

Список литературы

- [Agogino and Tumer(2004)] Adrian Agogino and Kagan Tumer. 2004. [Efficient evaluation functions for multi-rover systems](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1–11, Seattle, WA, USA. Springer-Verlag.
- [Aguilar-Ruiz et al.(2004a)Aguilar-Ruiz, Bacardit, and Divina] Jesus Aguilar-Ruiz, Jaume Bacardit, and Federico Divina. 2004a. [Experimental evaluation of discretization schemes for rule induction](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 828–839, Seattle, WA, USA. Springer-Verlag.
- [Aguilar-Ruiz et al.(2004b)Aguilar-Ruiz, Mateos, Giraldez, and Riquelme] Jesus S. Aguilar-Ruiz, Daniel Mateos, Raul Giraldez, and Jose C. Riquelme. 2004b. [Statistical test-based evolutionary segmentation of yeast genome](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 493–494, Seattle, WA, USA. Springer-Verlag.
- [Ahn et al.(2004)Ahn, Ramakrishna, and Goldberg] Chang Wook Ahn, R.S. Ramakrishna, and David E. Goldberg. 2004. [Real-coded bayesian optimization algorithm: Bringing the strength of boa into the continuous world](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 840–851, Seattle, WA, USA. Springer-Verlag.
- [Alba and Chicano(2004)] Enrique Alba and J. Francisco Chicano. 2004. [Training neural networks with ga hybrid algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 852–863, Seattle, WA, USA. Springer-Verlag.
- [Alba and Luque(2004)] Enrique Alba and Gabriel Luque. 2004. [Growth curves and takeover time in distributed evolutionary algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 864–876, Seattle, WA, USA. Springer-Verlag.
- [Albrecht(2004)] Andreas A. Albrecht. 2004. [On the complexity to approach optimum solutions by inhomogeneous markov chains](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 642–653, Seattle, WA, USA. Springer-Verlag.
- [Aporntewan and Chongstitvatana(2004)] Chatchawit Aporntewan and Prabhas Chongstitvatana. 2004. [Simultaneity matrix for solving hierarchically decomposable functions](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 877–888, Seattle, WA, USA. Springer-Verlag.
- [Araujo et al.(2004)Araujo, Luque, and Alba] Lourdes Araujo, Gabriel Luque, and Enrique Alba. 2004. [Metaheuristics for natural language tagging](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 889–900, Seattle, WA, USA. Springer-Verlag.
- [Bader-Natal and Pollack(2004)] Ari Bader-Natal and Jordan B. Pollack. 2004. [A population-differential method of monitoring success and failure in coevolution](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 585–586, Seattle, WA, USA. Springer-Verlag.
- [Ballester and Carter(2004)] Pedro J. Ballester and Jonathan N. Carter. 2004. [An effective real-parameter genetic algorithm with parent centric normal crossover for multimodal optimisation](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 901–913, Seattle, WA, USA. Springer-Verlag.
- [Bassett et al.(2004)Bassett, Potter, and Jong] Jeffrey K. Bassett, Mitchell A. Potter, and Kenneth A. De Jong. 2004. [Looking under the ea hood with price’s equation](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 914–922, Seattle, WA, USA. Springer-Verlag.

