". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1108–1115, Beijing, China.
- [Cheng and Jin, 2014] Cheng, R. and Jin, Y. (2014). "Demonstrator Selection in a Social Learning Particle Swarm Optimizer". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3103–3110, Beijing, China.
- [Cheng et al., 2014b] Cheng, S.; Shi, Y.; Qin, Q.; Ting, T. O.; and Bai, R. (2014b). "Maintaining Population Diversity in Brain Storm Optimization Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3230–3237, Beijing, China.
- [Chotard et al., 2014] Chotard, A.; Auger, A.; and Hansen, N. (2014). "Markov Chain Analysis of Evolution Strategies on a Linear Constraint Optimization Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 159–166, Beijing, China.
- [Chou et al., 2014] Chou, C.-H.; Chia-Ling, H.; and Chang, P.-C. (2014). "A RFID Network Design Methodology for Decision Problem in Health Care". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1586–1592, Beijing, China.
- [Chow and Yuen, 2014] Chow, C. K. and Yuen, S. Y. (2014). "A Dynamic History-Driven Evolutionary Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1558–1564, Beijing, China.
- [Chowdhury et al., 2014] Chowdhury, A.; Rakshit, P.; Konar, A.; and Nagar, A. (2014). "A Modified Bat Algorithm to Predict Protein-Protein Interaction Network". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1046–1053, Beijing, China.
- [Cleghorn and Engelbrecht, 2014] Cleghorn, C. and Engelbrecht, A. (2014). "Particle Swarm Convergence: An Empirical Investigation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2524–2530, Beijing, China.
- [Cooper et al., 2014] Cooper, I.; John, M.; Lewis, R.; Olden, A.; and Mumford, C. (2014). "Optimising Large Scale Public Transport Network Design Problems Using Mixed-Mode Parallel Multi-Objective Evolutionary Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2841–2848, Beijing, China.

- [Cota et al., 2014] Cota, L. P.; Haddad, M. N.; Souza, M. J. F.; and Coelho, V. N. (2014). "AIRP: A Heuristic Algorithm for Solving the Unrelated Parallel Machine Scheduling Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1855–1862, Beijing, China.
- [Cui et al., 2014] Cui, T.; Cheng, S.; and Bai, R. (2014). "A Combinatorial Algorithm for the Cardinality Constrained Portfolio Optimization Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 491–498, Beijing, China.
- [da Silva et al., 2014] da Silva, A. S.; Ma, H.; and Zhang, M. (2014). "A Graph-Based Particle Swarm Optimisation Approach to QoS-Aware Web Service Composition and Selection". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3127–3134, Beijing, China.
- [Datta et al., 2014] Datta, S.; Rakshit, P.; Konar, A.; and Nagar, A. K. (2014). "Selecting the Optimal EEG Electrode Positions for a Cognitive Task Using an Artificial Bee Colony with Adaptive Scale Factor Optimization Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2748–2755, Beijing, China.
- [Davendra et al., 2014] Davendra, D.; Senkerik, R.; Zelinka, I.; and Pluhacek, M. (2014). "Scatter Search Algorithm with Chaos Based Stochasticity". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 860–866, Beijing, China.
- [Davila, 2014] Davila, J. (2014). "Genotype Coding, Diversity, and Dynamic Environments: A Study on an Evolutionary Neural Network Multi-Agent System". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2306–2313, Beijing, China.
- [Dawson and Stewart, 2014] Dawson, L. and Stewart, I. (2014). "Accelerating Ant Colony Optimization-Based Edge Detection on the GPU Using CUDA". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1736–1743, Beijing, China.
- [de Vega et al., 2014] de Vega, F. F.; Garcia-Valdez, M.; Navarro, L.; Cruz, C.; Hernandez, P.; Gallego, T.; and Albarran, J. V. (2014). "When Artists Met Evospace-i". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2282–2289, Beijing, China.
- [Debie et al., 2014] Debie, E.; Shafi, K.; Merrick, K.; and Lokan, C. (2014). "An Online Evolutionary Rule Learning Algorithm with Incremental Attribute Discretization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1116–1123, Beijing, China.
- [Dhebar et al., 2014] Dhebar, Y.; Deb, K.; and Bandaru, S. (2014). "Non-Uniform Mapping in Real-Coded Genetic Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2237–2244, Beijing, China.
- [Dick and Yao, 2014] Dick, G. and Yao, X. (2014). "Model Representation and Cooperative Coevolution for Finite-State Machine Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2700–2707, Beijing, China.
- [Ding et al., 2014a] Ding, J.; Chen, L.; Xie, Q.; Chai, T.; and Zheng, X. (2014a). "Effect of Pseudo Gradient on Differential Evolutionary for Global Numerical Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2019–2026, Beijing, China.
- [Ding et al., 2014b] Ding, J.; Song, S.; Zhang, R.; and Wu, C. (2014b). "Minimizing Makespan for a No-Wait Flowshop Using Tabu Mechanism Improved Iterated Greedy Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1906–1911, Beijing, China.

- [Ding and Tan, 2014] Ding, K. and Tan, Y. (2014). "Comparison of Random Number Generators in Particle Swarm Optimization Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2664–2671, Beijing, China.
- [Dong et al., 2014] Dong, W.; Tian, J.; Tang, X.; Sheng, K.; and Liu, J. (2014). "Autonomous Learning Adaptation for Particle Swarm Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 223–228, Beijing, China.
- [Dong and Zeng, 2014] Dong, W. and Zeng, S. (2014). "Linear Sparse Arrays Designed by Dynamic Constrained Multi-Objective Evolutionary Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3067–3072, Beijing, China.
- [Donne et al., 2014] Donne, S.; Nicolau, M.; Bean, C.; and O'Neill, M. (2014). "Wave Height Quantification Using Land Based Seismic Data with Grammatical Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2909–2916, Beijing, China.
- [Dornberger et al., 2014] Dornberger, R.; Hanne, T.; Ryter, R.; and Michael, S. (2014). "Optimization of the Picking Sequence of an Automated Storage and Retrieval System (AS/RS)". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2817–2824, Beijing, China.
- [Du and Chang, 2014] Du, X. and Chang, X. (2014). "Performance of AI Algorithms for Mining Meaningful Roles". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2070–2076, Beijing, China.
- [Duan et al., 2014] Duan, P.; Xiong, S.; Hu, Z.; Chen, Q.; and Zhong, X. (2014). "Multi-Objective Optimization Model Based on Steady Degree for Teaching Building Evacuation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 924–929, Beijing, China.
- [Elsayed et al., 2014a] Elsayed, S.; Ray, T.; and Sarker, R. (2014a). "A Surrogate-Assisted Differential Evolution Algorithm with Dynamic Parameters Selection for Solving Expensive Optimization Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1062–1068, Beijing, China.
- [Elsayed et al., 2014b] Elsayed, S.; Sarker, R.; and Essam, D. (2014b). "United Multi-Operator Evolutionary Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1006–1013, Beijing, China.
- [Elsayed et al., 2014c] Elsayed, S.; Sarker, R.; Essam, D.; and Hamza, N. (2014c). "Testing United Multi-Operator Evolutionary Algorithms on the CEC2014 Real-Parameter Numerical Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1650–1657, Beijing, China.
- [Enaya and Deb, 2014] Enaya, Y. and Deb, K. (2014). "Network Path Optimization Under Dynamic Conditions". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2977–2984, Beijing, China.
- [Erlich et al., 2014a] Erlich, I.; Rueda, J. L.; and Wildenhues, S. (2014a). "Evaluating the Mean-Variance Mapping Optimization on the IEEE-CEC 2014 Test Suite". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1625–1632, Beijing, China.
- [Erlich et al., 2014b] Erlich, I.; Rueda, J. L.; and Wildenhues, S. (2014b). "Solving the IEEE-CEC 2014 Expensive Optimization Test Problems by Using Single-Particle MVMO". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1084–1091, Beijing, China.
- [Everitt et al., 2014] Everitt, T.; Lattimore, T.; and Hutter, M. (2014). "Free Lunch for Optimisation under the Universal Distribution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 167–174, Beijing, China.

- [Farzan and DeSouza, 2014] Farzan, S. and DeSouza, G. (2014). "A Parallel Evolutionary Solution for the Inverse Kinematics of Generic Robotic Manipulators". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 358–365, Beijing, China.
- [Fatnassi et al., 2014] Fatnassi, E.; Chebbi, O.; and Chaouachi, J. (2014). "A Bee Colony Algorithm for Routing Guided Automated Battery-Operated Electric Vehicles in Personal Rapid Transit Systems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 536–543, Beijing, China.
- [Felipe et al., 2014] Felipe, D.; Goldberg, E. F. G.; and Goldberg, M. C. (2014). "Scientific Algorithms for the Car Renter Salesman Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 873–879, Beijing, China.
- [Feng et al., 2014] Feng, S.; Tan, S.; and Lu, J. (2014). "Characterizing the Impact of Selection on the Evolution of Cooperation in Complex Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 813–818, Beijing, China.
- [Fieldsend, 2014] Fieldsend, J. (2014). "Running Up Those Hills: Multi-Modal Search with the Niching Migratory Multi-Swarm Optimiser". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2593–2600, Beijing, China.
- [Fogel et al., 2014] Fogel, G.; Liu, E.; Salemi, M.; Lamers, S.; and McGrath, M. (2014). "Evolved Neural Networks for HIV-1 Co-Receptor Identification". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2778–2784, Beijing, China.
- [Fong et al., 2014] Fong, C. W.; Asmuni, H.; Lam, W. S.; McCollum, B.; and McMullan, P. (2014). "A Novel Hybrid Approach for Curriculum Based Course Timetabling Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 544–550, Beijing, China.
- [Friedrich and Menzel, 2014] Friedrich, T. and Menzel, S. (2014). "A Cascaded Evolutionary Multi-Objective Optimization for Solving the Unbiased Universal Electric Motor Family Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3184–3191, Beijing, China.
- [Fu et al., 2014a] Fu, H.; Lewis, P.; Sendhoff, B.; Tang, K.; and Yao, X. (2014a). "What Are Dynamic Optimization Problems?". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1550–1557, Beijing, China.
- [Fu et al., 2014b] Fu, W.; Johnston, M.; and Zhang, M. (2014b). "Unsupervised Learning for Edge Detection Using Genetic Programming". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 117–124, Beijing, China.
- [Gao et al., 2014a] Gao, C.; Weise, T.; and Li, J. (2014a). "A Weighting-Based Local Search Heuristic Algorithm for the Set Covering Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 826–831, Beijing, China.
- [Gao et al., 2014b] Gao, S.; Liu, Z.; Dai, C.; and Geng, X. (2014b). "Application of BPSO with GA in Model-Based Fault Diagnosis of Traction Substation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2063–2069, Beijing, China.
- [Garden and Engelbrecht, 2014] Garden, R. and Engelbrecht, A. (2014). "Analysis and Classification of Optimisation Benchmark Functions and Benchmark Suites". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1641–1649, Beijing, China.
- [Gaudesi et al., 2014] Gaudesi, M.; Piccolo, E.; Squillero, G.; and Tonda, A. (2014). "TURAN: Evolving Non-Deterministic Players for the Iterated Prisoner's Dilemma". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 21–27, Beijing, China.



