## Список литературы

- [Acan(2004)] Acan, A. (2004). Clonal selection algorithm with operator multiplicity. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1909–1915. (Portland, Oregon: IEEE Press).
- [Aguirre & Tanaka(2004a)] Aguirre, H. & Tanaka, K. (2004a). Effects of elitism and population climbing on multiobjective mnk-landscapes. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 449–456. (Portland, Oregon: IEEE Press).
- [Aguirre & Tanaka(2004b)] Aguirre, H. & Tanaka, K. (2004b). Insights on properties of multiobjective mnk-landscapes. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 196–203. (Portland, Oregon: IEEE Press).
- [Aldasht et al.(2004)Aldasht, Ortega, Puntonet, & Diaz] Aldasht, M., Ortega, J., Puntonet, C. G., & Diaz, A. F. (2004). A genetic exploration of dynamic load balancing algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1158–1163. (Portland, Oregon: IEEE Press).
- [Aleti & de Garis(2004)] Aleti, S. H. & de Garis, H. (2004). Evolutionary algorithms based on machine learning accelerate mathematical function optimization but not neural net evolution. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1172–1177. (Portland, Oregon: IEEE Press).
- [Alkhalifah & Wainwright(2004)] Alkhalifah, Y. & Wainwright, R. (2004). A genetic algorithm applied to graph problems involving subsets of vertices. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 303–308. (Portland, Oregon: IEEE Press).
- [Anderson et al.(2004)Anderson, Bonabeau, & Scott] Anderson, C., Bonabeau, E., & Scott, J. (2004). Evolutionary testing as both a testing and redesign tool: a study of a shipboard firemain's valve and pump controls. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1089–1097. (Portland, Oregon: IEEE Press).
- [Ando & Iba(2004)] Ando, S. & Iba, H. (2004). Estimation of gene network using real-coded ga and robustness analysis. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 827–834. (Portland, Oregon: IEEE Press).
- [Annaluru et al.(2004)Annaluru, Das, & Pahwa] Annaluru, R., Das, S., & Pahwa, A. (2004). Multi-level ant colony algorithm for optimal placement of capacitors in distribution systems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1932–1937. (Portland, Oregon: IEEE Press).
- [Arnold(2004)] Arnold, D. (2004). An analysis of evolutionary gradient search. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 47–54. (Portland, Oregon: IEEE Press).
- [Ashburn & Bonabeau(2004)] Ashburn, T. & Bonabeau, E. (2004). Interactive inversion of financial markets agent-based models. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 522–529. (Portland, Oregon: IEEE Press).
- [Ashlock & Bryden(2004)] Ashlock, D. & Bryden, K. (2004). Evolutionary control of lsystem interpretation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2273–2279. (Portland, Oregon: IEEE Press).
- [Ashlock et al.(2004a)Ashlock, Bryden, & Corns] Ashlock, D., Bryden, K., & Corns, S. (2004a). On taxonomy of evolutionary computation problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1713–1719. (Portland, Oregon: IEEE Press).
- [Ashlock & Lathrop(2004)] Ashlock, D. & Lathrop, J. (2004). Program induction: Building a wall. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1844–1850. (Portland, Oregon: IEEE Press).

- [Ashlock & Oftelie (2004)] Ashlock, D. & Oftelie, J. (2004). Simulation of floral specialization in bees. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1859–1864. (Portland, Oregon: IEEE Press).
- [Ashlock & Powers (2004)] Ashlock, D. & Powers, B. (2004). The effect of tag recognition on non-local adaptation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2045–2051. (Portland, Oregon: IEEE Press).
- [Ashlock et al.(2004b)Ashlock, Willson, & Leahy] Ashlock, D., Willson, S., & Leahy, N. (2004b). Coevolution and tartarus. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1618–1624. (Portland, Oregon: IEEE Press).
- [Ashlock et al.(2004c)Ashlock, youn Kim, & von Roeschlaub] Ashlock, D., youn Kim, E., & von Roeschlaub, W. (2004c). Fingerprints: Enabling visualization and automatic analysis of strategies for two player games. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 381–387. (Portland, Oregon: IEEE Press).
- [Augugliaro et al.(2004) Augugliaro, Dusonchet, Favuzza, & Sanseverino] Augugliaro, A., Dusonchet, L., Favuzza, S., & Sanseverino, E. R. (2004). A fuzzy-logic based evolutionary multiobjective approach for automated distribution networks management. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 847–854. (Portland, Oregon: IEEE Press).
- [Bain et al.(2004)Bain, Thornton, & Sattar] Bain, S., Thornton, J., & Sattar, A. (2004). Evolving algorithms for constraint satisfaction. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 265–272. (Portland, Oregon: IEEE Press).
- [Bajurnow & Ciesielski(2004)] Bajurnow, A. & Ciesielski, V. (2004). Layered learning for evolving goal scoring behavior in soccer players. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1828–1835. (Portland, Oregon: IEEE Press).
- [Bandte(2004)] Bandte, O. (2004). Visualizing information in an interactive evolutionary design process. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 691–698. (Portland, Oregon: IEEE Press).
- [Bartz-Beielstein & Markon(2004)] Bartz-Beielstein, T. & Markon, S. (2004). Tuning search algorithms for real-world applications: A regression tree based approach. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1111–1118. (Portland, Oregon: IEEE Press).
- [Bernstein et al.(2004)Bernstein, Li, Ciesielski, & Song] Bernstein, Y., Li, X., Ciesielski, V., & Song, A. (2004). Multiobjective parsimony enforcement for superior generalisation performance. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 83–89. (Portland, Oregon: IEEE Press).
- [Bleuler et al.(2004)Bleuler, Prelic, & Zitzler] Bleuler, S., Prelic, A., & Zitzler, E. (2004). An eaframework for biclustering of gene expression data. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 166–173. (Portland, Oregon: IEEE Press).
- [Blumenthal & Parker(2004)] Blumenthal, J. & Parker, G. (2004). Punctuated anytime learning for evolving multi-agent capture strategies. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1820–1827. (Portland, Oregon: IEEE Press).
- [Bonino et al.(2004)Bonino, Corno, & Squillero] Bonino, D., Corno, F., & Squillero, G. (2004). Dynamic optimization of semantic annotation relevance. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1301–1308. (Portland, Oregon: IEEE Press).
- [Brabazon et al.(2004)Brabazon, Silva, de Sousa, O'Neill, Matthews, & Costa] Brabazon, A., Silva, A., de Sousa, T. F., O'Neill, M., Matthews, R., & Costa, E. (2004). Investigating organizational strategic inertia using a particle swarm model. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 652–659. (Portland, Oregon: IEEE Press).

- [Branke et al.(2004)Branke, Schmeck, Deb, & Maheshwar] Branke, J., Schmeck, H., Deb, K., & Maheshwar, R. (2004). Parallelizing multi-objective evolutionary algorithms: Cone separation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1952–1957. (Portland, Oregon: IEEE Press).
- [Brewster & Reynolds(2004)] Brewster, J. & Reynolds, R. G. (2004). Alternative fuel adoption. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2364–2371. (Portland, Oregon: IEEE Press).
- [Bryden et al.(2004)Bryden, Ashlock, & McCorkle] Bryden, K., Ashlock, D., & McCorkle, D. (2004). An application of graph based evolutionary algorithms for diversity preservation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 419–426. (Portland, Oregon: IEEE Press).
- [Burian & Takala(2004)] Burian, A. & Takala, J. (2004). Evolved gate arrays for image restoration. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1185–1192. (Portland, Oregon: IEEE Press).
- [Buzing et al.(2004)Buzing, Eiben, Schut, & Toma] Buzing, P., Eiben, A., Schut, M., & Toma, T. (2004). Cooperation and communication in evolving artificial societies. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2030–2037. (Portland, Oregon: IEEE Press).
- [Cagnina et al.(2004)Cagnina, Esquivel, & Gallard] Cagnina, L., Esquivel, S., & Gallard, R. (2004). Particle swarm optimization for sequencing problems: A case study. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 536–541. (Portland, Oregon: IEEE Press).
- [Castillo et al.(2004)Castillo, Sweeney, & Zirk] Castillo, F., Sweeney, J., & Zirk, W. (2004). Using evolutionary algorithms to suggest variable transformations in linear model lack-of-fit situations. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 556–560. (Portland, Oregon: IEEE Press).
- [Chakraborty(2004)] Chakraborty, U. (2004). Analysis of encoding in 1+1-ea. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 911–917. (Portland, Oregon: IEEE Press).
- [Chan et al.(2004a)Chan, Aydin, & Fogarty] Chan, K. Y., Aydin, E., & Fogarty, T. (2004a). An empirical study on the performance of factorial design based crossover on parametrical problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 620–627. (Portland, Oregon: IEEE Press).
- [Chan et al.(2004b)Chan, Aydin, & Fogarty] Chan, K. Y., Aydin, E., & Fogarty, T. (2004b). Parameterisation of mutation in evolutionary algorithms using the estimated main effect of genes. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1972–1979. (Portland, Oregon: IEEE Press).
- [Chang et al.(2004)Chang, Ohkura, Ueda, & Sugiyama] Chang, M., Ohkura, K., Ueda, K., & Sugiyama, M. (2004). Modeling coevolutionary genetic algorithms on two-bit landscapes: Partnering strategies. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2349–2356. (Portland, Oregon: IEEE Press).
- [Chen et al.(2004)Chen, Chootinan, & Pravinvongvuth] Chen, A., Chootinan, P., & Pravinvongvuth, S. (2004). An evolutionary approach for finding optimal automatic vehicle identification reader locations in transportation networks. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 181–187. (Portland, Oregon: IEEE Press).
- [Chen & guo Feng(2004)] Chen, H. & guo Feng, D. (2004). An effective evolutionary strategy for bijective s-boxes. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2120–2123. (Portland, Oregon: IEEE Press).