- [Belda et al.(2004)Belda, Llorà, Martinell, Tarragó, and Giralt] Ignasi Belda, Xavier Llorà, Marc Martinell, Teresa Tarragó, and Ernest Giralt. 2004. [Computer-aided peptide evolution for virtual drug design](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 321–332, Seattle, WA, USA. Springer-Verlag.
- [Berlik(2004)] Stefan Berlik. 2004. [A step size preserving directed mutation operator](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 786–787, Seattle, WA, USA. Springer-Verlag.
- [Berro and Sanchez(2004)] Alain Berro and Stephane Sanchez. 2004. [Autonomous agent for multi-objective optimization](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 251–252, Seattle, WA, USA. Springer-Verlag.
- [Beyer(2004)] Hans-Georg Beyer. 2004. [Actuator noise in recombinant evolution strategies on general quadratic fitness models](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 654–665, Seattle, WA, USA. Springer-Verlag.
- [Bongard and Lipson(2004)] Josh C. Bongard and Hod Lipson. 2004. [Automating genetic network inference with minimal physical experimentation using coevolution](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 333–345, Seattle, WA, USA. Springer-Verlag.
- [Brabazon et al.(2004)Brabazon, Silva, de Sousa, O’Neill, Matthews, and Costa] Anthony Brabazon, Arlindo Silva, Tiago Ferra de Sousa, Michael O’Neill, Robin Matthews, and Ernesto Costa. 2004. [A particle swarm model of organizational adaptation](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 12–23, Seattle, WA, USA. Springer-Verlag.
- [Branke et al.(2004)Branke, Kamper, and Schmeck] Jürgen Branke, Andreas Kamper, and Hartmut Schmeck. 2004. [Distribution of evolutionary algorithms in heterogeneous networks](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 923–934, Seattle, WA, USA. Springer-Verlag.
- [Bucci et al.(2004)Bucci, Pollack, and de Jong] Anthony Bucci, Jordan B. Pollack, and Edwin de Jong. 2004. [Automated extraction of problem structure](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 501–512, Seattle, WA, USA. Springer-Verlag.
- [Buehler et al.(2004)Buehler, Das, and Cully] Erik C. Buehler, Sanjoy Das, and Jack F. Cully. 2004. [Equilibrium and extinction in a trisexual diploid mating system: An investigation](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 495–496, Seattle, WA, USA. Springer-Verlag.
- [Bui and Rizzo(2004)] Thang N. Bui and Joseph R. Rizzo. 2004. [Finding maximum cliques with distributed ants](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 24–35, Seattle, WA, USA. Springer-Verlag.
- [Bui and Sundarraj(2004)] Thang N. Bui and Gnanasekaran Sundarraj. 2004. [Ant system for the k-cardinality tree problem](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 36–47, Seattle, WA, USA. Springer-Verlag.
- [Burns and May(2004)] Daniel J. Burns and Kevin T. May. 2004. [On parameterizing models of antigen-antibody binding dynamics on surfaces: A genetic algorithm approach and the need for speed](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 497–498, Seattle, WA, USA. Springer-Verlag.

- [Buyukbozkirli and Goodman(2004)] Bulent Buyukbozkirli and Erik D. Goodman. 2004. [A statistical model of ga dynamics for the onemax problem](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 935–946, Seattle, WA, USA. Springer-Verlag.
- [Cantú-Paz(2004a)] Erick Cantú-Paz. 2004a. [Adaptive sampling for noisy problems](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 947–958, Seattle, WA, USA. Springer-Verlag.
- [Cantú-Paz(2004b)] Erick Cantú-Paz. 2004b. [Feature subset selection, class separability, and genetic algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 959–970, Seattle, WA, USA. Springer-Verlag.
- [Chang et al.(2004)Chang, Ohkura, Ueda, and Sugiyama] Ming Chang, Kazuhiro Ohkura, Kanji Ueda, and Masaharu Sugiyama. 2004. [Modeling coevolutionary genetic algorithms on two-bit landscapes: Random partnering](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 513–524, Seattle, WA, USA. Springer-Verlag.
- [ping Chen and Goldberg(2004)] Ying ping Chen and David E. Goldberg. 2004. [Introducing subchromosome representations to the linkage learning genetic algorithm](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 971–982, Seattle, WA, USA. Springer-Verlag.
- [Cheng and Kosorukoff(2004)] Chihyung Derrick Cheng and Alexander Kosorukoff. 2004. [Interactive one-max problem allows to compare the performance of interactive and human-based genetic algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 983–993, Seattle, WA, USA. Springer-Verlag.
- [Chitty(2004)] Darren M. Chitty. 2004. [An evolved autonomous controller for satellite task scheduling](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 253–254, Seattle, WA, USA. Springer-Verlag.
- [Chitty and Hernandez(2004)] Darren M. Chitty and Marcel L. Hernandez. 2004. [A hybrid ant colony optimisation technique for dynamic vehicle routing](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 48–59, Seattle, WA, USA. Springer-Verlag.
- [Choi and Moon(2004)] Sung-Soon Choi and Byung-Ro Moon. 2004. [Polynomial approximation of survival probabilities under multi-point crossover](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 994–1005, Seattle, WA, USA. Springer-Verlag.
- [Chow(2004)] Rick Chow. 2004. [Genotype to phenotype mappings with a multiple-chromosome genetic algorithm](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1006–1017, Seattle, WA, USA. Springer-Verlag.
- [Chrysomalakos and Stephens(2004)] Chrysomalis Chrysomalakos and Christopher R. Stephens. 2004. [What basis for genetic dynamics?](#) In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1018–1029, Seattle, WA, USA. Springer-Verlag.
- [Clevenger and Hart(2004)] Lauren M. Clevenger and William E. Hart. 2004. [Convergence examples of a filter-based evolutionary algorithm](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 666–677, Seattle, WA, USA. Springer-Verlag.
- [Cornforth and Kirley(2004)] David Cornforth and Michael Kirley. 2004. [Cooperative problem solving using an agent-based market](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 60–71, Seattle, WA, USA. Springer-Verlag.