- [Gee and Tan, 2014] Gee, S. B. and Tan, K. C. (2014). "Diversity Preservation with Hybrid Recombination for Evolutionary Multiobjective Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1172–1178, Beijing, China.
- [Georgieva and Engelbrecht, 2014] Georgieva, K. S. and Engelbrecht, A. P. (2014). "Cooperative DynDE for Temporal Data Clustering". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 437–444, Beijing, China.
- [Glette and Kaufmann, 2014] Glette, K. and Kaufmann, P. (2014). "Lookup Table Partial Reconfiguration for an Evolvable Hardware Classifier System". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1706–1713, Beijing, China.
- [Gonzalez-Pardo and Camacho, 2014] Gonzalez-Pardo, A. and Camacho, D. (2014). "A New CSP Graph-Based Representation to Resource-Constrained Project Scheduling Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 344–351, Beijing, China.
- [Greenwood et al., 2014] Greenwood, G.; Elsayed, S.; Sarker, R.; and Abbass, H. (2014). "Online Generation of Trajectories for Autonomous Vehicles Using a Multi-Agent System". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1218–1224, Beijing, China.
- [Grobler et al., 2014] Grobler, J.; Engelbrecht, A. P.; Kendall, G.; and Yadavalli, V. (2014). "Heuristic Space Diversity Management in a Meta-Hyper-Heuristic Framework". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1863–1869, Beijing, China.
- [Gu and Shi, 2014] Gu, J. and Shi, X. (2014). "An Adaptive PSO Based on Motivation Mechanism and Acceleration Restraint Operator". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1328–1336, Beijing, China.
- [Gu et al., 2014] Gu, L.; Yang, P.; and Dong, Y. (2014). "A Dynamic-Weighted Collaborative Filtering Approach to Address Sparsity and Adaptivity Issues". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3044–3050, Beijing, China.
- [Guo et al., 2014] Guo, Y.; Chen, M.; Fu, H.; and Liu, Y. (2014). "Find Robust Solutions Over Time by Two-Layer Multi-Objective Optimization Method". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1528–1535, Beijing, China.
- [Hamza et al., 2014] Hamza, N.; Sarker, R.; and Essam, D. (2014). "Differential Evolution with a Constraint Consensus Mutation for Solving Optimization Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 991–997, Beijing, China.
- [Handa, 2014] Handa, H. (2014). "Deep Boltzmann Machine for Evolutionary Agents of Mario AI". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 36–41, Beijing, China.
- [Hardhienata et al., 2014] Hardhienata, M.; Ugrinovskii, V.; and Merrick, K. (2014). "Task Allocation Under Communication Constraints Using Motivated Particle Swarm Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3135–3142, Beijing, China.
- [Harrison et al., 2014] Harrison, K.; Ombuki-Berman, B.; and Engelbrecht, A. (2014). "Dynamic Multi-Objective Optimization Using Charged Vector Evaluated Particle Swarm Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1929–1936, Beijing, China.

- [He et al., 2014a] He, J.; Boris, M.; and Zhou, Y. (2014a). "A Theoretical Assessment of Solution Quality in Evolutionary Algorithms for the Knapsack Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 141–148, Beijing, China.
- [He et al., 2014b] He, P.; Lu, L.; Xu, X.; Li, K.; Qian, H.; and Zhang, W. (2014b). "Confidence-Based Ant Random Walks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1721–1728, Beijing, China.
- [He and Chan, 2014] He, T. and Chan, K. C. (2014). "Evolutionary Community Detection in Social Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1496–1503, Beijing, China.
- [Helbig and Engelbrecht, 2014] Helbig, M. and Engelbrecht, A. (2014). "Heterogeneous Dynamic Vector Evaluated Particle Swarm Optimisation for Dynamic Multi-Objective Optimisation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3151–3159, Beijing, China.
- [Htiouech and Bouamama, 2014] Htiouech, S. and Bouamama, S. (2014). "A Lagrangian and Surrogate Information Enhanced Tabu Search for the MMKP". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1461–1468, Beijing, China.
- [Hu et al., 2014a] Hu, W.; Yen, G.; and Zhang, X. (2014a). "Sensitivity Analysis of Parallel Cell Coordinate System in Many-Objective Particle Swarm Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2641–2648, Beijing, China.
- [Hu and Leeson, 2014] Hu, X.-B. and Leeson, M. S. (2014). "Genetic Algorithm with Spatial Receding Horizon Control for the Optimization of Facility Locations". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 903–909, Beijing, China.
- [Hu et al., 2014b] Hu, X.-B.; Wang, M.; and Leeson, M. S. (2014b). "Calculating the Complete Pareto Front for a Special Class of Continuous Multi-Objective Optimization Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 290–297, Beijing, China.
- [Hu et al., 2014c] Hu, Z.; Bao, Y.; and Xiong, T. (2014c). "Partial Opposition-Based Adaptive Differential Evolution Algorithms: Evaluation on the CEC 2014 Benchmark Set for Real-Parameter Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2259–2265, Beijing, China.
- [Hui and Ponnuthurai, 2014] Hui, S. and Ponnuthurai, N. S. (2014). "Niching-Based Self-adaptive Ensemble DE with MMTS for Solving Dynamic Optimization Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1536–1541, Beijing, China.
- [Hunt et al., 2014] Hunt, R.; Johnston, M.; and Zhang, M. (2014). "Evolving Machine-Specific Dispatching Rules for a Two-Machine Job Shop using Genetic Programming". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 618–625, Beijing, China.
- [Huo et al., 2014] Huo, Y.; Cai, Z.; Gong, W.; and Liu, Q. (2014). "A New Adaptive Kalman Filter by Combining Evolutionary Algorithm and Fuzzy Inference System". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2893–2900, Beijing, China.
- [Ivan et al., 2014] Ivan, Z.; Jouni, L.; Roman, S.; Michal, P.; and Donald, D. (2014). "Evolutionary Algorithms Dynamics and Its Hidden Complex Network Structures". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3246–3251, Beijing, China.

- [Jana et al., 2014] Jana, N. D.; Das, S.; and Sil, J. (2014). "Particle Swarm Optimization with Population Adaptation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 573–578, Beijing, China.
- [Janecek et al., 2014] Janecek, A.; Jordan, T.; and de Lima-Neto, F. B. (2014). "Swarm/Evolutionary Intelligence for Agent-Based Social Simulation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2925–2932, Beijing, China.
- [Jariyatantiwait and Yen, 2014] Jariyatantiwait, C. and Yen, G. (2014). "Fuzzy Multiobjective Differential Evolution Using Performance Metrics Feedback". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1959–1966, Beijing, China.
- [Jiang et al., 2014a] Jiang, Q.; Wang, L.; Hei, X.; Fei, R.; Yang, D.; Zou, F.; Li, H.; and Cao, Z. (2014a). "Optimal Approximation of Stable Linear Systems with a Novel and Efficient Optimization Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 840–844, Beijing, China.
- [Jiang and Yang, 2014] Jiang, S. and Yang, S. (2014). "An Improved Quantum-Behaved Particle Swarm Optimization Based on Linear Interpolation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 769–775, Beijing, China.
- [Jiang et al., 2014b] Jiang, Y.; Yang, Z.; Hao, Z.; Wang, Y.; and He, H. (2014b). "A Cooperative Honey Bee Mating Algorithm and Its Application in Multi-Threshold Image Segmentation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1579–1585, Beijing, China.
- [Jin and Yao, 2014] Jin, N. and Yao, X. (2014). "Heuristic Optimization for Software Project Management with Impacts of Team Efficiency". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3016–3023, Beijing, China.
- [Juan et al., 2014] Juan, T.; Jose, A.; and Mariela, C. (2014). "Cultural Learning for Multi-Agent System and Its Application to Fault Management". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2188–2195, Beijing, China.
- [Judeh et al., 2014] Judeh, T.; Jayyousi, T.; Acharya, L.; Reynolds, R.; and Zhu, D. (2014). "GSCA: Reconstructing Biological Pathway Topologies Using a Cultural Algorithms Approach". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2206–2213, Beijing, China.
- [Karim and Mouhoub, 2014] Karim, M. R. and Mouhoub, M. (2014). "Coevolutionary Genetic Algorithm for Variable Ordering in CSPs". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2716–2723, Beijing, China.
- [Kaszakurewicz et al., 2014] Kaszkurewicz, E.; Bhaya, A.; Jayadeva, J.; and da Silva, J. M. M. (2014). "The Coupled EigenAnt Algorithm for Shortest Path Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1729–1735, Beijing, China.
- [Kattan et al., 2014] Kattan, A.; Kampouridis, M.; Ong, Y.-S.; and Mehamdi, K. (2014). "Transformation of Input Space Using Statistical Moments: EA-Based Approach". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2499–2506, Beijing, China.
- [Kazimipour et al., 2014a] Kazimipour, B.; Li, X.; and Qin, A. (2014a). "Effects of Population Initialization on Differential Evolution for Large Scale Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2404–2411, Beijing, China.
- [Kazimipour et al., 2014b] Kazimipour, B.; Li, X.; and Qin, A. (2014b). "A Review of Population Initialization Techniques for Evolutionary Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2585–2592, Beijing, China.