- [Chen & Wineberg(2004)] Chen, J. & Wineberg, M. (2004). Enhancement of the shifting balance genetic algorithm for highly multimodal problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 744–751. (Portland, Oregon: IEEE Press).
- [Chiang & Chen(2004)] Chiang, C.-H. & Chen, L.-H. (2004). A new cellular automaton: Five elements balance chart and its application to forest industry ecosystem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1901–1908. (Portland, Oregon: IEEE Press).
- [Cho & Park(2004)] Cho, S.-B. & Park, C. (2004). Speciated ga for optimal ensemble classifiers in dna microarray classification. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 590–597. (Portland, Oregon: IEEE Press).
- [Chong & Yao(2004)] Chong, S. Y. & Yao, X. (2004). The impact of noise on iterated prisoner's dilemma with multiple levels of cooperation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 348–355. (Portland, Oregon: IEEE Press).
- [Chow(2004)] Chow, R. (2004). Effects of phenotypic feedback and the coupling of genotypic and phenotypic spaces in genetic searches. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 242–249. (Portland, Oregon: IEEE Press).
- [Chung-Yuan & Chuen-Tsai(2004)] Chung-Yuan, H. & Chuen-Tsai, S. (2004). Self-adaptive routing based on learning classifier systems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 678–682. (Portland, Oregon: IEEE Press).
- [Ciesielski & Li(2004)] Ciesielski, V. & Li, X. (2004). Experiments with explicit for-loops in genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 494–501. (Portland, Oregon: IEEE Press).
- [Clark et al.(2004a)Clark, Jacob, & Stepney] Clark, J. A., Jacob, J. L., & Stepney, S. (2004a). The design of s-boxes by simulated annealing. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1533–1537. (Portland, Oregon: IEEE Press).
- [Clark et al.(2004b)Clark, Jacob, & Stepney] Clark, J. A., Jacob, J. L., & Stepney, S. (2004b). Searching for cost functions. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1517–1524. (Portland, Oregon: IEEE Press).
- [Coelho & Bouillard(2004)] Coelho, R. F. & Bouillard, P. (2004). Pamuc ii for multicriteria optimization of mechanical designs with expert rules. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 17–22. (Portland, Oregon: IEEE Press).
- [Cohen(2004a)] Cohen, D. (2004a). Ea-lect: An evolutionary algorithm for constructing logical rules to predict election into cooperstown. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1354–1361. (Portland, Oregon: IEEE Press).
- [Cohen(2004b)] Cohen, D. (2004b). Using sat scores as predictors for future academic success. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 671–677. (Portland, Oregon: IEEE Press).
- [Cole et al.(2004)Cole, Louis, & Miles] Cole, N., Louis, S., & Miles, C. (2004). Using a genetic algorithm to tune first-person shooter bots. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 139–145. (Portland, Oregon: IEEE Press).
- [Corne & Pridgeon(2004)] Corne, D. & Pridgeon, C. (2004). Investigating issues in the reconstructability of genetic regulatory networks. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 582–589. (Portland, Oregon: IEEE Press).
- [Corno et al.(2004)Corno, Sanchez, & Squillero] Corno, F., Sanchez, E., & Squillero, G. (2004). On the evolution of corewar warriors. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 133–138. (Portland, Oregon: IEEE Press).
- [Cruz(2004)] Cruz, A. (2004). A hybrid deterministic/genetic test generator to improve fault. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1325–1330. (Portland, Oregon: IEEE Press).

- [Cui et al.(2004)Cui, Zeng, & Cai] Cui, Z., Zeng, J., & Cai, X. (2004). A new stochastic particle swarm optimizer. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 316–319. (Portland, Oregon: IEEE Press).
- [Curran & O'Riordan(2004)] Curran, D. & O'Riordan, C. (2004). The effect of noise on the performance of cultural evolution in multi-agent systems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1767–1773. (Portland, Oregon: IEEE Press).
- [Czarn et al.(2004)Czarn, MacNish, Vijayan, & Turlach] Czarn, A., MacNish, C., Vijayan, K., & Turlach, B. (2004). Statistical exploratory analysis of genetic algorithms: The importance of interaction. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2288–2295. (Portland, Oregon: IEEE Press).
- [Dahal et al.(2004)Dahal, Siewierski, Galloway, Burt, & McDonald] Dahal, K. P., Siewierski, T. A., Galloway, S. J., Burt, G. M., & McDonald, J. R. (2004). An evolutionary generation scheduling in an open electricity market. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1135–1142. (Portland, Oregon: IEEE Press).
- [Daida et al.(2004a)Daida, Samples, Hart, Halim, & Kumar] Daida, J., Samples, M., Hart, B., Halim, J., & Kumar, A. (2004a). Demonstrating constraints to diversity with a tunably difficulty problem for genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1217–1224. (Portland, Oregon: IEEE Press).
- [Daida et al.(2004b)Daida, Ward, Hilss, Long, & Hodges] Daida, J., Ward, D., Hilss, A., Long, S., & Hodges, M. (2004b). Visualizing the loss of diversity in genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1225–1232. (Portland, Oregon: IEEE Press).
- [Dandass(2004)] Dandass, Y. (2004). Genetic list scheduling for soft real-time parallel applications. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1164–1171. (Portland, Oregon: IEEE Press).
- [Daneshyari & Yen(2004)] Daneshyari, M. & Yen, G. (2004). Talent based social algorithm for optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 786–791. (Portland, Oregon: IEEE Press).
- [Daoud et al.(2004)Daoud, Kharma, Haidar, & Popoola] Daoud, M., Kharma, N., Haidar, A., & Popoola, J. (2004). Ayo, the awari player, or how better representation trumps deeper search. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1001–1006. (Portland, Oregon: IEEE Press).
- [Day et al.(2004)Day, Kleeman, & Lamont] Day, R., Kleeman, M., & Lamont, G. (2004). Multi-objective fast messy genetic algorithm solving deception problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1502–1509. (Portland, Oregon: IEEE Press).
- [Day & Lamont(2004)] Day, R. & Lamont, G. (2004). Force field approximations using artificial neural networks. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1020–1027. (Portland, Oregon: IEEE Press).
- [de Garis & Batty(2004a)] de Garis, H. & Batty, T. (2004a). "multi-mod": A pc based software system for handling the interconnectivity and neural signaling of an artificial brain containing 10,000 evolved neural net modules. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 816–819. (Portland, Oregon: IEEE Press).
- [de Garis & Batty(2004b)] de Garis, H. & Batty, T. (2004b). Robust, reversible, nano-scale, femto-second-switching circuits and their evolution. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 639–645. (Portland, Oregon: IEEE Press).
- [De Jong(2004)] De Jong, E. (2004). Towards a bounded pareto-coevolution archive. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2341–2348. (Portland, Oregon: IEEE Press).

- [de la Cruz-Garcia et al.(2004)de la Cruz-Garcia, Risco-Martin, Herran-Gonzalez, & Fernandez-Blanco] de la Cruz-Garcia, J. M., Risco-Martin, J. L., Herran-Gonzalez, A., & Fernandez-Blanco, P. (2004). Hybrid heuristic and mathematical programming in oil pipelines networks. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1479–1486. (Portland, Oregon: IEEE Press).
- [de Paula et al.(2004)de Paula, de Castro, & de Geus] de Paula, F., de Castro, L., & de Geus, P. (2004). An intrusion detection system using ideas from the immune system. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1059–1066. (Portland, Oregon: IEEE Press).
- [De San Pedro et al.(2004)De San Pedro, Pandolfi, Villagra, Lasso, & Gallard] De San Pedro, M., Pandolfi, D., Villagra, A., Lasso, M., & Gallard, R. (2004). Effect of crossover operators under multirecombination: Weighted tardiness, a test case. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 699–705. (Portland, Oregon: IEEE Press).
- [Dengiz et al.(2004)Dengiz, Dozier, & Smith] Dengiz, O., Dozier, G. V., & Smith, A. E. (2004). Non-deterministic decoding with memory to enhance precision in binary-coded genetic algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2166–2172. (Portland, Oregon: IEEE Press).
- [Denzinger et al.(2004)Denzinger, Chan, Gates, Loose, & Buchanan] Denzinger, J., Chan, B., Gates, D., Loose, K., & Buchanan, J. (2004). Evolutionary behavior testing of commercial computer games. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 125–132. (Portland, Oregon: IEEE Press).
- [Deschenes & Wiese(2004)] Deschenes, A. & Wiese, K. C. (2004). Using stacking-energies (inn and inn-hb) for improving the accuracy of rna secondary structure prediction with an evolutionary algorithm a comparison to known structures. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 598–606. (Portland, Oregon: IEEE Press).
- [Deugo & Ferguson(2004)] Deugo, D. & Ferguson, D. (2004). Evolution to the xtreme: Evolving evolutionary strategies using a meta-level approach. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 31–38. (Portland, Oregon: IEEE Press).
- [Devicharan & Mohan(2004)] Devicharan, D. & Mohan, C. (2004). Particle swarm optimization with adaptive linkage learning. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 530–535. (Portland, Oregon: IEEE Press).
- [Di Pietro et al.(2004)Di Pietro, While, & Barone] Di Pietro, A., While, L., & Barone, L. (2004). Applying evolutionary algorithms to problems with noisy, time-consuming fitness functions. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1254–1261. (Portland, Oregon: IEEE Press).
- [Dimopoulos (2004)] Dimopoulos, C. (2004). A review of evolutionary multiobjective optimization applications in the area of production research. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1487–1494. (Portland, Oregon: IEEE Press).
- [Ding et al.(2004)Ding, Liu, Wu, & Yang] Ding, S., Liu, J., Wu, C., & Yang, Q. (2004). A genetic algorithm applied to optimal gene subset selection. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1654–1660. (Portland, Oregon: IEEE Press).
- [Doctor et al.(2004)Doctor, Venayagamoorthy, & Gudise] Doctor, S., Venayagamoorthy, G., & Gudise, V. (2004). Optimal pso for collective robotic search applications. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1390–1395. (Portland, Oregon: IEEE Press).
- [Dorris et al.(2004)Dorris, Carnahan, Orsini, & Kuntz] Dorris, N., Carnahan, B., Orsini, L., & Kuntz, L.-A. (2004). Interactive evolutionary design of anthropomorphic symbols. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 433–440. (Portland, Oregon: IEEE Press).