- [Curran and O’Riordan(2004)] Dara Curran and Colm O’Riordan. 2004. [Cultural evolution for sequential decision tasks: Evolving tic-tac-toe players in multi-agent systems](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 72–80, Seattle, WA, USA. Springer-Verlag.
- [Deb and Gupta(2004)] Kalyanmoy Deb and Naveen Kumar Gupta. 2004. [Optimal operating conditions for overhead crane maneuvering using multi-objective evolutionary algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1042–1053, Seattle, WA, USA. Springer-Verlag.
- [Deb and Pal(2004)] Kalyanmoy Deb and Koushik Pal. 2004. [Efficiently solving: A large-scale integer linear program using a customized genetic algorithm](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1054–1065, Seattle, WA, USA. Springer-Verlag.
- [Delbem et al.(2004)] Delbem, de Carvalho, Policastro, Pinto, Honda, and Garcia] A.C.B. Delbem, Andre de Carvalho, Claudio A. Policastro, Adriano K.O. Pinto, Karen Honda, and Anderson C. Garcia. 2004. [Node-depth encoding for evolutionary algorithms applied to network design](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 678–687, Seattle, WA, USA. Springer-Verlag.
- [Dicke et al.(2004)] Dicke, Byde, Layzell, and Cliff] Elizabeth Dicke, Andrew Byde, Paul Layzell, and Dave Cliff. 2004. [Using a genetic algorithm to design and improve storage area network architectures](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1066–1077, Seattle, WA, USA. Springer-Verlag.
- [Dignum and Poli(2004)] Stephen Dignum and Riccardo Poli. 2004. [Multi-agent foreign exchange market modelling via gp](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 255–256, Seattle, WA, USA. Springer-Verlag.
- [Downing(2004)] Keith L. Downing. 2004. [Artificial life and natural intelligence](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 81–92, Seattle, WA, USA. Springer-Verlag.
- [Dozier et al.(2004a)] Dozier, Brown, Hurley, and Cain] Gerry Dozier, Douglas Brown, John Hurley, and Krystal Cain. 2004a. [Vulnerability analysis of immunity-based intrusion detection systems using evolutionary hackers](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 263–274, Seattle, WA, USA. Springer-Verlag.
- [Dozier et al.(2004b)] Dozier, Cunningham, Britt, and Zhang] Gerry Dozier, Hurley Cunningham, Winard Britt, and Funing Zhang. 2004b. [Distributed constraint satisfaction, restricted recombination, and hybrid genetic search](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1078–1087, Seattle, WA, USA. Springer-Verlag.
- [Drewes et al.(2004)] Drewes, Maciokas, Louis, and Goodman] Rich Drewes, James Maciokas, Sushil J. Louis, and Philip Goodman. 2004. [An evolutionary autonomous agent with visual cortex and recurrent spiking columnar neural network](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 257–258, Seattle, WA, USA. Springer-Verlag.
- [Droste(2004)] Stefan Droste. 2004. [Analysis of the \$\(1 + 1\)\$ ea for a noisy onemax](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1088–1099, Seattle, WA, USA. Springer-Verlag.
- [Fischer(2004)] Simon Fischer. 2004. [A polynomial upper bound for a mutation-based algorithm on the two-dimensional ising model](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1100–1112, Seattle, WA, USA. Springer-Verlag.