- [Kazimipour et al., 2014c] Kazimipour, B.; Omidvar, M. N.; Li, X.; and Qin, A. (2014c). "A Novel Hybridization of Opposition-Based Learning and Cooperative Co-Evolutionary for Large-Scale Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2833–2840, Beijing, China.
- [Ke, 2014] Ke, L. (2014). "A Cooperative Approach between Metaheuristic and Branch-and-Price for the Team Orienteering Problem with Time Windows". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1878–1882, Beijing, China.
- [Ki-Baek and Jong-Hwan, 2014] Ki-Baek, L. and Jong-Hwan, K. (2014). "DMOPSO: Dual Multi-Objective Particle Swarm Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3096–3102, Beijing, China.
- [Kizilay et al., 2014] Kizilay, D.; Tasgetiren, M. F.; Bulut, O.; and Bostan, B. (2014). "A Discrete Artificial Bee Colony Algorithm for the Parallel Machine Scheduling Problem in DY0 Painting Company". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 653–660, Beijing, China.
- [Klazar and Engelbrecht, 2014] Klazar, R. and Engelbrecht, A. (2014). "Parameter Optimization by Means of Statistical Quality Guides in F-Race". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2547–2552, Beijing, China.
- [Krawczyk et al., 2014] Krawczyk, B.; Triguero, I.; Garcia, S.; Wozniak, M.; and Herrera, F. (2014). "A First Attempt on Evolutionary Prototype Reduction for Nearest Neighbor One-Class Classification". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 747–753, Beijing, China.
- [Kren and Neruda, 2014] Kren, T. and Neruda, R. (2014). "Generating Lambda Term Individuals in Typed Genetic Programming Using Forgetful A\*". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1847–1854, Beijing, China.
- [Krityakierne et al., 2014] Krityakierne, T.; Mueller, J.; and Shoemaker, C. (2014). "SO-MODS: Optimization for High Dimensional Computationally Expensive Multi-Modal Functions with Surrogate Search". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1092–1099, Beijing, China.
- [Kromer et al., 2014] Kromer, P.; Zelinka, I.; and Snasel, V. (2014). "Can Deterministic Chaos Improve Differential Evolution for the Linear Ordering Problem?". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1443–1448, Beijing, China.
- [Ksibi et al., 2014] Ksibi, A.; Ammar, A. B.; and Amar, C. B. (2014). "Enhancing Relevance Re-Ranking Using Nature-Inspired Meta-Heuristic Optimization Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1435–1442, Beijing, China.
- [Kuang et al., 2014a] Kuang, F.; Jin, Z.; Xu, W.; and Zhang, S. (2014a). "A Novel Chaotic Artificial Bee Colony Algorithm Based on Tent Map". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 235–241, Beijing, China.
- [Kuang et al., 2014b] Kuang, L.; Zhao, Z.; Wang, F.; Li, Y.; Yu, F.; and Li, Z. (2014b). "A Differential Evolution Box-Covering Algorithm for Fractal Dimension on Complex Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 693–699, Beijing, China.
- [Lara-Cabrera et al., 2014] Lara-Cabrera, R.; Cotta, C.; and Fernandez-Leiva, A. J. (2014). "A Self-Adaptive Evolutionary Approach to the Evolution of Aesthetic Maps for a RTS Game". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 298–304, Beijing, China.

- [Lattarulo et al., 2014] Lattarulo, V.; Lindley, B. A.; and Parks, G. T. (2014). "Application of the MOAA for the Optimization of CORAIL Assemblies for Nuclear Reactors". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1413–1420, Beijing, China.
- [Lauri and Koukam, 2014] Lauri, F. and Koukam, A. (2014). "Hybrid ACO/EA Algorithms Applied to the Multi-Agent Patrolling Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 250–257, Beijing, China.
- [Lee et al., 2014] Lee, G.; Luo, M.; Zambetta, F.; and Li, X. (2014). "Learning a Super Mario Controller from Examples of Human Play". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1–8, Beijing, China.
- [Lee and Hsiao, 2014] Lee, P.-M. and Hsiao, T.-C. (2014). "Applying LCS to Affective Images Classification in Spatial-Frequency Domain". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1690–1697, Beijing, China.
- [Lee and Myung, 2014] Lee, S.-M. and Myung, H. (2014). "A Cooperative Coevolutionary Approach to Multi-Robot Formation Control". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1225–1231, Beijing, China.
- [Leite et al., 2014] Leite, V.; Silva, C.; Claro, J.; and Sousa, J. M. C. (2014). "Optimization of Power Flow with Energy Storage Using Genetic Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2678–2684, Beijing, China.
- [Leung et al., 2014] Leung, M. F.; Ng, S. C.; Cheung, C. C.; and Lui, A. K. (2014). "A New Strategy for Finding Good Local Guides in MOPSO". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1990–1997, Beijing, China.
- [Li et al., 2014a] Li, B.; Chiong, R.; and Gong, L. (2014a). "Search-Evasion Path Planning for Submarines Using the Artificial Bee Colony Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 528–535, Beijing, China.
- [Li et al., 2014b] Li, B.; Li, J.; Tang, K.; and Yao, X. (2014b). "An Improved Two Archive Algorithm for Many-Objective Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2869–2876, Beijing, China.
- [Li et al., 2014c] Li, F.; Zhang, Y.; and Li, H. (2014c). "Quantum Bacterial Foraging Optimization Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1265–1272, Beijing, China.
- [Li et al., 2014d] Li, H.; Zhang, Q.; and Deng, J. (2014d). "Multiobjective Test Problems with Complicated Pareto Fronts: Difficulties in Degeneracy". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2156–2163, Beijing, China.
- [Li and Zhang, 2014] Li, J. and Zhang, J. (2014). "Using Estimation of Distribution Algorithm to Coordinate Decentralized Learning Automata for Meta-Task Scheduling". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2077–2084, Beijing, China.
- [Li et al., 2014e] Li, J.; Zheng, S.; and Tan, Y. (2014e). "Adaptive Fireworks Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3214–3221, Beijing, China.
- [Li et al., 2014f] Li, M.; Ji, T.; Wu, P.; He, S.; and Wu, Q. (2014f). "Protein Folding Estimation Using Paired-Bacteria Optimizer". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2027–2032, Beijing, China.
- [Li and O’Riordan, 2014] Li, M. and O’Riordan, C. (2014). "Graph Centrality Measures and the Robustness of Cooperation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1232–1237, Beijing, China.

- [Li et al., 2014g] Li, M.; Yang, S.; and Liu, X. (2014g). "A Test Problem for Visual Investigation of High-Dimensional Multi-Objective Search". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2140–2147, Beijing, China.
- [Li et al., 2014h] Li, X.; He, W.; and Hirasawa, K. (2014h). "Adaptive Genetic Network Programming". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1808–1815, Beijing, China.
- [Li et al., 2014i] Li, X.; He, W.; and Hirasawa, K. (2014i). "Creating Stock Trading Rules Using Graph-Based Estimation of Distribution Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 731–738, Beijing, China.
- [Li et al., 2014j] Li, X.; He, W.; and Hirasawa, K. (2014j). "Generalized Classifier System: Evolving Classifiers with Cyclic Conditions". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1682–1689, Beijing, China.
- [Li et al., 2014k] Li, X.; He, W.; and Hirasawa, K. (2014k). "Learning and Evolution of Genetic Network Programming with Knowledge Transfer". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 798–805, Beijing, China.
- [Li et al., 2014l] Li, Y.; Tian, X.; Jiao, L.; and Zhang, X. (2014l). "Biclustering of Gene Expression Data Using Particle Swarm Optimization Integrated with Pattern-Driven Local Search". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1367–1373, Beijing, China.
- [Li et al., 2014m] Li, Y.; Zhou, A.; and Zhang, G. (2014m). "An MOEA/D with Multiple Differential Evolution Mutation Operators". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 397–404, Beijing, China.
- [Li et al., 2014n] Li, Z.; Shang, Z.; Liang, J. J.; and Qu, B. Y. (2014n). "Differential Evolution Strategy Based on the Constraint of Fitness Values Classification". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1454–1460, Beijing, China.
- [Li et al., 2014o] Li, Z.; Shang, Z.; Liang, J. J.; and Qu, B. Y. (2014o). "Feature Selection Based on Manifold-Learning with Dynamic Constraint-Handling Differential Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 332–337, Beijing, China.
- [Li et al., 2014p] Li, Z.; Zhang, J.; Wang, W.; and Yao, J. (2014p). "Dimensions Cooperate by Euclidean Metric in Particle Swarm Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1359–1366, Beijing, China.
- [Liang et al., 2014a] Liang, J. J.; Qu, B. Y.; Song, H.; and Shang, Z. G. (2014a). "Memetic Differential Evolution Based on Fitness Euclidean-Distance Ratio". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2266–2273, Beijing, China.
- [Liang et al., 2014b] Liang, J. J.; Zheng, B.; Qu, B. Y.; and Song, H. (2014b). "Multi-Objective Differential Evolution Algorithm Based on Fast Sorting and a Novel Constraints Handling Technique". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 445–450, Beijing, China.
- [Liang et al., 2014c] Liang, Y.-C.; Chen, H.-L.; and Nien, Y.-H. (2014c). "Artificial Bee Colony for Workflow Scheduling". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 558–564, Beijing, China.
- [Liao et al., 2014a] Liao, Q.; Zhou, A.; and Zhang, G. (2014a). "A Locally Weighted Metamodel for Pre-Selection in Evolutionary Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2483–2490, Beijing, China.
- [Liao et al., 2014b] Liao, X.-L.; Chien, C.-H.; and Ting, C.-K. (2014b). "A Genetic Algorithm for the Minimum Latency Pickup and Delivery Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3272–3279, Beijing, China.

- [Lin et al., 2014a] Lin, K.; Wang, X.; Li, X.; and Tan, Y. (2014a). "Self-Adaptive Morphable Model Based Multi-View Non-Cooperative 3D Face Reconstruction". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 320–325, Beijing, China.
- [Lin et al., 2014b] Lin, L.; Mitsuo, G.; and Yan, L. (2014b). "A Hybrid EA for High-Dimensional Subspace Clustering Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2855–2860, Beijing, China.
- [Ling et al., 2014] Ling, S. H.; San, P. P.; Lam, H. K.; and Nguyen, H. (2014). "Non-Invasive Detection of Hypoglycemic Episodes in Type1 Diabetes Using Intelligent Hybrid Rough Neural System". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1238–1242, Beijing, China.
- [Liu et al., 2014a] Liu, B.; Chen, Q.; Zhang, Q.; Gielen, G.; and Grout, V. (2014a). "Behavioral Study of the Surrogate Model-Aware Evolutionary Search Framework". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 715–722, Beijing, China.
- [Liu and Li, 2014] Liu, C. and Li, B. (2014). "Memetic Algorithm with Adaptive Local Search Depth for Large Scale Global Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 82–88, Beijing, China.
- [Liu et al., 2014b] Liu, H.; Wu, Z.; Wang, H.; Rahnamayan, S.; and Deng, C. (2014b). "Improved Differential Evolution with Adaptive Opposition Strategy". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1776–1783, Beijing, China.
- [Liu et al., 2014c] Liu, H.; Zhou, J.; Wu, X.; and Yuan, P. (2014c). "Optimization Algorithm for Rectangle Packing Problem Based on Varied-Factor Genetic Algorithm and Lowest Front-Line Strategy". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 352–357, Beijing, China.
- [Liu et al., 2014d] Liu, J.; gen Cai, B.; and Wang, J. (2014d). "Particle Swarm Optimization for Integrity Monitoring in BDS/DR Based Railway Train Positioning". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 792–797, Beijing, China.
- [Liu et al., 2014e] Liu, J.; He, Y.; and Hu, Y. (2014e). "Regression Ensemble with PSO Algorithms Based Fuzzy Integral". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 762–768, Beijing, China.
- [Liu et al., 2014f] Liu, J.; Zheng, S.; and Tan, Y. (2014f). "Analysis on Global Convergence and Time Complexity of Fireworks Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3207–3213, Beijing, China.
- [Liu et al., 2014g] Liu, M.; Singh, H.; and Ray, T. (2014g). "A Benchmark Generator for Dynamic Capacitated Arc Routing Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 579–586, Beijing, China.
- [Liu et al., 2014h] Liu, M.; Singh, H.; and Ray, T. (2014h). "A Memetic Algorithm with a New Split Scheme for Solving Dynamic Capacitated Arc Routing Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 595–602, Beijing, China.
- [Liu et al., 2014i] Liu, M.; Zheng, J.; Wang, J.; Liu, Y.; and Jiang, L. (2014i). "An Adaptive Diversity Introduction Method for Dynamic Evolutionary Multiobjective Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3160–3167, Beijing, China.