- [Dorronsoro et al.(2004)Dorronsoro, Alba, Giacobini, & Tomassini] Dorronsoro, B., Alba, E., Giacobini, M., & Tomassini, M. (2004). The influence of grid shape and asynchronicity on cellular evolutionary algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2152–2158. (Portland, Oregon: IEEE Press).
- [Doty(2004)] Doty, D. (2004). Non-local evolutionary adaptation in gridplants. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1602–1609. (Portland, Oregon: IEEE Press).
- [Dozier(2004)] Dozier, G. V. (2004). Recurrent distributed constraint satisfaction via genetic and evolutionary societies of hill-climbers. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 273–279. (Portland, Oregon: IEEE Press).
- [Dozier et al.(2004)Dozier, Brown, Hurley, & Cain] Dozier, G. V., Brown, D., Hurley, J., & Cain, K. (2004). Vulnerability analysis of ais-based intrusion detection systems via genetic and particle swarm red teams. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 111–116. (Portland, Oregon: IEEE Press).
- [Dukkipati et al.(2004)Dukkipati, Musti, & Bhatnagar] Dukkipati, A., Musti, N. M., & Bhatnagar, S. (2004). Cauchy annealing schedule: An annealing schedule for boltzmann selection scheme in evolutionary algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 55–62. (Portland, Oregon: IEEE Press).
- [Dunn et al.(2004)Dunn, Olague, Lutton, & Schoenauer] Dunn, E., Olague, G., Lutton, E., & Schoenauer, M. (2004). Pareto optimal sensing strategies for an active vision system. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 457–463. (Portland, Oregon: IEEE Press).
- [Eberbach & Eberbach(2004)] Eberbach, E. & Eberbach, A. (2004). On designing co\$t: A new approach and programming environment for distributed problem solving based on evolutionary computation and anytime algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1836–1843. (Portland, Oregon: IEEE Press).
- [Eguchi et al.(2004)Eguchi, Hirasawa, Hu, & Markon] Eguchi, T., Hirasawa, K., Hu, J., & Markon, S. (2004). Elevator group supervisory control systems using genetic network programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1661–1667. (Portland, Oregon: IEEE Press).
- [Enee & Escazut(2004)] Enee, G. & Escazut, C. (2004). Evolution of communication in a genetic based multi-agent system: Use wise resources. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2038–2044. (Portland, Oregon: IEEE Press).
- [English(2004)] English, T. (2004). No more lunch: Analysis of sequential search. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 227–234. (Portland, Oregon: IEEE Press).
- [Eriksson & Olsson(2004)] Eriksson, R. & Olsson, B. (2004). On the performance of evolutionary algorithms with life-time adaptation in dynamic fitness landscapes. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1293–1300. (Portland, Oregon: IEEE Press).
- [Eskridge & Hougen(2004)] Eskridge, B. & Hougen, D. (2004). Imitating success: A memetic crossover operator for genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 809–815. (Portland, Oregon: IEEE Press).
- [Esquivel et al.(2004)Esquivel, Garcia, Leguizamon, & Ribba] Esquivel, S., Garcia, M., Leguizamon, G., & Ribba, M. (2004). A comparison of two mutation operators for the path planning problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 879–883. (Portland, Oregon: IEEE Press).

- [Eto et al.(2004)Eto, Hirasawa, & Hu] Eto, S., Hirasawa, K., & Hu, J. (2004). Functional localization of genetic network programming and its application to a pursuit problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 683–690. (Portland, Oregon: IEEE Press).
- [Fan et al.(2004)Fan, Goodman, Jiachuan, Ronald, Kisung, & Jianjun] Fan, Z., Goodman, E., Jiachuan, W., Ronald, R., Kisung, S., & Jianjun, H. (2004). Hierarchical evolutionary synthesis of mems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2320–2327. (Portland, Oregon: IEEE Press).
- [Farina & Gobbi (2004)] Farina, M. & Gobbi, M. (2004). A fuzzy-optima definition based multiobjective optimization of a racing car tyre-suspension system. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 9–16. (Portland, Oregon: IEEE Press).
- [Fernandez et al.(2004)Fernandez, Grana, & Ruiz-Cabello] Fernandez, E., Grana, M., & Ruiz-Cabello, J. (2004). An instantaneous memetic algorithm for illumination correction. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1105–1110. (Portland, Oregon: IEEE Press).
- [Ferreira et al.(2004)Ferreira, Vasconcelos, & Adeodato] Ferreira, T., Vasconcelos, G., & Adeodato, P. (2004). A hybrid intelligent system approach for improving the prediction of real world time series. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 736–743. (Portland, Oregon: IEEE Press).
- [Filipic & Robic(2004)] Filipic, B. & Robic, T. (2004). A comparative study of coolant flow optimization on a steel casting machine. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 569–573. (Portland, Oregon: IEEE Press).
- [Fletcher & Zwick(2004)] Fletcher, J. & Zwick, M. (2004). Hamilton's rule applied to reciprocal altruism. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 994–1000. (Portland, Oregon: IEEE Press).
- [Fogel(2004)] Fogel, D. B. (2004). Evolving strategies in blackjack. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1427–1434. (Portland, Oregon: IEEE Press).
- [Fogel et al.(2004a)Fogel, Hays, & Johnson] Fogel, D. B., Hays, T., & Johnson, D. (2004a). A platform for evolving characters in competitive games. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1420–1426. (Portland, Oregon: IEEE Press).
- [Fogel et al.(2004b)Fogel, Weekes, Sampath, & Ecker] Fogel, G. B., Weekes, D. G., Sampath, R., & Ecker, D. J. (2004b). Parameter optimization of an evolutionary algorithm for rna structure discovery. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 607–613. (Portland, Oregon: IEEE Press).
- [Franken & Engelbrecht(2004)] Franken, N. & Engelbrecht, A. (2004). Pso approaches to co-evolve ipd strategies. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 356–363. (Portland, Oregon: IEEE Press).
- [Fuller et al.(2004)Fuller, Millan, & Dawson] Fuller, J., Millan, W., & Dawson, E. (2004). Multi-objective optimisation of bijective s-boxes. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1525–1532. (Portland, Oregon: IEEE Press).
- [Funes et al.(2004)Funes, Bonabeau, Herve, & Morieux] Funes, P., Bonabeau, E., Herve, J., & Morieux, Y. (2004). Interactive multi-participant task allocation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1699–1705. (Portland, Oregon: IEEE Press).
- [Gao(2004)] Gao, W. (2004). Fast immunized evolutionary programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 666–670. (Portland, Oregon: IEEE Press).
- [Garrett(2004)] Garrett, S. (2004). Parameter-free, adaptive clonal selection. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1052–1058. (Portland, Oregon: IEEE Press).

- [Goldstein & Yen(2004)] Goldstein, M. & Yen, G. (2004). An evolutionary algorithm method for sampling n-partite graphs. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2250–2257. (Portland, Oregon: IEEE Press).
- [Gomez(2004a)] Gomez, J. (2004a). Evolution of fuzzy rule based classifiers. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1727–1734. (Portland, Oregon: IEEE Press).
- [Gomez(2004b)] Gomez, J. (2004b). Self adaptation of operator rates in evolutionary algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1720–1726. (Portland, Oregon: IEEE Press).
- [Gonzalez & Cannady(2004)] Gonzalez, L. & Cannady, J. (2004). A self-adaptive negative selection approach for anomaly detection. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1561–1568. (Portland, Oregon: IEEE Press).
- [Gordon & Matley(2004)] Gordon, S. & Matley, Z. (2004). Evolving sparse direction maps for maze pathfinding. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 835–838. (Portland, Oregon: IEEE Press).
- [Gordon & Slocum(2004)] Gordon, S. & Slocum, T. (2004). The knight's tour evolutionary vs. depth-first search. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1435–1440. (Portland, Oregon: IEEE Press).
- [Greenwood(2004)] Greenwood, G. (2004). Differing mathematical perspectives of genotype space in combinatorial problems: Metric spaces vs pretopological spaces. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 258–264. (Portland, Oregon: IEEE Press).
- [Grosan(2004)] Grosan, C. (2004). Improving the performance of evolutionary algorithms for the multiobjective 0/1 knapsack problem using epsilon -dominance. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1958–1963. (Portland, Oregon: IEEE Press).
- [Guo & Mak(2004)] Guo, Z. & Mak, K. (2004). A heuristic ga for the stochastic vehicle routing problems with soft time windows. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1449–1456. (Portland, Oregon: IEEE Press).
- [Gutierrez(2004)] Gutierrez, C. (2004). Heuristics in a general scheduling problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 660–665. (Portland, Oregon: IEEE Press).
- [Habib & Parker(2004)] Habib, S. & Parker, A. (2004). Synthesizing complex multimedia network topologies using an evolutionary approach. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1193–1200. (Portland, Oregon: IEEE Press).
- [Hamaker & Boggess (2004)] Hamaker, J. & Boggess, L. (2004). Non-euclidean distance measures in airs, an artificial immune classification system. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1067–1073. (Portland, Oregon: IEEE Press).
- [Harding & Miller(2004)] Harding, S. & Miller, J. (2004). Evolution in materio: A tone discriminator in liquid crystal. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1800–1807. (Portland, Oregon: IEEE Press).
- [Hartono et al.(2004)Hartono, Hashimoto, & Wahde] Hartono, P., Hashimoto, S., & Wahde, M. (2004). Labeled-ga with adaptive mutation rate. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1851–1858. (Portland, Oregon: IEEE Press).
- [Hatanaka et al.(2004)Hatanaka, Kawaguchi, & Uosaki] Hatanaka, T., Kawaguchi, Y., & Uosaki, K. (2004). Nonlinear system identification based on evolutionary fuzzy modeling. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 646–651. (Portland, Oregon: IEEE Press).