- [Liu et al., 2014j] Liu, R.; Niu, X.; and Jiao, L. (2014j). "A Multi-Swarm Particle Swarm Optimization with Orthogonal Learning for Locating and Tracking Multiple Optima in Dynamic Environments". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 754–761, Beijing, China.
- [Liu et al., 2014k] Liu, T.; Sun, C.; Zeng, J.; and Jin, Y. (2014k). "Similarity- and Reliability-Assisted Fitness Estimation for Particle Swarm Optimization of Expensive Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 640–646, Beijing, China.
- [Liu and Lin, 2014] Liu, W.-Y. and Lin, C.-C. (2014). "A Cultural Algorithm for Spatial Forest Harvest Scheduling". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1273–1276, Beijing, China.
- [Lopez-Herrejon et al., 2014] Lopez-Herrejon, R. E.; Ferrer, J.; Chicano, F.; Egyed, A.; and Alba, E. (2014). "Comparative Analysis of Classical Multi-Objective Evolutionary Algorithms and Seeding Strategies for Pairwise Testing of Software Product Lines". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 387–396, Beijing, China.
- [Lotif, 2014] Lotif, M. (2014). "Visualizing the Population of Meta-Heuristics During the Optimization Process Using Self-Organizing Maps". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 313–319, Beijing, China.
- [Low et al., 2014] Low, W.; Weerdt, J. D.; Wynn, M.; ter Hofstede, A.; van der Aalst, W.; and vanden Broucke, S. (2014). "Perturbing Event Logs to Identify Cost Reduction Opportunities: A Genetic Algorithm-Based Approach". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2428–2435, Beijing, China.
- [Luo et al., 2014a] Luo, C.; Shimoyama, K.; and Obayashi, S. (2014a). "Kriging Model Based Many-Objective Optimization with Efficient Calculation of Expected Hypervolume Improvement". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1187–1194, Beijing, China.
- [Luo et al., 2014b] Luo, Y.; Huang, S.; and Hu, J. (2014b). "A Niching Two-Layered Differential Evolution with Self-Adaptive Control Parameters". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1405–1412, Beijing, China.
- [Ma et al., 2014a] Ma, A.; Zhong, Y.; and Zhang, L. (2014a). "Remote Sensing Imagery Clustering Using an Adaptive Bi-Objective Memetic Method". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 50–57, Beijing, China.
- [Ma et al., 2014b] Ma, J.; Lei, Y.; Wang, Z.; and Jiao, L. (2014b). "A Memetic Algorithm Based on Immune Multi-Objective Optimization for Flexible Job-Shop Scheduling Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 58–65, Beijing, China.
- [Ma et al., 2014c] Ma, J.; Zhang, J.; Wang, W.; and Yao, J. (2014c). "Phase Transition Particle Swarm Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2531–2538, Beijing, China.
- [Ma et al., 2014d] Ma, W.; Zuo, Y.; Zeng, J.; Liang, S.; and Jiao, L. (2014d). "A Memetic Algorithm for Solving Flexible Job-Shop Scheduling Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 66–73, Beijing, China.
- [Madureira et al., 2014] Madureira, A.; Cunha, B.; and Pereira, I. (2014). "Cooperation Mechanism For Distributed Resource Scheduling Through Artificial Bee Colony Based Self-Organized Scheduling System". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 565–572, Beijing, China.



- [Mahdavi et al., 2014] Mahdavi, S.; Shiri, M. E.; and Rahnamayan, S. (2014). "Cooperative Co-Evolution with a New Decomposition Method for Large-Scale Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1285–1292, Beijing, China.
- [Maia et al., 2014] Maia, R.; de Castro, L.; and Caminhas, W. (2014). "Real-Parameter Optimization with OptBees". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2649–2655, Beijing, China.
- [Malan and Engelbrecht, 2014] Malan, K. and Engelbrecht, A. (2014). "A Progressive Random Walk Algorithm for Sampling Continuous Fitness Landscapes". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2507–2514, Beijing, China.
- [Mallipeddi et al., 2014] Mallipeddi, R.; Wu, G.; Lee, M.; and Nagaratnam, S. P. (2014). "Gaussian Adaptation Based Parameter Adaptation for Differential Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1760–1767, Beijing, China.
- [Manfrini et al., 2014] Manfrini, F.; Barbosa, H.; and Bernadino, H. (2014). "Optimization of Combinational Logic Circuits Through Decomposition of Truth Table and Evolution of Sub-Circuits". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 945–950, Beijing, China.
- [Marchetti et al., 2014] Marchetti, L.; Manca, V.; and Zelinka, I. (2014). "On the Inference of Deterministic Chaos: Evolutionary Algorithm and Metabolic P System Approaches". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1483–1489, Beijing, China.
- [Mario et al., 2014] Mario, E. D.; Navarro, I.; and Martinoli, A. (2014). "Analysis of Fitness Noise in Particle Swarm Optimization: From Robotic Learning to Benchmark Functions". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2785–2792, Beijing, China.
- [Martinez and Coello, 2014] Martinez, S. Z. and Coello, C. A. C. (2014). "A Multi-Objective Evolutionary Algorithm Based on Decomposition for Constrained Multi-Objective Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 429–436, Beijing, China.
- [Martins et al., 2014] Martins, L.; Nobre, R.; Delbem, A.; Marques, E.; and Cardoso, J. (2014). "A Clustering-Based Approach for Exploring Sequences of Compiler Optimizations". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2436–2443, Beijing, China.
- [Masi and Vasile, 2014] Masi, L. and Vasile, M. (2014). "A Multidirectional Physarum Solver for the Automated Design of Space Trajectories". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2992–2999, Beijing, China.
- [Masuda et al., 2014] Masuda, H.; Nojima, Y.; and Ishibuchi, H. (2014). "Visual Examination of the Behavior of EMO Algorithms for Many-Objective Optimization with Many Decision Variables". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2633–2640, Beijing, China.
- [Matei et al., 2014] Matei, O.; Contrás, D.; and Pop, P. (2014). "Applying Evolutionary Computation for Evolving Ontologies". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1520–1527, Beijing, China.
- [Mauser et al., 2014] Mauser, I.; Dorscheid, M.; Allering, F.; and Schmeck, H. (2014). "Encodings for Evolutionary Algorithms in Smart Buildings with Energy Management Systems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2361–2366, Beijing, China.

- [Mavrovouniotis and Yang, 2014a] Mavrovouniotis, M. and Yang, S. (2014a). "Elitism-Based Immigrants for Ant Colony Optimization in Dynamic Environments: Adapting the Replacement Rate". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1752–1759, Beijing, China.
- [Mavrovouniotis and Yang, 2014b] Mavrovouniotis, M. and Yang, S. (2014b). "Interactive and Non-Interactive Hybrid Immigrants Schemes for Ant Algorithms in Dynamic Environments". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1542–1549, Beijing, China.
- [Mayo and Sun, 2014] Mayo, M. and Sun, Q. (2014). "Evolving Artificial Datasets to Improve Interpretable Classifiers". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2367–2374, Beijing, China.
- [McNabb and Seppi, 2014] McNabb, A. and Seppi, K. (2014). "Serial PSO Results are Irrelevant in a Multi-Core Parallel World". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3143–3150, Beijing, China.
- [Mei et al., 2014] Mei, Y.; Li, X.; and Yao, X. (2014). "Variable Neighborhood Decomposition for Large Scale Capacitated Arc Routing Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1313–1320, Beijing, China.
- [Menchaca-Mendez and Coello, 2014] Menchaca-Mendez, A. and Coello, C. A. C. (2014). "MD-MOEA : A New MOEA Based on the Maximin Fitness Function and Euclidean Distances between Solutions". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2148–2155, Beijing, China.
- [Menendez et al., 2014a] Menendez, H. D.; Barrero, D. F.; and Camacho, D. (2014a). "A Co-Evolutionary Multi-Objective Approach for a K-Adaptive Graph-Based Clustering Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2724–2731, Beijing, China.
- [Menendez et al., 2014b] Menendez, H. D.; Plaza, L.; and Camacho, D. (2014b). "Combining Graph Connectivity and Genetic Clustering to Improve Biomedical Summarization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2740–2747, Beijing, China.
- [Menezes et al., 2014] Menezes, M.; Goldbarg, M.; and Goldbarg, E. (2014). "A Memetic Algorithm for the Prize Collecting Traveling Car Renter Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3258–3265, Beijing, China.
- [Mesa et al., 2014] Mesa, E.; Velasquez, J. D.; and Jaramillo, P. (2014). "A New Self-Adaptive PSO Based on the Identification of Planar Regions". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1937–1943, Beijing, China.
- [Metlicka and Davendra, 2014] Metlicka, M. and Davendra, D. (2014). "Chaos-Driven Discrete Artificial Bee Colony". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2947–2954, Beijing, China.
- [ming Cheung and Gu, 2014] ming Cheung, Y. and Gu, F. (2014). "Online Objective Reduction for Many-Objective Optimization Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1165–1171, Beijing, China.
- [Minisci and Vasile, 2014] Minisci, E. and Vasile, M. (2014). "Adaptive Inflationary Differential Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1792–1799, Beijing, China.
- [Mohammadi et al., 2014] Mohammadi, A.; Omidvar, M. N.; Li, X.; and Deb, K. (2014). "Integrating User Preferences and Decomposition Methods for Many-Objective Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 421–428, Beijing, China.