- [Hati & Sengupta(2004)] Hati, S. & Sengupta, S. (2004). A ga-based integrated approach to model-assisted matching and pose estimation for automated visual inspection applications. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1346–1353. (Portland, Oregon: IEEE Press).
- [Hayward (2004)] Hayward, S. (2004). Setting up performance surface of an artificial neural network with genetic algorithm optimization: in search of an accurate and profitable prediction for stock trading. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 948–954. (Portland, Oregon: IEEE Press).
- [He et al.(2004)He, Yao, & Zhang] He, J., Yao, X., & Zhang, Q. (2004). To understand one-dimensional continuous fitness landscapes by drift analysis. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1248–1253. (Portland, Oregon: IEEE Press).
- [Hernandez et al.(2004a)Hernandez, Dasgupta, Nino, & Garcia] Hernandez, G., Dasgupta, D., Nino, F., & Garcia, J. (2004a). On geometric and statistical properties of the attractors of a generic evolutionary algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1240–1247. (Portland, Oregon: IEEE Press).
- [Hernandez & Isasi(2004)] Hernandez, J. C. & Isasi, P. (2004). New results on the genetic cryptanalysis of tea and reduced-round versions of xtea. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2124–2129. (Portland, Oregon: IEEE Press).
- [Hernandez et al.(2004b)Hernandez, Isasi, & Seznec] Hernandez, J. C., Isasi, P., & Seznec, A. (2004b). On the design of state-of-the-art pseudorandom number generators by means of genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1510–1516. (Portland, Oregon: IEEE Press).
- [Hernandez-Aguirre et al.(2004)Hernandez-Aguirre, Botello-Rionda, & Coello-Coello] Hernandez-Aguirre, A., Botello-Rionda, S., & Coello-Coello, C. (2004). Passss: An implementation of a novel diversity strategy for handling constraints. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 403–410. (Portland, Oregon: IEEE Press).
- [Hernandez-Aguirre & Coello-Coello (2004)] Hernandez-Aguirre, A. & Coello-Coello, C. (2004). Mutual information-based fitness functions for evolutionary circuit synthesis. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1309–1316. (Portland, Oregon: IEEE Press).
- [Hingston & Kendall(2004)] Hingston, P. & Kendall, G. (2004). Learning versus evolution in iterated prisoner's dilemma. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 364–372. (Portland, Oregon: IEEE Press).
- [Ho & Tay(2004)] Ho, N. B. & Tay, J. C. (2004). Genace: An efficient cultural algorithm to solve the flexible job-shop problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1759–1766. (Portland, Oregon: IEEE Press).
- [Hong & Cho(2004)] Hong, J.-H. & Cho, S.-B. (2004). Evolution of emergent behaviors for shooting game characters in robocode. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 634–638. (Portland, Oregon: IEEE Press).
- [Hotz(2004a)] Hotz, P. E. (2004a). Asymmetric cell division in artificial evolution. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2180–2186. (Portland, Oregon: IEEE Press).
- [Hotz(2004b)] Hotz, P. E. (2004b). Comparing direct and developmental encoding schemes in artificial evolution: A case study in evolving lens shapes. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 752–757. (Portland, Oregon: IEEE Press).
- [Hou & Dozier (2004)] Hou, H. & Dozier, G. V. (2004). Comparing performance of binary-coded and constraint-based detectors. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 772–777. (Portland, Oregon: IEEE Press).

- [Hu & Goodman(2004)] Hu, J. & Goodman, E. (2004). Wireless access point configuration by genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1178–1184. (Portland, Oregon: IEEE Press).
- [Hu et al.(2004)Hu, Shi, & Eberhart] Hu, X., Shi, Y., & Eberhart, R. (2004). Recent advances in particle swarm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 90–97. (Portland, Oregon: IEEE Press).
- [Hughes (2004)] Hughes, E. (2004). Swarm guidance using a multi-objective co-evolutionary on-line evolutionary algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2357–2363. (Portland, Oregon: IEEE Press).
- [Hunter(2004)] Hunter, D. (2004). Some lessons learned on constructing an automated testbench for evolvable hardware experiments. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1808–1812. (Portland, Oregon: IEEE Press).
- [Inoue et al.(2004)Inoue, Tohge, & Iba] Inoue, Y., Tohge, T., & Iba, H. (2004). Object transportation by two humanoid robots using cooperative learning. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1201–1208. (Portland, Oregon: IEEE Press).
- [Ippolito et al.(2004)Ippolito, Sanseverino, & Vuinovich] Ippolito, M., Sanseverino, E. R., & Vuinovich, F. (2004). Multiobjective ant colony search algorithm for optimal electrical distribution system strategical planning. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1924–1931. (Portland, Oregon: IEEE Press).
- [Isaacs & Foo(2004)] Isaacs, J. & Foo, S. (2004). Optimized wavelet hand pose estimation for american sign language recognition. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 797–802. (Portland, Oregon: IEEE Press).
- [Ishibuchi & Narukawa(2004)] Ishibuchi, H. & Narukawa, K. (2004). Performance evaluation of simple multiobjective genetic local search algorithms on multiobjective 0/1 knapsack problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 441–448. (Portland, Oregon: IEEE Press).
- [Jang et al.(2004)Jang, Han, & Kim] Jang, J.-S., Han, K.-H., & Kim, J.-H. (2004). Face detection using quantum-inspired evolutionary algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2100–2106. (Portland, Oregon: IEEE Press).
- [Ji et al.(2004)Ji, Chen, & Subprasom] Ji, Z., Chen, A., & Subprasom, K. (2004). Finding multi-objective paths in stochastic networks: A simulation-based genetic algorithm approach. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 174–180. (Portland, Oregon: IEEE Press).
- [Ji & Dasgupta(2004)] Ji, Z. & Dasgupta, D. (2004). Augmented negative selection algorithm with variable-coverage detectors. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1081–1088. (Portland, Oregon: IEEE Press).
- [Jin et al.(2004)Jin, Okabe, & Sendhoff] Jin, Y., Okabe, T., & Sendhoff, B. (2004). Neural network regularization and ensembling using multi-objective evolutionary algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1–8. (Portland, Oregon: IEEE Press).
- [Johnson et al.(2004)Johnson, Melich, Michalewicz, & Schmidt] Johnson, R., Melich, M., Michalewicz, Z., & Schmidt, M. (2004). Coevolutionary tempo game. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1610–1617. (Portland, Oregon: IEEE Press).
- [Jones et al.(2004)Jones, Tiwari, Roy, & Corbett] Jones, P., Tiwari, A., Roy, R., & Corbett, J. (2004). Optimisation of the high efficiency deep grinding process with fuzzy fitness function and constraints. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 574–581. (Portland, Oregon: IEEE Press).

- [Kamio & Iba(2004)] Kamio, S. & Iba, H. (2004). Evolutionary construction of a simulator for real robots. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2202–2209. (Portland, Oregon: IEEE Press).
- [Kang et al.(2004)Kang, Zhou, McKay, Li, & Kang] Kang, L., Zhou, A., McKay, R. I., Li, Y., & Kang, Z. (2004). Benchmarking algorithms for dynamic travelling salesman problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1286–1292. (Portland, Oregon: IEEE Press).
- [Katada et al.(2004)Katada, Ohkura, & Ueda] Katada, Y., Ohkura, K., & Ueda, K. (2004). The nei's standard genetic distance in artificial evolution. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1233–1239. (Portland, Oregon: IEEE Press).
- [Katare et al.(2004)Katare, Kalos, & West] Katare, S., Kalos, A., & West, D. (2004). A hybrid swarm optimizer for efficient parameter estimation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 309–315. (Portland, Oregon: IEEE Press).
- [Katsumata & Terano(2004)] Katsumata, Y. & Terano, T. (2004). Cabling and scheduling for electric power plant operation via tabu-boa algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1675–1682. (Portland, Oregon: IEEE Press).
- [Kendall & Spoerer (2004)] Kendall, G. & Spoerer, K. (2004). Scripting the game of lemmings with a genetic algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 117–124. (Portland, Oregon: IEEE Press).
- [Kendall et al.(2004)Kendall, Yaakob, & Hingston] Kendall, G., Yaakob, R., & Hingston, P. (2004). An investigation of an evolutionary approach to the opening of go. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2052–2059. (Portland, Oregon: IEEE Press).
- [Kennedy(2004)] Kennedy, J. (2004). Probability and dynamics in the particle swarm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 340–347. (Portland, Oregon: IEEE Press).
- [Kephart & Lefevre(2004)] Kephart, D. & Lefevre, J. (2004). Codegen: The generation and testing of dna code words. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1865–1873. (Portland, Oregon: IEEE Press).
- [Khabzaoui et al.(2004)Khabzaoui, Dhaenens, & Talbi] Khabzaoui, M., Dhaenens, C., & Talbi, E.-G. (2004). A multicriteria genetic algorithm to analyze dna microarray data. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1874–1881. (Portland, Oregon: IEEE Press).
- [Khan & Perkowski(2004)] Khan, M. H. & Perkowski, M. A. (2004). Genetic algorithm based synthesis of multi-output ternary functions using quantum cascade of generalized ternary gates. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2194–2201. (Portland, Oregon: IEEE Press).
- [Kicinger et al.(2004)Kicinger, Arciszewski, & De Jong] Kicinger, R., Arciszewski, T., & De Jong, K. (2004). Morphogenesis and structural design: Cellular automata representations of steel structures in tall buildings. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 411–418. (Portland, Oregon: IEEE Press).
- [Kimbrough et al.(2004)Kimbrough, Lu, & Safavi] Kimbrough, S., Lu, M., & Safavi, S. (2004). Exploring a financial product model with a two-population genetic algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 855–862. (Portland, Oregon: IEEE Press).
- [kin Chow & tat Tsui(2004)] kin Chow, C. & tat Tsui, H. (2004). Autonomous agent response learning by a multi-species particle swarm optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 778–785. (Portland, Oregon: IEEE Press).

- [Kleeman et al.(2004)Kleeman, Day, & Lamont] Kleeman, M., Day, R., & Lamont, G. (2004). Multi-objective evolutionary search performance with explicit building-block sizes for npc problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 728–735. (Portland, Oregon: IEEE Press).
- [Kobayashi & Aiyoshi(2004)] Kobayashi, Y. & Aiyoshi, E. (2004). Optimization algorithm using multiagents and reinforcement learning. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 63–68. (Portland, Oregon: IEEE Press).
- [Kobti et al.(2004)Kobti, Reynolds, & Kohler] Kobti, Z., Reynolds, R. G., & Kohler, T. (2004). The effect of kinship cooperation learning strategy and culture on the resilience of social systems in the village multi-agent simulation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1743–1750. (Portland, Oregon: IEEE Press).
- [Koduru et al.(2004)Koduru, Das, Welch, & Roe] Koduru, P., Das, S., Welch, S., & Roe, J. L. (2004). A multi-objective ga-simplex hybrid approach for gene regulatory network models. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2084–2091. (Portland, Oregon: IEEE Press).
- [Koeppen(2004)] Koeppen, M. (2004). No-free-lunch theorems and the diversity of algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 235–241. (Portland, Oregon: IEEE Press).
- [Korczak & Lipinski(2004)] Korczak, J. J. & Lipinski, P. (2004). Evolutionary building of stock trading experts in a real-time system. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 940–947. (Portland, Oregon: IEEE Press).
- [Kordon & Lue(2004)] Kordon, A. & Lue, C.-T. (2004). Symbolic regression modeling of blown film process effects. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 561–568. (Portland, Oregon: IEEE Press).
- [Kotani & Kato(2004)] Kotani, M. & Kato, D. (2004). Feature extraction using coevolutionary genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 614–619. (Portland, Oregon: IEEE Press).
- [Krink et al.(2004)Krink, Filipic, Fogel, & Thomsen] Krink, T., Filipic, B., Fogel, G. B., & Thomsen, R. (2004). Noisy optimization problems a particular challenge for differential evolution? In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 332–339. (Portland, Oregon: IEEE Press).
- [Krohling et al.(2004)Krohling, Hoffmann, & dos Santos Coelho] Krohling, R. A., Hoffmann, F., & dos Santos Coelho, L. (2004). Co-evolutionary particle swarm optimization for min-max problems using gaussian distribution. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 959–964. (Portland, Oregon: IEEE Press).
- [Krusienski & Jenkins(2004)] Krusienski, D. & Jenkins, W. K. (2004). Particle swarm optimization for adaptive iir filter structures. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 965–970. (Portland, Oregon: IEEE Press).
- [Lamont et al.(2004)Lamont, Esslinger, Ewing, & Abdel-Aty-Zohdy] Lamont, G., Esslinger, M., Ewing, R., & Abdel-Aty-Zohdy, H. (2004). An artificial immune system strategy for robust chemical spectra classification via distributed heterogeneous sensors. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1036–1043. (Portland, Oregon: IEEE Press).
- [Lasso et al.(2004)Lasso, Pandolfi, De San Pedro, Villagra, & Gallard] Lasso, M., Pandolfi, D., De San Pedro, M., Villagra, A., & Gallard, R. (2004). Solving dynamic tardiness problems in single machine environments. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1143–1149. (Portland, Oregon: IEEE Press).
- [Lee et al.(2004)Lee, Bulitko, & Levner] Lee, G., Bulitko, V., & Levner, I. (2004). Automated selection of vision operator libraries with evolutionary algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1127–1134. (Portland, Oregon: IEEE Press).

- [Legg et al.(2004)Legg, Hutter, & Kumar] Legg, S., Hutter, M., & Kumar, A. (2004). Tournament versus fitness uniform selection. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2144–2151. (Portland, Oregon: IEEE Press).
- [Leon et al.(2004)Leon, Nasraoui, & Gomez] Leon, E., Nasraoui, O., & Gomez, J. (2004). Anomaly detection based on unsupervised niche clustering with application to network intrusion detection. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 502–508. (Portland, Oregon: IEEE Press).
- [Lichodzijewski et al.(2004)Lichodzijewski, Zincir-Heywood, & Heywood] Lichodzijewski, P., Zincir-Heywood, N., & Heywood, M. (2004). Cascaded gp models for data mining. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2258–2264. (Portland, Oregon: IEEE Press).
- [Liu & Iba(2004)] Liu, H. & Iba, H. (2004). A hierarchical approach for adaptive humanoid robot control. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1546–1553. (Portland, Oregon: IEEE Press).
- [Liu et al.(2004)Liu, Qin, & He] Liu, Y., Qin, Z., & He, X. (2004). Supervisor-student model in particle swarm optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 542–547. (Portland, Oregon: IEEE Press).
- [Lucas(2004)] Lucas, S. (2004). Cellz: A simple dynamic game for testing evolutionary algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1007–1014. (Portland, Oregon: IEEE Press).
- [Lucidarme(2004)] Lucidarme, P. (2004). An evolutionary algorithm for multi-robot unsupervised learning. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2210–2215. (Portland, Oregon: IEEE Press).
- [Malinchik et al.(2004)Malinchik, Orme, Rothermich, & Bonabeau] Malinchik, S., Orme, B., Rothermich, J., & Bonabeau, E. (2004). Interactive exploratory data analysis. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1098–1104. (Portland, Oregon: IEEE Press).
- [Mark et al.(2004)Mark, Sendhoff, & Wersing] Mark, A., Sendhoff, B., & Wersing, H. (2004). A decision making framework for game playing using evolutionary optimization and learning. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 373–380. (Portland, Oregon: IEEE Press).
- [Marwaha et al.(2004)Marwaha, Srinivasan, Tham, & Vasilakos] Marwaha, S., Srinivasan, D., Tham, C. K., & Vasilakos, A. (2004). Evolutionary fuzzy multi-objective routing for wireless mobile ad hoc networks. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1964–1971. (Portland, Oregon: IEEE Press).
- [Miguelanez et al.(2004)Miguelanez, Zalzala, & Tabor] Miguelanez, E., Zalzala, A., & Tabor, P. (2004). Evolving neural networks using swarm intelligence for binmap classification. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 978–985. (Portland, Oregon: IEEE Press).
- [Miles et al.(2004)Miles, Louis, Cole, & McDonnell] Miles, C., Louis, S., Cole, N., & McDonnell, J. (2004). Learning to play like a human: Case injected genetic algorithms for strategic computer gaming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1441–1448. (Portland, Oregon: IEEE Press).
- [Miller et al.(2004)Miller, Arguello, & Greenwood] Miller, D., Arguello, R., & Greenwood, G. (2004). Evolving artificial neural network structures: Experimental results for biologically-inspired adaptive mutations. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2114–2119. (Portland, Oregon: IEEE Press).

- [Mohais et al.(2004)Mohais, Ward, & Posthoff] Mohais, A., Ward, C., & Posthoff, C. (2004). Randomized directed neighborhoods with edge migration in particle swarm optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 548–555. (Portland, Oregon: IEEE Press).
- [Mostaghim et al.(2004)Mostaghim, Hoffmann, Koenig, Frauenheim, & Teich] Mostaghim, S., Hoffmann, M., Koenig, P. H., Frauenheim, T., & Teich, J. (2004). Molecular force field parametrization using multi-objective evolutionary algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 212–219. (Portland, Oregon: IEEE Press).
- [Mostaghim & Teich(2004)] Mostaghim, S. & Teich, J. (2004). Covering pareto-optimal fronts by subswarms in multi-objective particle swarm optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1404–1411. (Portland, Oregon: IEEE Press).
- [Mumford(2004)] Mumford, C. (2004). A hierarchical evolutionary approach to multi-objective optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1944–1951. (Portland, Oregon: IEEE Press).
- [Nagata(2004)] Nagata, Y. (2004). Criteria for designing crossovers for tsp. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1465–1472. (Portland, Oregon: IEEE Press).
- [Nakagoe et al.(2004)Nakagoe, Hirasawa, & Hu] Nakagoe, H., Hirasawa, K., & Hu, J. (2004). Genetic network programming with automatically generated variable size macro nodes. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 713–719. (Portland, Oregon: IEEE Press).
- [Nakamura et al.(2004)Nakamura, Yamashiro, & Gong] Nakamura, M., Yamashiro, N., & Gong, Y. (2004). Iterative parallel and distributed genetic algorithms with biased initial population. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2296–2301. (Portland, Oregon: IEEE Press).
- [Neal & Labrosse(2004)] Neal, M. & Labrosse, F. (2004). Rotation-invariant appearance based maps for robot navigation using an artificial immune network algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 863–870. (Portland, Oregon: IEEE Press).
- [Nedjah & Mourelle(2004)] Nedjah, N. & Mourelle, L. (2004). Secure evolutionary hardware for public-key cryptosystems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2130–2137. (Portland, Oregon: IEEE Press).
- [Neel et al.(2004)Neel, Garzon, & Penumetsa] Neel, A., Garzon, M., & Penumetsa, P. (2004). Soundness and quality of semantic retrieval in dna-based memories with abiotic data. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1889–1895. (Portland, Oregon: IEEE Press).
- [Neumann(2004)] Neumann, F. (2004). Expected runtimes of evolutionary algorithms for the eulerian cycle problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 904–910. (Portland, Oregon: IEEE Press).
- [Nguyen & Ian(2004)] Nguyen, X. H. & Ian, M. R. (2004). An investigation on the roles of insertion and deletion operators in tree adjoining grammar guided genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 472–477. (Portland, Oregon: IEEE Press).
- [Nicosia et al.(2004)Nicosia, Cutello, & Pavone] Nicosia, G., Cutello, V., & Pavone, M. (2004). An immune algorithm with hyper-macromutations for the 2d hydrophilic-hydrophobic model. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1074–1080. (Portland, Oregon: IEEE Press).
- [Nojima et al.(2004)Nojima, Kubota, & Kojima] Nojima, Y., Kubota, N., & Kojima, F. (2004). Trajectory generation and accumulation for partner robots based on structured learning. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2224–2229. (Portland, Oregon: IEEE Press).