- [Molina et al., 2014] Molina, D.; Lacroix, B.; and Herrera, F. (2014). "Influence of Regions on the Memetic Algorithm for the Special Session on Real-Parameter Single Objective Optimisation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1633–1640, Beijing, China.
- [Montgomery et al., 2014] Montgomery, J.; Chen, S.; and Gonzalez-Fernandez, Y. (2014). "Identifying and Exploiting the Scale of a Search Space in Differential Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1427–1434, Beijing, China.
- [Moshaiov and Abramovich, 2014] Moshaiov, A. and Abramovich, O. (2014). "Is MO-CMA-ES Superior to NSGA-II for the Evolution of Multi-Objective Neuro-Controllers?". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2809–2816, Beijing, China.
- [Moshaiov and Tal, 2014] Moshaiov, A. and Tal, A. (2014). "Family Bootstrapping: A Genetic Transfer Learning Approach for Onsetting the Evolution for a Set of Related Robotic Tasks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2801–2808, Beijing, China.
- [Mu et al., 2014a] Mu, C.; Xie, J.; Liu, R.; and Jiao, L. (2014a). "A Memetic Algorithm Using Local Structural Information for Detecting Community Structure in Complex Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 680–686, Beijing, China.
- [Mu et al., 2014b] Mu, C.; Zhang, J.; and Jiao, L. (2014b). "An Intelligent Ant Colony Optimization for Community Detection in Complex Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 700–706, Beijing, China.
- [Naqvi et al., 2014] Naqvi, S. S.; Browne, W. N.; and Hollitt, C. (2014). "Genetic Algorithms Based Feature Combination for Salient Object Detection, for Autonomously Identified Image Domain Types". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 109–116, Beijing, China.
- [Nguyen et al., 2014a] Nguyen, B. H.; Xue, B.; Liu, I.; and Zhang, M. (2014a). "Filter Based Backward Elimination in Wrapper Based PSO for Feature Selection in Classification". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3111–3118, Beijing, China.
- [Nguyen et al., 2014b] Nguyen, S.; Zhang, M.; and Johnston, M. (2014b). "A Sequential Genetic Programming Method to Learn Forward Construction Heuristics for Order Acceptance and Scheduling". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1824–1831, Beijing, China.
- [Nguyen et al., 2014c] Nguyen, T.; Nguyen, K.; and Thawonmas, R. (2014c). "Integrating Fuzzy Integral and Heuristic Search for Unit Micromanagement in RTS Games". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 9–12, Beijing, China.
- [Nguyen et al., 2014d] Nguyen, T. T.; Liew, A. W.-C.; Tran, M. T.; Pham, X. C.; and Nguyen, M. P. (2014d). "A Novel Genetic Algorithm Approach for Simultaneous Feature and Classifier Selection in Multi Classifier System". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1698–1705, Beijing, China.
- [Ni et al., 2014] Ni, Q.; Cao, C.; and Yin, X. (2014). "A New Dynamic Probabilistic Particle Swarm Optimization with Dynamic Random Population Topology". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1321–1327, Beijing, China.
- [Nishiyama and Iba, 2014] Nishiyama, M. and Iba, H. (2014). "Applying Conversion Matrix to Robots for Imitating Motion Using Genetic Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 938–944, Beijing, China.

- [Niu and Bi, 2014] Niu, B. and Bi, Y. (2014). "Binary Bacterial Foraging Optimization for Solving 0/1 Knapsack Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 647–652, Beijing, China.
- [Niu et al., 2014] Niu, B.; Xie, T.; Duan, Q.; and Tan, L. (2014). "Particle Swarm Optimization for Integrated Yard Truck Scheduling and Storage Allocation Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 634–639, Beijing, China.
- [Nobile et al., 2014] Nobile, M. S.; Citrolo, A. G.; Cazzaniga, P.; Besozzi, D.; and Mauri, G. (2014). "A Memetic Hybrid Method for the Molecular Distance Geometry Problem with Incomplete Information". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1014–1021, Beijing, China.
- [Oh and Jin, 2014] Oh, H. and Jin, Y. (2014). "Evolving Hierarchical Gene Regulatory Networks for Morphogenetic Pattern Formation of Swarm Robotics". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 776–783, Beijing, China.
- [Omidvar et al., 2014] Omidvar, M. N.; Mei, Y.; and Li, X. (2014). "Effective Decomposition of Large-Scale Separable Continuous Functions for Cooperative Co-Evolutionary Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1305–1312, Beijing, China.
- [O'Neill et al., 2014] O'Neill, M.; Nicolau, M.; and Agapitos, A. (2014). "Experiments in Program Synthesis with Grammatical Evolution: A Focus on Integer Sorting". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1504–1511, Beijing, China.
- [Pandiyani, 2014] Pandiyani, M. (2014). "Soft Computing Techniques Based Optimal Tuning of Virtual Feedback PID Controller for Chemical Tank Reactor". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1922–1928, Beijing, China.
- [Pang and Coghill, 2014] Pang, W. and Coghill, G. (2014). "An Immune Network Approach to Learning Qualitative Models of Biological Pathways". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1030–1037, Beijing, China.
- [Pascoal et al., 2014] Pascoal, L. M. L.; Camilo-Junior, C. G.; Silva, E. Q.; and Rosa, T. C. (2014). "A Social-Evolutionary Approach to Compose a Similarity Function Used on Event Recommendation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1512–1519, Beijing, China.
- [Pat, 2014] Pat, A. (2014). "Ant Colony Optimization and Hypergraph Covering Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1714–1720, Beijing, China.
- [Peng et al., 2014a] Peng, X.; Lei, X.; and Liu, K. (2014a). "Compensate Information from Multimodal Dynamic Landscapes: An Anti-Pathology Cooperative Coevolutionary Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2578–2584, Beijing, China.
- [Peng et al., 2014b] Peng, Z.; Zheng, J.; and Zou, J. (2014b). "A Population Diversity Maintaining Strategy Based on Dynamic Environment Evolutionary Model for Dynamic Multiobjective Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 274–281, Beijing, China.
- [Pereira et al., 2014] Pereira, M.; Roisenberg, M.; and Neto, G. (2014). "A Topological Niching Covariance Matrix Adaptation for Multimodal Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2562–2569, Beijing, China.

- [Perez et al., 2014] Perez, D.; Powley, E.; Whitehouse, D.; Samothrakis, S.; Lucas, S.; and Cowling, P. (2014). "The 2013 Multi-Objective Physical Travelling Salesman Problem Competition". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2314–2321, Beijing, China.
- [Peterson, 2014] Peterson, L. (2014). "Evolutionary Algorithms Applied to Likelihood Function Maximization During Poisson, Logistic, and Cox Proportional Hazards Regression Analysis". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1054–1061, Beijing, China.
- [Philippe et al., 2014] Philippe, P.; Remi, M.; and Michal, V. (2014). "Bandits Attack Function Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2245–2252, Beijing, China.
- [Pilat and Neruda, 2014] Pilat, M. and Neruda, R. (2014). "The Effect of Different Local Search Algorithms on the Performance of Multi-Objective Optimizers". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2172–2179, Beijing, China.
- [Plagianakos, 2014] Plagianakos, V. (2014). "Unsupervised Clustering and Multi-Optima Evolutionary Search". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2383–2390, Beijing, China.
- [Polakova et al., 2014] Polakova, R.; Tvrdik, J.; and Bujok, P. (2014). "Controlled Restart in Differential Evolution Applied to CEC2014 Benchmark Functions". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2230–2236, Beijing, China.
- [Poole et al., 2014a] Poole, D.; Allen, C.; and Rendall, T. (2014a). "Analysis of Constraint Handling Methods for the Gravitational Search Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2005–2012, Beijing, China.
- [Poole et al., 2014b] Poole, D.; Allen, C.; and Rendall, T. (2014b). "Constraint Handling in Agent-Based Optimization by Independent Sub-Swarms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 998–1005, Beijing, China.
- [Pop and Chira, 2014] Pop, P. and Chira, C. (2014). "A Hybrid Approach Based on Genetic Algorithms for Solving the Clustered Vehicle Routing Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1421–1426, Beijing, China.
- [Poursoltan and Neumann, 2014] Poursoltan, S. and Neumann, F. (2014). "A Feature-Based Analysis on the Impact of Linear Constraints for e-Constrained Differential Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3088–3095, Beijing, China.
- [Pretorius et al., 2014] Pretorius, C.; du Plessis, M.; and Gonsalves, J. (2014). "A Comparison of Neural Networks and Physics Models as Motion Simulators for Simple Robotic Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2793–2800, Beijing, China.
- [Purshouse et al., 2014] Purshouse, R. C.; Deb, K.; Mansor, M. M.; Mostaghim, S.; and Wang, R. (2014). "A Review of Hybrid Evolutionary Multiple Criteria Decision Making Methods". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1147–1154, Beijing, China.
- [Qian et al., 2014] Qian, X.; Huang, M.; Gao, T.; and Wang, X. (2014). "An Improved Ant Colony Algorithm for Winner Determination in Multi-Attribute Combinatorial Reverse Auction". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1917–1921, Beijing, China.

- [Qin et al., 2014] Qin, A. K.; Tang, K.; Pan, H.; and Xia, S. (2014). "Self-Adaptive Differential Evolution with Local Search Chains for Real-Parameter Single-Objective Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 467–474, Beijing, China.
- [Qiu et al., 2014] Qiu, X.; Xu, J.; and Tan, K. C. (2014). "A Novel Differential Evolution (DE) Algorithm for Multi-Objective Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2391–2396, Beijing, China.
- [R., 2014] R., R. B. (2014). "Lion Algorithm for Standard and Large Scale Bilinear System Identification: A Global Optimization Based on Lion's Social Behavior". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2116–2123, Beijing, China.
- [Rahman et al., 2014] Rahman, H. F.; Sarker, R.; Essam, D.; and Chang, G. (2014). "A Memetic Algorithm for Solving Permutation Flow Shop Problems with Known and Unknown Machine Breakdowns". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 42–49, Beijing, China.
- [Rahnamayan et al., 2014] Rahnamayan, S.; Jesuthasan, J.; Bourennani, F.; Salehinejad, H.; and Naterer, G. F. (2014). "Computing Opposition by Involving Entire Population". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1800–1807, Beijing, China.
- [Rakshit et al., 2014] Rakshit, P.; Konar, A.; and Nagar, A. (2014). "Artificial Bee Colony Induced Multi-Objective Optimization in Presence of Noise". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3176–3183, Beijing, China.
- [Reid et al., 2014] Reid, S.; Malan, K.; and Engelbrecht, A. (2014). "Carry Trade Portfolio Optimization using Particle Swarm Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3051–3058, Beijing, China.
- [Reps et al., 2014] Reps, J.; Aickelin, U.; and Garibaldi, J. (2014). "Tuning a Multiple Classifier System for Side Effect Discovery Using Genetic Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 910–917, Beijing, China.
- [reza Bonyadi and Michalewicz, 2014] reza Bonyadi, M. and Michalewicz, Z. (2014). "On the Edge of Feasibility: A Case Study of the Particle Swarm Optimizer". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3059–3066, Beijing, China.
- [Richter, 2014] Richter, H. (2014). "Codynamic Fitness Landscapes of Coevolutionary Minimal Substrates". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2692–2699, Beijing, China.
- [Rosales-Perez et al., 2014] Rosales-Perez, A.; Escalante, H. J.; Coello, C. A. C.; Gonzalez, J. A.; and Reyes-Garcia, C. A. (2014). "An Evolutionary Multi-Objective Approach for Prototype Generation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1100–1107, Beijing, China.
- [Ruello et al., 2014] Ruello, M.; Grimaccia, F.; Mussetta, M.; and Zich, R. E. (2014). "Black-Hole PSO and SNO for Electromagnetic Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1912–1916, Beijing, China.
- [Runkler and Bezdek, 2014] Runkler, T. and Bezdek, J. (2014). "Multidimensional Scaling with Multiswarming". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2940–2946, Beijing, China.
- [Sabar and Kendall, 2014a] Sabar, N. R. and Kendall, G. (2014a). "Aircraft Landing Problem Using Hybrid Differential Evolution and Simple Descent Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 520–527, Beijing, China.