- [Noman et al.(2004)Noman, Okada, Hosoyama, & Iba] Noman, N., Okada, K., Hosoyama, N., & Iba, H. (2004). Use of clustering to improve the layout of gene network for visualization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2068–2075. (Portland, Oregon: IEEE Press).
- [Nuser & Deaton(2004)] Nuser, M. & Deaton, R. (2004). A probabilistic analysis of in vitro selection of independent dna words for computation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1882–1888. (Portland, Oregon: IEEE Press).
- [Oh & Barlow(2004)] Oh, C. & Barlow, G. (2004). Autonomous controller design for unmanned aerial vehicles using multi-objective genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1538–1545. (Portland, Oregon: IEEE Press).
- [Oh & Volper(2004)] Oh, J. & Volper, D. (2004). Design of rationality-based computing middleware: A preliminary study. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 839–846. (Portland, Oregon: IEEE Press).
- [Okabe et al.(2004)Okabe, Jin, Sendhoff, & Olhofer] Okabe, T., Jin, Y., Sendhoff, B., & Olhofer, M. (2004). Voronoi-based estimation of distribution algorithm for multi-objective optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1594–1601. (Portland, Oregon: IEEE Press).
- [Oltean(2004)] Oltean, M. (2004). Solving even-parity problems using traceless genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1813–1819. (Portland, Oregon: IEEE Press).
- [O'Neill et al.(2004)O'Neill, Brabazon, & Adley] O'Neill, M., Brabazon, A., & Adley, C. (2004). The automatic generation of programs for classification problems with grammatical swarm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 104–110. (Portland, Oregon: IEEE Press).
- [Ono et al.(2004)Ono, Seike, Morishita, Ono, & Matsui] Ono, I., Seike, Y., Morishita, R., Ono, N., & Matsui, M. (2004). An evolutionary algorithm taking account of mutual interactions among substances for inference of genetic networks. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2060–2067. (Portland, Oregon: IEEE Press).
- [O'Riordan et al.(2004)O'Riordan, Griffith, Newell, & Sorensen] O'Riordan, C., Griffith, J., Newell, J., & Sorensen, H. (2004). Co-evolution of strategies for an n-player dilemma. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1625–1630. (Portland, Oregon: IEEE Press).
- [Osmera(2004)] Osmera, P. (2004). Evolvable controllers with hierarchical structure. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 758–765. (Portland, Oregon: IEEE Press).
- [Ostrowski & Reynolds(2004)] Ostrowski, D. & Reynolds, R. G. (2004). Using cultural algorithms to evolve strategies for recessionary markets. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1780–1785. (Portland, Oregon: IEEE Press).
- [Ouellette et al.(2004)Ouellette, Browne, & Hirasawa] Ouellette, R., Browne, M., & Hirasawa, K. (2004). Genetic algorithm optimization of a convolutional neural network for autonomous crack detection. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 516–521. (Portland, Oregon: IEEE Press).
- [Ozcan & Onbasioglu(2004)] Ozcan, E. & Onbasioglu, E. (2004). Genetic algorithms for parallel code optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1375–1381. (Portland, Oregon: IEEE Press).
- [Parker (2004)] Parker, G. (2004). Partial recombination for the co-evolution of model parameters. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2216–2223. (Portland, Oregon: IEEE Press).

- [Parker & Blumenthal(2004)] Parker, G. & Blumenthal, J. (2004). Varying sample sizes for the coevolution of heterogeneous agents. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 766–771. (Portland, Oregon: IEEE Press).
- [Parmee & Abraham(2004)] Parmee, I. & Abraham, J. (2004). Supporting implicit learning via the visualisation of coga multi-objective data. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 395–402. (Portland, Oregon: IEEE Press).
- [Parrott & Li(2004)] Parrott, D. & Li, X. (2004). A particle swarm model for tracking multiple peaks in a dynamic environment using speciation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 98–103. (Portland, Oregon: IEEE Press).
- [Parsopoulos et al.(2004)Parsopoulos, Tasoulis, Pavlidis, Plagianakos, & Vrahatis] Parsopoulos, K., Tasoulis, D., Pavlidis, N., Plagianakos, V., & Vrahatis, M. (2004). Vector evaluated differential evolution for multiobjective optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 204–211. (Portland, Oregon: IEEE Press).
- [Paterlini & Krink(2004)] Paterlini, S. & Krink, T. (2004). High performance clustering with differential evolution. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2004–2011. (Portland, Oregon: IEEE Press).
- [Paul & Iba(2004)] Paul, T. & Iba, H. (2004). Selection of the most useful subset of genes for gene expression-based classification. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2076–2083. (Portland, Oregon: IEEE Press).
- [Peng & Reynolds(2004)] Peng, B. & Reynolds, R. G. (2004). Cultural algorithms: Knowledge learning in dynamic environments. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1751–1758. (Portland, Oregon: IEEE Press).
- [Pfaffmann et al.(2004)Pfaffmann, Bousmalis, & Colombano] Pfaffmann, J., Bousmalis, K., & Colombano, S. (2004). A scouting-inspired evolutionary algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1706–1712. (Portland, Oregon: IEEE Press).
- [Piaseczny et al.(2004)Piaseczny, Suzuki, & Sawai] Piaseczny, W., Suzuki, H., & Sawai, H. (2004). Chemical genetic programming evolution of amino acid rewriting rules used for genotype-phenotype translation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1639–1646. (Portland, Oregon: IEEE Press).
- [ping Chen & Goldberg(2004)] ping Chen, Y. & Goldberg, D. (2004). Convergence time for the linkage learning genetic algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 39–46. (Portland, Oregon: IEEE Press).
- [Pirzada et al.(2004)Pirzada, Datta, & McDonald] Pirzada, A., Datta, A., & McDonald, C. (2004). Trusted routing in ad-hoc networks using pheromone trails. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1938–1943. (Portland, Oregon: IEEE Press).
- [Pulido & Coello-Coello(2004)] Pulido, G. T. & Coello-Coello, C. (2004). A constraint-handling mechanism for particle swarm optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1396–1403. (Portland, Oregon: IEEE Press).
- [Randall(2004)] Randall, M. (2004). Heuristics for ant colony optimisation using the generalised assignment problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1916–1923. (Portland, Oregon: IEEE Press).
- [Ray et al.(2004)Ray, Venkatarayalu, Won, & Chan] Ray, T., Venkatarayalu, N., Won, K. S., & Chan, K. P. (2004). Study on the behaviour and implementation of parent centric crossover within the generalized generation gap model. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1996–2003. (Portland, Oregon: IEEE Press).
- [Ross et al.(2004)Ross, Marin-Blazquez, & Hart] Ross, P., Marin-Blazquez, J. G., & Hart, E. (2004). Hyper-heuristics applied to class and exam timetabling problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1691–1698. (Portland, Oregon: IEEE Press).

- [Rowland(2004)] Rowland, J. (2004). On genetic programming and knowledge discovery in transcriptome data. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 158–165. (Portland, Oregon: IEEE Press).
- [S. et al.(2004)S., Alphones, & Suganthan] S., B., Alphones, A., & Suganthan, P. N. (2004). Concurrent pso and fdr-pso based reconfigurable phase-differentiated antenna array design. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2173–2179. (Portland, Oregon: IEEE Press).
- [S. & Suganthan(2004)] S., B. & Suganthan, P. N. (2004). A novel concurrent particle swarm optimization (cpso). In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 792–796. (Portland, Oregon: IEEE Press).
- [Sait & Al-Ismail(2004)] Sait, S. M. & Al-Ismail, M. (2004). Enhanced simulated evolution algorithm for digital circuit design yielding faster execution in a larger solution space. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1794–1799. (Portland, Oregon: IEEE Press).
- [Salomon(2004a)] Salomon, R. (2004a). The curse of high-dimensional search spaces: Observing premature convergence in unimodal functions. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 918–923. (Portland, Oregon: IEEE Press).
- [Salomon(2004b)] Salomon, R. (2004b). The force model: Concept, behavior, interpretation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1119–1126. (Portland, Oregon: IEEE Press).
- [Sanchez et al.(2004a)Sanchez, Squillero, & Violante] Sanchez, E., Squillero, G., & Violante, M. (2004a). A local analysis of the genotype-fitness mapping in hardware optimization problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 871–878. (Portland, Oregon: IEEE Press).
- [Sanchez et al.(2004b)Sanchez, Galan, & Rubio] Sanchez, J. J., Galan, M., & Rubio, E. (2004b). Genetic algorithms and cellular automata: A new architecture for traffic light cycles optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1668–1674. (Portland, Oregon: IEEE Press).
- [Santos & Ohishi(2004)] Santos, E. & Ohishi, T. (2004). A hydro unit commitment model using genetic algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1368–1374. (Portland, Oregon: IEEE Press).
- [Sarif et al.(2004)Sarif, Abd-El-Barr, Sait, & Al-Saiari] Sarif, B., Abd-El-Barr, M., Sait, S. M., & Al-Saiari, U. (2004). Fuzzified ant colony optimization algorithm for efficient combinational circuits. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1317–1324. (Portland, Oregon: IEEE Press).
- [Sastry et al.(2004)Sastry, Pelikan, & Goldberg] Sastry, K., Pelikan, M., & Goldberg, D. (2004). Efficiency enhancement of genetic algorithms via building-block-wise fitness estimation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 720–727. (Portland, Oregon: IEEE Press).
- [Sato et al.(2004)Sato, Aguirre, & Tanaka] Sato, H., Aguirre, H., & Tanaka, K. (2004). Local dominance using polar coordinates to enhance multiobjective evolutionary algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 188–195. (Portland, Oregon: IEEE Press).
- [Schoenemann(2004)] Schoenemann, L. (2004). The impact of population sizes and diversity on the adaptability of evolution strategies in dynamic environments. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1270–1277. (Portland, Oregon: IEEE Press).
- [Schonfeld & Ashlock(2004)] Schonfeld, J. & Ashlock, D. (2004). Comparison of robustness of solutions located by evolutionary computation and other search algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 250–257. (Portland, Oregon: IEEE Press).