- [Sabar and Kendall, 2014b] Sabar, N. R. and Kendall, G. (2014b). "Using Harmony Search with Multiple Pitch Adjustment Operators for the Portfolio Selection Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 499–503, Beijing, China.
- [Salehinejad et al., 2014a] Salehinejad, H.; Rahnamayan, S.; and Tizhoosh, H. R. (2014a). "Micro-Differential Evolution with Vectorized Random Mutation Factor". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2055–2062, Beijing, China.
- [Salehinejad et al., 2014b] Salehinejad, H.; Rahnamayan, S.; and Tizhoosh, H. R. (2014b). "Toward Using Type-II Opposition in Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1768–1775, Beijing, China.
- [Santu et al., 2014] Santu, S. K. K.; Rahman, M. M.; Islam, M. M.; and Murase, K. (2014). "Towards Better Generalization in Pittsburgh Learning Classifier Systems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1666–1673, Beijing, China.
- [Sayed et al., 2014] Sayed, E.; Essam, D.; Sarker, R.; and Elsayed, S. (2014). "A Decomposition-Based Algorithm for Dynamic Economic Dispatch Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1898–1905, Beijing, China.
- [Scardapane et al., 2014] Scardapane, S.; Comminiello, D.; Scarpiniti, M.; and Uncini, A. (2014). "GP-Based Kernel Evolution for L2-Regularization Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1674–1681, Beijing, China.
- [Schaefer et al., 2014] Schaefer, G.; Krawczyk, B.; Doshi, N.; and Nakashima, T. (2014). "Cost-Sensitive Texture Classification". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 105–108, Beijing, China.
- [Scheepers and Engelbrecht, 2014] Scheepers, C. and Engelbrecht, A. (2014). "Competitive Coevolutionary Training of Simple Soccer Agents from Zero Knowledge". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1210–1217, Beijing, China.
- [Schlueter and Munetomo, 2014] Schlueter, M. and Munetomo, M. (2014). "Parallelization for Space Trajectory Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 832–839, Beijing, China.
- [Segredo et al., 2014] Segredo, E.; Segura, C.; and Leon, C. (2014). "Control of Numeric and Symbolic Parameters with a Hybrid Scheme Based on Fuzzy Logic and Hyper-heuristics". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1890–1897, Beijing, China.
- [Segura et al., 2014] Segura, C.; Coello, C. A. C.; Segredo, E.; and Leon, C. (2014). "An Analysis of the Automatic Adaptation of the Crossover Rate in Differential Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 459–466, Beijing, China.
- [Sekanina et al., 2014] Sekanina, L.; Ptak, O.; and Vasicsek, Z. (2014). "Cartesian Genetic Programming as Local Optimizer of Logic Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2901–2908, Beijing, China.
- [Sephton et al., 2014] Sephton, N.; Cowling, P.; Powley, E.; Whitehouse, D.; and Slaven, N. (2014). "Parallelization of Information Set Monte Carlo Tree Search". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2290–2297, Beijing, China.

- [Shan et al., 2014] Shan, H.; Yasuda, T.; and Ohkura, K. (2014). "A Levy Flight-Based Hybrid Artificial Bee Colony Algorithm for Solving Numerical Optimization Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2656–2663, Beijing, China.
- [Shang et al., 2014] Shang, R.; Zhang, K.; and Jiao, L. (2014). "A Novel Algorithm for Many-Objective Dimension Reductions: Pareto-PCA-NSGA-II". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1974–1981, Beijing, China.
- [Shang-Chia et al., 2014] Shang-Chia, W.; Wei-Chang, Y.; and Tso-Jung, Y. (2014). "Pareto Simplified Swarm Optimization for Grid-Computing Reliability and Service Makspan in Grid-RMS". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1593–1600, Beijing, China.
- [Shao et al., 2014] Shao, H.; Abielmona, R.; Falcon, R.; and Japkowicz, N. (2014). "Vessel Track Correlation and Association Using Fuzzy Logic and Echo State Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2322–2329, Beijing, China.
- [Shi et al., 2014] Shi, Z.; Peng, Y.; and Wei, W. (2014). "Optimal Sizing of DGs and Storage for Microgrid with Interruptible Load Using Improved NSGA-II". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2108–2115, Beijing, China.
- [Shuai et al., 2014] Shuai, L.; Wang, Z.; and Gong, T. (2014). "Simulating the Coevolution of Language and Long-Term Memory". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1374–1381, Beijing, China.
- [Si et al., 2014] Si, C.; Shen, J.; Zou, X.; Wang, L.; and Wu, Q. (2014). "Mapping Constrained Optimization Problems to Penalty Parameters: An Empirical Study". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3073–3079, Beijing, China.
- [Silva et al., 2014] Silva, E. Q.; Camilo-Junior, C. G.; Pascoal, L. M. L.; and Rosa, T. C. (2014). "An Evolutionary Approach for Combining Results of Recommender Systems Techniques Based on Collaborative Filtering". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 959–966, Beijing, China.
- [Singh et al., 2014a] Singh, H.; Asafuddoula, M.; and Ray, T. (2014a). "Solving Problems with a Mix of Hard and Soft Constraints Using Modified Infeasibility Driven Evolutionary Algorithm (IDEA-M)". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 983–990, Beijing, China.
- [Singh et al., 2014b] Singh, H.; Isaacs, A.; and Ray, T. (2014b). "A Hybrid Surrogate Based Algorithm (HSBA) to Solve Computationally Expensive Optimization Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1069–1075, Beijing, China.
- [Singh et al., 2014c] Singh, P.; Couckuyt, I.; Ferranti, F.; and Dhaene, T. (2014c). "A Constrained Multi-Objective Surrogate-Based Optimization Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3080–3087, Beijing, China.
- [Sinha et al., 2014] Sinha, A.; Malo, P.; and Deb, K. (2014). "An Improved Bilevel Evolutionary Algorithm Based on Quadratic Approximations". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1870–1877, Beijing, China.
- [Smith et al., 2014] Smith, C.; Doherty, J.; and Jin, Y. (2014). "Multi-Objective Evolutionary Recurrent Neural Network Ensemble for Prediction of Computational Fluid Dynamic Simulations". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2609–2616, Beijing, China.



- [Smullen et al., 2014] Smullen, D.; Gillett, J.; Heron, J.; and Rahnamayan, S. (2014). "Genetic Algorithm with Self-Adaptive Mutation Controlled by Chromosome Similarity". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 504–511, Beijing, China.
- [Soncco-Alvarez and Ayala-Rincon, 2014] Soncco-Alvarez, J. L. and Ayala-Rincon, M. (2014). "Memetic Algorithm for Sorting Unsigned Permutations by Reversals". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2770–2777, Beijing, China.
- [Song et al., 2014] Song, X.; Ji, J.; Yang, C.; and Zhang, X. (2014). "Ant Colony Clustering Based on Sampling for Community Detection". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 687–692, Beijing, China.
- [Souza et al., 2014a] Souza, L.; Prudencio, R.; and Barros, F. (2014a). "A Comparison Study of Binary Multi-Objective Particle Swarm Optimization Approaches for Test Case Selection". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2164–2171, Beijing, China.
- [Souza et al., 2014b] Souza, T.; Goldberg, E.; and Goldberg, M. (2014b). "An Experimental Analysis of Evolutionary Algorithms for the Three-Objective Oil Derivatives Distribution Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1982–1989, Beijing, China.
- [St-Pierre and Liu, 2014] St-Pierre, D. L. and Liu, J. (2014). "Differential Evolution Algorithm Applied to Non-Stationary Bandit Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2397–2403, Beijing, China.
- [Stanley et al., 2014] Stanley, S.; Palazzolo, T.; and Warnke, D. (2014). "Analyzing Prehistoric Hunter Behavior with Cultural Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2196–2205, Beijing, China.
- [Su and Yu, 2014] Su, Y.-E. and Yu, T.-L. (2014). "Use Model Building on Discretization Algorithms for Discrete EDAs to Work on Real-Valued Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2491–2498, Beijing, China.
- [Sudo et al., 2014] Sudo, T.; Nojima, Y.; and Ishibuchi, H. (2014). "Effects of Ensemble Action Selection on the Evolution of Iterated Prisoner's Dilemma Game Strategies". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1195–1201, Beijing, China.
- [Suzuki et al., 2014] Suzuki, M.; Tsuruta, S.; Knauf, R.; and Sakurai, Y. (2014). "Knowledge Acquisition Issues for Intelligent Route Optimization by Evolutionary Computation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3252–3257, Beijing, China.
- [Tamura and Yasuda, 2014] Tamura, K. and Yasuda, K. (2014). "Primary Study on Feedback Controlled Differential Evolution". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 371–378, Beijing, China.
- [Tanabe and Fukunaga, 2014] Tanabe, R. and Fukunaga, A. (2014). "Improving the Search Performance of SHADE Using Linear Population Size Reduction". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1658–1665, Beijing, China.
- [Tang and Abbass, 2014] Tang, J. and Abbass, H. A. (2014). "Behavioral Learning of Aircraft Landing Sequencing Using a Society of Probabilistic Finite State Machines". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 610–617, Beijing, China.

- [Thanh et al., 2014] Thanh, B. H. T.; Van, L. T.; Xuan, H. N.; Duc, A. N.; and Manh, T. P. (2014). "Reordering Dimensions for Radial Visualization of Multidimensional Data - A Genetic Algorithms Approach". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 951–958, Beijing, China.
- [Thompson and Congdon, 2014] Thompson, J. A. and Congdon, C. B. (2014). "GAMI-CRM: Using De Novo Motif Inference to Detect Cis-Regulatory Modules". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1022–1029, Beijing, China.
- [Triguero et al., 2014] Triguero, I.; Peralta, D.; Bacardit, J.; Garcia, S.; and Herrera, F. (2014). "A Combined MapReduce-Windowing Two-Level Parallel Scheme for Evolutionary Prototype Generation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3036–3043, Beijing, China.
- [Tsai et al., 2014a] Tsai, P.-C.; Chen, C.-M.; and ping Chen, Y. (2014a). "A Novel Evaluation Function for LT Codes Degree Distribution Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3030–3035, Beijing, China.
- [Tsai et al., 2014b] Tsai, P.-C.; Chen, C.-M.; and ping Chen, Y. (2014b). "PSO-Based Evacuation Simulation Framework". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1944–1950, Beijing, China.
- [Tsang, 2014] Tsang, J. (2014). "The Structure of a Probabilistic 2-State Finite Transducer Representation for Prisoner's Dilemma". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1202–1209, Beijing, China.
- [Tung et al., 2014] Tung, H.-Y.; Ma, W.-C.; and Yu, T.-L. (2014). "Novel Traffic Signal Timing Adjustment Strategy Based on Genetic Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2353–2360, Beijing, China.
- [Turky and Abdullah, 2014] Turky, A. and Abdullah, S. (2014). "Using Electromagnetic Algorithm for Tuning the Structure and Parameters of Neural Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 326–331, Beijing, China.
- [Vafaei et al., 2014] Vafaei, F.; Turan, G.; Nelson, P.; and Berger-Wolf, T. (2014). "Balancing the Exploration and Exploitation in an Adaptive Diversity Guided Genetic Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2570–2577, Beijing, China.
- [Valsecchi et al., 2014] Valsecchi, A.; Mesejo, P.; Marrakchi-Kacem, L.; Cagnoni, S.; and Damas, S. (2014). "Automatic Evolutionary Medical Image Segmentation Using Deformable Models". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 97–104, Beijing, China.
- [vanden Broucke et al., 2014] vanden Broucke, S.; Vanthienen, J.; and Baesens, B. (2014). "Declarative Process Discovery with Evolutionary Computing". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2412–2419, Beijing, China.
- [Varela et al., 2014] Varela, G.; Caamano, P.; Orjales, F.; Deibe, A.; Lopez-Pena, F.; and Duro, R. (2014). "Differential Evolution in Constrained Sampling Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2375–2382, Beijing, China.
- [Viegas et al., 2014] Viegas, J.; Vieira, S.; Sousa, J.; and Henriques, E. (2014). "Metaheuristics for the 3D Bin Packing Problem in the Steel Industry". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 338–343, Beijing, China.
- [Wagner, 2014] Wagner, M. (2014). "Maximising Axiomatization Coverage and Minimizing Regression Testing Time". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2885–2892, Beijing, China.