- [Sedighi et al.(2004)Sedighi, Ashenayi, Manikas, Tai, & Wainwright] Sedighi, K., Ashenayi, K., Manikas, T., Tai, H.-M., & Wainwright, R. (2004). Autonomous local path-planning for a mobile robot using a genetic algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1338–1345. (Portland, Oregon: IEEE Press).
- [Seo et al.(2004)Seo, Yasunaga, & Kim] Seo, D., Yasunaga, M., & Kim, J. H. (2004). A computatioal approach to detect transcritpion regulatory elements in dictyostelium discoideum. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1647–1653. (Portland, Oregon: IEEE Press).
- [Seredynski & Bouvry(2004)] Seredynski, M. & Bouvry, P. (2004). Block cipher based on reversible cellular automata. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2138–2143. (Portland, Oregon: IEEE Press).
- [Shan et al.(2004)Shan, McKay, Baxter, Abbass, Essam, & Nguyen] Shan, Y., McKay, R. I., Baxter, R., Abbass, H., Essam, D., & Nguyen, H. (2004). Grammar model-based program evolution. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 478–485. (Portland, Oregon: IEEE Press).
- [Sheng & Liu(2004)] Sheng, W. & Liu, X. (2004). A hybrid algorithm for k-medoid clustering of large data sets. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 77–82. (Portland, Oregon: IEEE Press).
- [Shuyuan et al.(2004a)Shuyuan, Min, & Licheng] Shuyuan, Y., Min, W., & Licheng, J. (2004a). A novel quantum evolutionary algorithm and its application. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 820–826. (Portland, Oregon: IEEE Press).
- [Shuyuan et al.(2004b)Shuyuan, Min, & Licheng] Shuyuan, Y., Min, W., & Licheng, J. (2004b). A quantum particle swarm optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 320–324. (Portland, Oregon: IEEE Press).
- [Simionescu et al.(2004)Simionescu, Beale, & Dozier] Simionescu, P. A., Beale, D. G., & Dozier, G. V. (2004). Constrained optimization problem solving using estimation of distribution algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 296–302. (Portland, Oregon: IEEE Press).
- [Simsek et al.(2004)Simsek, Albayrak, & Korth] Simsek, B., Albayrak, S., & Korth, A. (2004). Reinforcement learning for procurement agents of the factory of the future. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1331–1337. (Portland, Oregon: IEEE Press).
- [Sinka & Corne(2004)] Sinka, M. & Corne, D. (2004). Evolving document features for web document clustering: A feasability study. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 891–897. (Portland, Oregon: IEEE Press).
- [Slade et al.(2004)Slade, Ressom, Musavi, & Miller] Slade, W., Ressom, H., Musavi, M., & Miller, R. (2004). Ocean color inversion by particle swarm optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 971–977. (Portland, Oregon: IEEE Press).
- [Smith et al.(2004)Smith, Everson, & Fieldsend] Smith, K., Everson, R., & Fieldsend, J. (2004). Dominance measures for multi-objective simulated annealing. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 23–30. (Portland, Oregon: IEEE Press).
- [Song & Ciesielski(2004)] Song, A. & Ciesielski, V. (2004). Texture analysis by genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2092–2099. (Portland, Oregon: IEEE Press).
- [Speer et al.(2004)Speer, Spieth, & Zell] Speer, N., Spieth, C., & Zell, A. (2004). A memetic coclustering algorithm for gene expression profiles and biological annotation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1631–1638. (Portland, Oregon: IEEE Press).

- [Spieth et al.(2004a)Spieth, Streichert, Speer, & Zell] Spieth, C., Streichert, F., Speer, N., & Zell, A. (2004a). A memetic inference method for gene regulatory networks based on s-systems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 152–157. (Portland, Oregon: IEEE Press).
- [Spieth et al.(2004b)Spieth, Streichert, Speer, & Zell] Spieth, C., Streichert, F., Speer, N., & Zell, A. (2004b). Utilizing an island model for ea to preserve solution diversity for inferring gene regulatory networks. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 146–151. (Portland, Oregon: IEEE Press).
- [Stanhope(2004)] Stanhope, S. (2004). Evolution strategies for multivariate-to-anything partially specified random vector generation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2235–2240. (Portland, Oregon: IEEE Press).
- [Stephan & Sullivan(2004)] Stephan, C. & Sullivan, J. (2004). An agent-based hydrogen vehicle/infrastructure model. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1774–1779. (Portland, Oregon: IEEE Press).
- [Stoica et al.(2004)Stoica, Arslan, Keymeulen, Duong, Zebulum, Guo, Ferguson, & Daud] Stoica, A., Arslan, T., Keymeulen, D., Duong, V., Zebulum, R., Guo, X., Ferguson, I., & Daud, T. (2004). Evolutionary recovery of electronic circuits from radiation induced faults. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1786–1793. (Portland, Oregon: IEEE Press).
- [Streichert et al.(2004)Streichert, Ulmer, & Zell] Streichert, F., Ulmer, H., & Zell, A. (2004). Evaluating a hybrid encoding and three crossover operators on the constrained portfolio selection problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 932–939. (Portland, Oregon: IEEE Press).
- [Sun et al.(2004)Sun, Feng, Xu, Liu, & Bao] Sun, J., Feng, B., Xu, W., Liu, J., & Bao, L. (2004). Particle swarm optimization with particles having quantum behavior. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 325–331. (Portland, Oregon: IEEE Press).
- [Sun & Just(2004)] Sun, X. & Just, W. (2004). Evolution of strategies in modified sequential assessment games. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 388–394. (Portland, Oregon: IEEE Press).
- [Suram et al.(2004)Suram, Bryden, & Ashlock] Suram, S., Bryden, K., & Ashlock, D. (2004). Quantitative trait loci based solution of an inverse radiation heat transfer problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 427–432. (Portland, Oregon: IEEE Press).
- [Takahashi & Kobayashi(2004)] Takahashi, O. & Kobayashi, S. (2004). An angular distance dependent alternation model for real-coded genetic algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2159–2165. (Portland, Oregon: IEEE Press).
- [Tanaka-Yamawaki & Motoyama(2004)] Tanaka-Yamawaki, M. & Motoyama, T. (2004). Predicting the tick-wise price fluctuations by means of evolutional computation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 955–958. (Portland, Oregon: IEEE Press).
- [Tanev et al.(2004)Tanev, Ray, & Buller] Tanev, I., Ray, T., & Buller, A. (2004). Evolutionary design, robustness and adaptation of sidewinding locomotion of simulated libmless wheelless robot. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2312–2319. (Portland, Oregon: IEEE Press).
- [Tang et al.(2004)Tang, Suganthan, & Yao] Tang, K., Suganthan, P. N., & Yao, X. (2004). Generalized lda using relevance weighting and evolution strategy. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2230–2234. (Portland, Oregon: IEEE Press).

- [Tasgetiren et al.(2004)Tasgetiren, Sevkli, Liang, & Gencyilmaz] Tasgetiren, M. F., Sevkli, M., Liang, Y.-C., & Gencyilmaz, G. (2004). Particle swarm optimization algorithm for single machine total weighted tardiness problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1412–1419. (Portland, Oregon: IEEE Press).
- [Tasoulis et al.(2004)Tasoulis, Pavlidis, Plagianakos, & Vrahatis] Tasoulis, D., Pavlidis, N., Plagianakos, V., & Vrahatis, M. (2004). Parallel differential evolution. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2023–2029. (Portland, Oregon: IEEE Press).
- [Tavares et al.(2004)Tavares, Pereira, & Costa] Tavares, J., Pereira, F., & Costa, E. (2004). Understanding the role of insertion and correction in the evolution of golomb rulers. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 69–76. (Portland, Oregon: IEEE Press).
- [Teredesai & Govindaraju(2004)] Teredesai, A. & Govindaraju, V. (2004). Issues in evolving gp based classifiers for a pattern recognition task. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 509–515. (Portland, Oregon: IEEE Press).
- [Thomsen(2004)] Thomsen, R. (2004). Multimodal optimization using crowding-based differential evolution. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1382–1389. (Portland, Oregon: IEEE Press).
- [Timmis et al.(2004)Timmis, Edmonds, & Kelsey] Timmis, J., Edmonds, C., & Kelsey, J. (2004). Assessing the performance of two immune inspired algorithms and a hybrid genetic algorithm for function optimisation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1044–1051. (Portland, Oregon: IEEE Press).
- [Tinos & Carvalho(2004)] Tinos, R. & Carvalho, A. (2004). A genetic algorithm with gene dependent mutation probability for non-stationary optimization problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1278–1285. (Portland, Oregon: IEEE Press).
- [Tomassini et al.(2004)Tomassini, Vanneschi, Cuendet, & Fernandez] Tomassini, M., Vanneschi, L., Cuendet, J., & Fernandez, F. (2004). A new technique for dynamic size populations in genetic programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 486–493. (Portland, Oregon: IEEE Press).
- [Tongchim & Yao(2004)] Tongchim, S. & Yao, X. (2004). Parallel evolutionary programming. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1362–1367. (Portland, Oregon: IEEE Press).
- [Treptow & Zell(2004)] Treptow, A. & Zell, A. (2004). Combining adaboost learning and evolutionary search to select features for real-time object detection. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2107–2113. (Portland, Oregon: IEEE Press).
- [Tsutsui & Wilson(2004)] Tsutsui, S. & Wilson, G. (2004). Solving capacitated vehicle routing problems using edge histogram based sampling algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1150–1157. (Portland, Oregon: IEEE Press).
- [Tulai & Oppacher(2004)] Tulai, A. & Oppacher, F. (2004). Maintaining diversity and increasing the accuracy of classification rules through automatic speciation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2241–2249. (Portland, Oregon: IEEE Press).
- [Ulmer et al.(2004)Ulmer, Streichert, & Zell] Ulmer, H., Streichert, F., & Zell, A. (2004). Evolution strategies with controlled model assistance. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1569–1576. (Portland, Oregon: IEEE Press).
- [Uosaki et al.(2004)Uosaki, Kimura, & Hatanaka] Uosaki, K., Kimura, Y., & Hatanaka, T. (2004). Evolution strategies based particle filters for state and parameter estimation of nonlinear models. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 884–890. (Portland, Oregon: IEEE Press).

- [Uyar & Uyar(2004)] Uyar, A. S. & Uyar, H. T. (2004). An event-driven test framework for evolutionary algorithms in dynamic environments. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2265–2272. (Portland, Oregon: IEEE Press).
- [Venkatraman & Yen(2004)] Venkatraman, S. & Yen, G. (2004). A simple elitist genetic algorithm for constrained optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 288–295. (Portland, Oregon: IEEE Press).
- [Verel et al.(2004)Verel, Collard, & Clergue] Verel, S., Collard, P., & Clergue, M. (2004). Scuba search: when selection meets innovation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 924–931. (Portland, Oregon: IEEE Press).
- [Vesterstroem & Thomsen(2004)] Vesterstroem, J. & Thomsen, R. (2004). A comparative study of differential evolution, particle swarm optimization, and evolutionary algorithms on numerical benchmark problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1980–1987. (Portland, Oregon: IEEE Press).
- [Vigraham & Gallagher (2004)] Vigraham, S. & Gallagher, J. (2004). On the relative efficacies of space saving \*cgas for evolvable hardware applications. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2187–2193. (Portland, Oregon: IEEE Press).
- [Walker(2004)] Walker, R. L. (2004). Honeybee search strategies: Adaptive exploration of an information ecosystem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1209–1216. (Portland, Oregon: IEEE Press).
- [Walsh & Fenton(2004)] Walsh, P. & Fenton, P. (2004). A high-throughput computing environment for job shop scheduling genetic algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1554–1560. (Portland, Oregon: IEEE Press).
- [Watanabe & Nodu(2004)] Watanabe, I. & Nodu, M. (2004). A genetic algorithm for optimizing switching sequence of service restoration in distribution systems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1683–1690. (Portland, Oregon: IEEE Press).
- [Wei & Lee(2004)] Wei, J.-D. & Lee, D.-T. (2004). A new approach to the traveling salesman problem using genetic algorithms with priority encoding. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1457–1464. (Portland, Oregon: IEEE Press).
- [Weinberg & Talbi(2004)] Weinberg, B. & Talbi, E.-G. (2004). Nfl theorem is unusable on structured classes of problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 220–226. (Portland, Oregon: IEEE Press).
- [White & Yen(2004)] White, C. & Yen, G. (2004). A hybrid evolutionary algorithm for traveling salesman problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1473–1478. (Portland, Oregon: IEEE Press).
- [Won & Ray(2004)] Won, K. S. & Ray, T. (2004). Performance of kriging and cokriging based surrogate models within the unified framework for surrogate assisted optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1577–1585. (Portland, Oregon: IEEE Press).
- [Wong et al.(2004)Wong, Cote, & Sabourin] Wong, T., Cote, P., & Sabourin, R. (2004). A hybrid moea for the capacitated exam proximity problem. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1495–1501. (Portland, Oregon: IEEE Press).
- [Wood & Chen(2004)] Wood, D. & Chen, J. (2004). Fredkin gate circuits via recombination enzymes. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1896–1900. (Portland, Oregon: IEEE Press).
- [Wu et al.(2004)Wu, Tang, Zou, Kang, & Li] Wu, Z., Tang, Z., Zou, J., Kang, L., & Li, M. (2004). An evolutionary algorithm for solving parameter identification problems in elliptic systems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 803–808. (Portland, Oregon: IEEE Press).

- [Xie et al.(2004a)Xie, Zhang, & Bi] Xie, X.-F., Zhang, W.-J., & Bi, D.-C. (2004a). Handling equality constraints by adaptive relaxing rule for swarm algorithms. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2012–2016. (Portland, Oregon: IEEE Press).
- [Xie et al.(2004b)Xie, Zhang, & Bi] Xie, X.-F., Zhang, W.-J., & Bi, D.-C. (2004b). Optimizing semiconductor devices by self-organizing particle swarm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2017–2022. (Portland, Oregon: IEEE Press).
- [Xu et al.(2004)Xu, Salcedo-Sanz, & Yao] Xu, Y., Salcedo-Sanz, S., & Yao, X. (2004). Non-standard cost terminal assignment problems using tabu search approach. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2302–2306. (Portland, Oregon: IEEE Press).
- [Yang & Shen(2004)] Yang, J.-M. & Shen, T.-W. (2004). A pharmacophore-based evolutionary approach for screening estrogen receptor antagonists. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1028–1035. (Portland, Oregon: IEEE Press).
- [Yang(2004)] Yang, S. (2004). Constructing dynamic test environments for genetic algorithms based on problem difficulty. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1262–1269. (Portland, Oregon: IEEE Press).
- [Yannakakis et al.(2004) Yannakakis, Levine, & Hallam] Yannakakis, G., Levine, J., & Hallam, J. (2004). An evolutionary approach for interactive computer games. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 986–993. (Portland, Oregon: IEEE Press).
- [Yapicioglu et al.(2004)Yapicioglu, Dozier, & Smith] Yapicioglu, H., Dozier, G. V., & Smith, A. E. (2004). Bi-criteria model for locating a semi-desirable facility on a plane using particle swarm optimization. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2328–2334. (Portland, Oregon: IEEE Press).
- [Yong-Duk et al.(2004)Yong-Duk, Jong-Hwan, & Yong-Jae] Yong-Duk, K., Jong-Hwan, K., & Yong-Jae, K. (2004). Behavior selection and learning for synthetic character. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 898–903. (Portland, Oregon: IEEE Press).
- [Yuchi & Kim(2004)] Yuchi, M. & Kim, J.-H. (2004). Grouping-based evolutionary algorithm: Seeking balance between feasible and infeasible individuals of constrained optimization problems. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 280–287. (Portland, Oregon: IEEE Press).
- [Yun et al.(2004)Yun, Nakayama, & Arakawa] Yun, Y., Nakayama, H., & Arakawa, M. (2004). Fitness evaluation using generalized data envelopment analysis in moga. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 464–471. (Portland, Oregon: IEEE Press).
- [Zhang & Dozier(2004)] Zhang, F. & Dozier, G. V. (2004). A comparison of distributed restricted recombination operators for genetic and evolutionary societies of hill-climbers: A disacsp perspective. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1988–1995. (Portland, Oregon: IEEE Press).
- [Zhang & Huang(2004)] Zhang, G.-Z. & Huang, D.-S. (2004). Radial basis function neural network optimized by ga for soybean protein sequence residue spatial distance prediction. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1015–1019. (Portland, Oregon: IEEE Press).
- [Zhang et al.(2004a)Zhang, Chung, & Hu] Zhang, J., Chung, H., & Hu, B. (2004a). Adaptive probabilities of crossover and mutation in genetic algorithms based on clustering technique. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2280–2287. (Portland, Oregon: IEEE Press).
- [Zhang et al.(2004b)Zhang, Yuan, & Buckles] Zhang, J., Yuan, X., & Buckles, B. (2004b). Subspace fdc for sharing distance estimation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1735–1742. (Portland, Oregon: IEEE Press).

- [Zhang et al.(2004c)Zhang, Xie, & Bi] Zhang, W.-J., Xie, X.-F., & Bi, D.-C. (2004c). Handling boundary constraints for numrical optimization by particle swarm flying in periodic search space. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2307–2311. (Portland, Oregon: IEEE Press).
- [Zheng et al.(2004)Zheng, Ling, Shi, & Xie] Zheng, J., Ling, C. X., Shi, Z., & Xie, Y. (2004). Some discussions about mogas: Individual relations, non-dominated set, and application on automatic negotiation. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 706–712. (Portland, Oregon: IEEE Press).
- [Zhou et al.(2004)Zhou, Ong, & Nair] Zhou, Z., Ong, Y. S., & Nair, P. B. (2004). Hierarchical surrogate-assisted evolutionary optimization framework. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 1586–1593. (Portland, Oregon: IEEE Press).
- [Zou et al.(2004a)Zou, Zhou, Chen, & Yao] Zou, P., Zhou, Z., Chen, G., & Yao, X. (2004a). A novel memetic algorithm with random multi-local-search: A case study of tsp. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 2335–2340. (Portland, Oregon: IEEE Press).
- [Zou et al.(2004b)Zou, Zhuang, & Chen] Zou, Y., Zhuang, Z., & Chen, H. (2004b). Hw-sw partitioning based on genetic algorithm. In Proceedings of the 2004 IEEE Congress on Evolutionary Computation, pp. 628–633. (Portland, Oregon: IEEE Press).