- [Wagner and Neumann, 2014] Wagner, M. and Neumann, F. (2014). "Single- and Multi-Objective Genetic Programming: New Runtime Results for SORTING". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 125–132, Beijing, China.
- [Wang et al., 2014a] Wang, B.; Xu, H.; and Yuan, Y. (2014a). "Quantum-Inspired Evolutionary Algorithm with Linkage Learning". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2467–2474, Beijing, China.
- [Wang et al., 2014b] Wang, F.; Gao, Y.; and Zhu, Z. (2014b). "Locality-Sensitive Hashing Based Multiobjective Memetic Algorithm for Dynamic Pickup and Delivery Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 661–666, Beijing, China.
- [Wang et al., 2014c] Wang, L.; Yang, B.; Li, Y.; and Zhang, N. (2014c). "A Novel Improvement of Particle Swarm Optimization Using Dual Factors Strategy". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 183–189, Beijing, China.
- [Wang et al., 2014d] Wang, Q.; Li, H.; Gong, M.; Su, L.; and Jiao, L. (2014d). "A Multiobjective Optimization Method Based on MOEA/D and Fuzzy Clustering for Change Detection in SAR Images". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3024–3029, Beijing, China.
- [Wang et al., 2014e] Wang, S.; Gain, J.; and Nitschke, G. (2014e). "Comparing Crossover Operators in Neuro-Evolution with Crowd Simulations". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2298–2305, Beijing, China.
- [Wang et al., 2014f] Wang, S.; Gong, M.; Ma, L.; Cai, Q.; and Jiao, L. (2014f). "Decomposition Based Multiobjective Evolutionary Algorithm for Collaborative Filtering Recommender Systems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 672–679, Beijing, China.
- [Wang et al., 2014g] Wang, S.; Zuo, X.; and Zhao, X. (2014g). "Solving Dynamic Double-Row Layout Problem via an Improved Simulated Annealing Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1299–1304, Beijing, China.
- [Wang et al., 2014h] Wang, S.-M.; Tung, Y.-F.; and Yu, T.-L. (2014h). "Investigation on Efficiency of Optimal Mixing on Various Linkage Sets". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2475–2482, Beijing, China.
- [Wang et al., 2014i] Wang, X.; Liu, X.; Japkowicz, N.; and Matwin, S. (2014i). "Automatic Target Recognition Using Multiple-Aspect Sonar Images". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2330–2337, Beijing, China.
- [Wang and Yin, 2014] Wang, Y. and Yin, J. (2014). "Intelligent Search Optimized Edge Potential Function (EPF) Approach to Synthetic Aperture Radar (SAR) Scene Matching". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2124–2131, Beijing, China.
- [Wang et al., 2014j] Wang, Z.; Gong, M.; Cai, Q.; Ma, L.; and Jiao, L. (2014j). "Deployment Optimization of Near Space Airships Based on MOEA/D with Local Search". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2345–2352, Beijing, China.
- [Wang et al., 2014k] Wang, Z.; Zhang, Q.; Gong, M.; and Zhou, A. (2014k). "A Replacement Strategy for Balancing Convergence and Diversity in MOEA/D". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2132–2139, Beijing, China.

- [Watanabe et al., 2014a] Watanabe, S.; Chiba, Y.; and Kanazaki, M. (2014a). "A Proposal on Analysis Support System Based on Association Rule Analysis for Non-Dominated Solutions". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 880–887, Beijing, China.
- [Watanabe et al., 2014b] Watanabe, T.; Tatsukawa, T.; Jaimes, A. L.; Aono, H.; Nonomura, T.; Oyama, A.; and Fujii, K. (2014b). "Many-Objective Evolutionary Computation for Optimization of Separated-Flow Control Using a DBD Plasma Actuator". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2849–2854, Beijing, China.
- [Wei et al., 2014] Wei, F.; Wang, Y.; and Zong, T. (2014). "Variable Grouping Based Differential Evolution Using an Auxiliary Function for Large Scale Global Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1293–1298, Beijing, China.
- [Wei and Dinneen, 2014a] Wei, K. and Dinneen, M. J. (2014a). "Hybridizing the Dynamic Mutation Approach with Local Searches to Overcome Local Optima". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 74–81, Beijing, China.
- [Wei and Dinneen, 2014b] Wei, K. and Dinneen, M. J. (2014b). "Runtime Comparison of Two Fitness Functions on a Memetic Algorithm for the Clique Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 133–140, Beijing, China.
- [wei Zheng et al., 2014] wei Zheng, X.; jie Lu, D.; and hua Chen, Z. (2014). "A Self-Adaptive Group Search Optimizer with Elitist Strategy". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2033–2039, Beijing, China.
- [Weise et al., 2014] Weise, T.; Wan, M.; Tang, K.; and Yao, X. (2014). "Evolving Exact Integer Algorithms with Genetic Programming". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1816–1823, Beijing, China.
- [Weiszer et al., 2014] Weiszer, M.; Chen, J.; Ravizza, S.; Atkin, J.; and Stewart, P. (2014). "A Heuristic Approach to Greener Airport Ground Movement". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3280–3286, Beijing, China.
- [Wesolkowski et al., 2014] Wesolkowski, S.; Francetic, N.; and Grant, S. (2014). "TraDE: Training Device Selection Via Multi-Objective Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2617–2624, Beijing, China.
- [Wong et al., 2014] Wong, P.-K.; Lo, L.-Y.; Wong, M.-L.; and Leung, K.-S. (2014). "Grammar Based Genetic Programming with Bayesian Network". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 739–746, Beijing, China.
- [Wu et al., 2014a] Wu, C.-L.; Liu, C.-H.; and Ting, C.-K. (2014a). "A Novel Genetic Algorithm Considering Measures and Phrases for Generating Melody". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2101–2107, Beijing, China.
- [Wu et al., 2014b] Wu, C.-W.; Chiang, T.-C.; and Fu, L.-C. (2014b). "An Ant Colony Optimization Algorithm for Multi-Objective Clustering in Mobile Ad Hoc Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2963–2968, Beijing, China.
- [Wu et al., 2014c] Wu, H.; Zhang, F.; and Wu, L. (2014c). "An Uncultivated Wolf Pack Algorithm for High-Dimensional Functions and Its Application in Parameters Optimization of PID Controller". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1477–1482, Beijing, China.
- [Wu et al., 2014d] Wu, J.; Yuan, L.; Gong, Q.; Ma, W.; Ma, J.; and Li, Y. (2014d). "A Compression Optimization Algorithm for Community Detection". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 667–671, Beijing, China.

- [Wu et al., 2014e] Wu, M.; Karkar, A.; Liu, B.; Yakovlev, A.; and Gielen, G. (2014e). "Network on Chip Optimization Based on Surrogate Model Assisted Evolutionary Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3266–3271, Beijing, China.
- [Wu et al., 2014f] Wu, N.; Zhu, Z.; and Ji, Z. (2014f). "A Growing Partitional Clustering Based on Particle Swarm Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 229–234, Beijing, China.
- [Wu and Liu, 2014] Wu, S.-Y. and Liu, J.-S. (2014). "Evolutionary Path Planning of a Data Mule in Wireless Sensor Network by Using Shortcuts". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2708–2715, Beijing, China.
- [Wu and Kolonko, 2014] Wu, Z. and Kolonko, M. (2014). "Absorption in Model-Based Search Algorithms for Combinatorial Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1744–1751, Beijing, China.
- [Xiang et al., 2014] Xiang, T.; Zhang, W.; and Chen, F. (2014). "A Verifiable PSO Algorithm in Cloud Computing". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 190–193, Beijing, China.
- [Xiao et al., 2014] Xiao, Y.; Trefzer, M.; Walker, J.; Bale, S.; and Tyrrell, A. (2014). "Two Step Evolution Strategy for Device Motif BSIM Model Parameter Extraction". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2877–2884, Beijing, China.
- [Xie and Shang, 2014] Xie, C. and Shang, L. (2014). "Anomaly Detection in Crowded Scenes Using Genetic Programming". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1832–1839, Beijing, China.
- [Xie et al., 2014a] Xie, F.; Song, A.; and Ciesielski, V. (2014a). "Genetic Programming Based Activity Recognition on a Smartphone Sensory Data Benchmark". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2917–2924, Beijing, China.
- [Xie et al., 2014b] Xie, J.; Mei, Y.; Ernst, A.; Li, X.; and Song, A. (2014b). "A Genetic Programming-Based Hyper-heuristic Approach for Storage Location Assignment Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3000–3007, Beijing, China.
- [Xu et al., 2014a] Xu, C.; Huang, H.; and Ye, S. (2014a). "A Differential Evolution with Replacement Strategy for Real-Parameter Numerical Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1617–1624, Beijing, China.
- [Xu et al., 2014b] Xu, J.; Xi, X.; and Wang, S. (2014b). "Optimization Based on Adaptive Hinging Hyperplanes and Genetic Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2040–2046, Beijing, China.
- [Xu et al., 2014c] Xu, X.; Lu, L.; He, P.; Ding, J.; and Ju, Y. (2014c). "Evolutionary Semi-Supervised Learning with Swarm Intelligence". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1343–1350, Beijing, China.
- [Xu and Tang, 2014] Xu, X. and Tang, M. (2014). "A New Grouping Genetic Algorithm for the MapReduce Placement Problem in Cloud Computing". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1601–1608, Beijing, China.
- [Xue et al., 2014] Xue, B.; Qin, A. K.; and Zhang, M. (2014). "An Archive Based Particle Swarm Optimisation for Feature Selection in Classification". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3119–3126, Beijing, China.
- [Yan and Jiao, 2014] Yan, P. and Jiao, M. (2014). "A Chaotic Particle Swarm Optimization Algorithm for the Jobshop Scheduling Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 218–222, Beijing, China.

- [Yang et al., 2014a] Yang, M.; Cai, Z.; Li, C.; and Guan, J. (2014a). "An Improved JADE Algorithm for Global Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 806–812, Beijing, China.
- [Yang et al., 2014b] Yang, M.; Li, R.; and Chu, T. (2014b). "A New Method and Application for Controlling the Steady-State Probability Distributions of Probabilistic Boolean Networks". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1490–1495, Beijing, China.
- [Yang et al., 2014c] Yang, P.; Tang, K.; and Lozano, J. A. (2014c). "Estimation of Distribution Algorithms Based Unmanned Aerial Vehicle Path Planner Using a New Coordinate". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1469–1476, Beijing, China.
- [Yang et al., 2014d] Yang, Z.; Li, K.; Foley, A.; and Zhang, C. (2014d). "A New Self-Learning TLBO Algorithm for RBF Neural Modelling of Batteries in Electric Vehicles". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2685–2691, Beijing, China.
- [Ye et al., 2014] Ye, S.; Dai, G.; and Peng, L. (2014). "A Hybrid Adaptive Coevolutionary Differential Evolution Algorithm for Large-Scale Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1277–1284, Beijing, China.
- [Yexing et al., 2014] Yexing, L.; Xinye, C.; Zhun, F.; and Qingfu, Z. (2014). "An External Archive Guided Multiobjective Evolutionary Approach Based on Decomposition for Continuous Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1124–1130, Beijing, China.
- [Yoshida and Yoshikawa, 2014] Yoshida, T. and Yoshikawa, T. (2014). "A Study on Non-Correspondence in Spread between Objective Space and Design Variable Space for Trajectory Designing Optimization Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2444–2450, Beijing, China.
- [Yu et al., 2014a] Yu, C.; Kelley, L.; Zheng, S.; and Tan, Y. (2014a). "Fireworks Algorithm with Differential Mutation for Solving the CEC 2014 Competition Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3238–3245, Beijing, China.
- [Yu and Liang, 2014] Yu, J.-C. and Liang, Z.-F. (2014). "Evolutionary Regional Network Modeling for Efficient Engineering Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1258–1264, Beijing, China.
- [Yu et al., 2014b] Yu, J. J.; Lam, A. Y.; and Li, V. O. (2014b). "Chemical Reaction Optimization for the Set Covering Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 512–519, Beijing, China.
- [Yu and Li, 2014] Yu, J. J. and Li, V. O. (2014). "Base Station Switching Problem for Green Cellular Networks with Social Spider Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2338–2344, Beijing, China.
- [Yu et al., 2014c] Yu, J. J.; Li, V. O.; and Lam, A. Y. (2014c). "An Inter-Molecular Adaptive Collision Scheme for Chemical Reaction Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1998–2004, Beijing, China.
- [Yu et al., 2014d] Yu, M.; Zuo, X.; and Murray, C. C. (2014d). "A Tabu Search Heuristic for the Single Row Layout Problem with Shared Clearances". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 819–825, Beijing, China.
- [Yu and Lu, 2014] Yu, W. and Lu, L. (2014). "A Route Planning Strategy for the Automatic Garment Cutter Based on Genetic Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 379–386, Beijing, China.

- [Yu et al., 2014e] Yu, Y.; Ma, H.; and Zhang, M. (2014e). "A Genetic Programming Approach to Distributed QoS-Aware Web Service Composition". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1840–1846, Beijing, China.
- [Yu and Qian, 2014] Yu, Y. and Qian, H. (2014). "The Sampling-and-Learning Framework: A Statistical View of Evolutionary Algorithms". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 149–158, Beijing, China.
- [yu Du et al., 2014] yu Du, M.; juan Lei, X.; and qiang Wu, Z. (2014). "A Simplified Glowworm Swarm Optimization Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2861–2868, Beijing, China.
- [yu Zheng et al., 2014] yu Zheng, H.; Wang, L.; and yao Wang, S. (2014). "A Co-Evolutionary Teaching-Learning-Based Optimization Algorithm for Stochastic RCPSP". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 587–594, Beijing, China.
- [Yuan et al., 2014] Yuan, Z.; Chen, Y.; and He, R. (2014). "Agile Earth Observing Satellites Mission Planning Using Genetic Algorithm Based on High Quality Initial Solutions". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 603–609, Beijing, China.
- [Yue et al., 2014] Yue, C.; Zexuan, Z.; and Zhen, J. (2014). "Feature Extraction Based on Trimmed Complex Network Representation for Metabolomic Data Classification". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 366–370, Beijing, China.
- [Yuen and Zhang, 2014] Yuen, S. Y. and Zhang, X. (2014). "Multiobjective Evolutionary Algorithm Portfolio: Choosing Suitable Algorithm for Multiobjective Optimization Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1967–1973, Beijing, China.
- [Yusoh and Tang, 2014] Yusoh, Z. M. and Tang, M. (2014). "Composite SaaS Scaling in Cloud Computing Using a Hybrid Genetic Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1609–1616, Beijing, China.
- [Yuwono et al., 2014] Yuwono, M.; Su, S. W.; Moulton, B. D.; Guo, Y.; and Nguyen, H. T. (2014). "An Algorithm for Scalable Clustering: Ensemble Rapid Centroid Estimation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1250–1257, Beijing, China.
- [Zan and Jaros, 2014] Zan, D. and Jaros, J. (2014). "Solving the Multidimensional Knapsack Problem Using a CUDA Accelerated PSO". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2933–2939, Beijing, China.
- [Zeng and Sun, 2014] Zeng, Y. and Sun, Y. (2014). "Comparison of Multiobjective Particle Swarm Optimization and Evolutionary Algorithms for Optimal Reactive Power Dispatch Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 258–265, Beijing, China.
- [Zhan and Zhang, 2014] Zhan, Z.-H. and Zhang, J. (2014). "Adaptive Particle Swarm Optimization with Variable Relocation for Dynamic Optimization Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1565–1570, Beijing, China.
- [Zhang et al., 2014a] Zhang, B.; hua Duan, J.; yan Sang, H.; qing Li, J.; and Yan, H. (2014a). "A New Penalty Function Method for Constrained Optimization Using Harmony Search Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 853–859, Beijing, China.

- [Zhang et al., 2014b] Zhang, B.; Shafi, K.; and Abbass, H. (2014b). "Online Knowledge-Based Evolutionary Multi-Objective Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2222–2229, Beijing, China.
- [Zhang et al., 2014c] Zhang, B.; Zhang, M.-X.; and Zheng, Y.-J. (2014c). "A Hybrid Biogeography-Based Optimization and Fireworks Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3200–3206, Beijing, China.
- [Zhang and Li, 2014] Zhang, G. and Li, Y. (2014). "Cooperative Particle Swarm Optimizer with Elimination Mechanism for Global Optimization of Multimodal Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 210–217, Beijing, China.
- [Zhang et al., 2014d] Zhang, H.; Song, S.; Zhou, A.; and Gao, X.-Z. (2014d). "A Clustering Based Multiobjective Evolutionary Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 723–730, Beijing, China.
- [Zhang and Maringer, 2014] Zhang, J. and Maringer, D. (2014). "Two Parameter Update Schemes for Recurrent Reinforcement Learning". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1449–1453, Beijing, China.
- [Zhang et al., 2014e] Zhang, J.; Zhang, C.; Chu, T.; and Cao, M. (2014e). "Cooperation with Potential Leaders in Evolutionary Game Study of Networking Agents". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 918–923, Beijing, China.
- [Zhang et al., 2014f] Zhang, J.; Zhu, X.; Wang, W.; and Yao, J. (2014f). "A Fast Restarting Particle Swarm Optimizer". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1351–1358, Beijing, China.
- [Zhang et al., 2014g] Zhang, K.; Weise, T.; and Li, J. (2014g). "Fitness Level Based Adaptive Operator Selection for Cutting Stock Problems with Contiguity". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2539–2546, Beijing, China.
- [Zhang and He, 2014] Zhang, L. and He, R. (2014). "A Globally Diversified Island Model PGA for Multimodal Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2553–2561, Beijing, China.
- [Zhang et al., 2014h] Zhang, W.; Gao, Y.; and Zhang, C. (2014h). "The Enhanced Vector of Convergence for Particle Swarm Optimization Based on Constrict Factor". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1337–1342, Beijing, China.
- [Zhang et al., 2014i] Zhang, Y.; Dai, G.; Peng, L.; and Wang, M. (2014i). "HMOEDA\_LLE: A Hybrid Multi-Objective Estimation of Distribution Algorithm Combining Locally Linear Embedding". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 707–714, Beijing, China.
- [Zheng et al., 2014a] Zheng, S.; Janecek, A.; Li, J.; and Tan, Y. (2014a). "Dynamic Search in Fireworks Algorithm". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 3222–3229, Beijing, China.
- [Zheng et al., 2014b] Zheng, X.; Wang, L.; and Wang, S. (2014b). "An Enhanced Non-Dominated Sorting Based Fruit Fly Optimization Algorithm for Solving Environmental Economic Dispatch Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 626–633, Beijing, China.
- [Zheng et al., 2014c] Zheng, Y.-J.; Zhang, B.; and Cheng, Z. (2014c). "Hyper-Heuristics with Penalty Parameter Adaptation for Constrained Optimization". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 1883–1889, Beijing, China.



- [Zheng et al., 2014d] Zheng, Z.; Li, J.; Li, J.; and Tan, Y. (2014d). "Avoiding Decoys in Multiple Targets Searching Problems Using Swarm Robotics". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 784–791, Beijing, China.
- [Zhou et al., 2014] Zhou, X.; Peng, W.; and Yang, B. (2014). "GEAS: A GA-ES-Mixed Algorithm for Parameterized Optimization Problems - Using CLS Problem as an Example". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 888–894, Beijing, China.
- [Zhu et al., 2014a] Zhu, L.; Deb, K.; and Kulkarni, S. (2014a). "Multi-Scenario Optimization Using Multi-Criterion Methods: A Case Study on Byzantine Agreement Problem". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2601–2608, Beijing, China.
- [Zhu et al., 2014b] Zhu, T.; Luo, W.; and Yue, L. (2014b). "Combining Multipopulation Evolutionary Algorithms with Memory for Dynamic Optimization Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2047–2054, Beijing, China.
- [Zhu et al., 2014c] Zhu, X.; Luo, W.; and Zhu, T. (2014c). "An Improved Genetic Algorithm for Dynamic Shortest Path Problems". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 2093–2100, Beijing, China.
- [Zong et al., 2014] Zong, X.; Xiong, S.; Xu, H.; and Duan, P. (2014). "Space-Time Simulation Model Based on Particle Swarm Optimization Algorithm for Stadium Evacuation". In Coello Coello, C. A., editor, *Proceedings of the 2014 IEEE Congress on Evolutionary Computation*, pages 194–201, Beijing, China.