- [Fischer and Wegener(2004)] Simon Fischer and Ingo Wegener. 2004. [The ising model on the ring: Mutation versus recombination](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1113–1124, Seattle, WA, USA. Springer-Verlag.
- [Garibay et al.(2004)Garibay, Garibay, and Wu] Ivan I. Garibay, Ozlem O. Garibay, and Annie S. Wu. 2004. [Effects of module encapsulation in repetitively modular genotypes on the search space](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1125–1137, Seattle, WA, USA. Springer-Verlag.
- [Giacobini et al.(2004)Giacobini, Alba, Tettamanzi, and Tomassini] Mario Giacobini, Enrique Alba, Andrea Tettamanzi, and Marco Tomassini. 2004. [Modeling selection intensity for toroidal cellular evolutionary algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1138–1149, Seattle, WA, USA. Springer-Verlag.
- [Gomez(2004a)] Jonatan Gomez. 2004a. [Evolution of fuzzy rule based classifiers](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1150–1161, Seattle, WA, USA. Springer-Verlag.
- [Gomez(2004b)] Jonatan Gomez. 2004b. [Self adaptation of operator rates in evolutionary algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1162–1173, Seattle, WA, USA. Springer-Verlag.
- [Gómez and Barán(2004)] Osvaldo Gómez and Benjamin Barán. 2004. [Arguments for aco’s success](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 259–260, Seattle, WA, USA. Springer-Verlag.
- [Grahl and Rothlauf(2004)] Jörn Grahl and Franz Rothlauf. 2004. [Polyeda: Combining estimation of distribution algorithms and linear inequality constraints](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1174–1185, Seattle, WA, USA. Springer-Verlag.
- [Grajdeanu and Jong(2004)] Adrian Grajdeanu and Kenneth De Jong. 2004. [Improving the locality properties of binary representations](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1186–1196, Seattle, WA, USA. Springer-Verlag.
- [Greene(2004)] William A. Greene. 2004. [Schema disruption in chromosomes that are structured as binary trees](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1197–1207, Seattle, WA, USA. Springer-Verlag.
- [Grosan(2004)] Crina Grosan. 2004. [A comparison of several algorithms and representations for single objective optimization](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 788–789, Seattle, WA, USA. Springer-Verlag.
- [Hang and Dai(2004)] Xiaoshu Hang and Honghua Dai. 2004. [Constructing detectors in schema complementary space for anomaly detection](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 275–286, Seattle, WA, USA. Springer-Verlag.
- [Howard and Sheppard(2004)] Brian Howard and John Sheppard. 2004. [The royal road not taken: A re-examination of the reasons for ga failure on r1](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1208–1219, Seattle, WA, USA. Springer-Verlag.
- [Hu and Goodman(2004)] Jianjun Hu and Erik Goodman. 2004. [Robust and efficient genetic algorithms with hierarchical niching and a sustainable evolutionary computation model](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1220–1232, Seattle, WA, USA. Springer-Verlag.

- [Huang and Rocha(2004)] Chien-Feng Huang and Luis M. Rocha. 2004. [A systematic study of genetic algorithms with genotype editing](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1233–1245, Seattle, WA, USA. Springer-Verlag.
- [Inoue et al.(2004)] Inoue, Tohge, and Iba] Yutaka Inoue, Takahiro Tohge, and Hitoshi Iba. 2004. [Learning to acquire autonomous behavior: Cooperation by humanoid robots](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 590–602, Seattle, WA, USA. Springer-Verlag.
- [Iorio and Li(2004)] Antony W. Iorio and Xiaodong Li. 2004. [A cooperative coevolutionary multiobjective algorithm using non-dominated sorting](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 537–548, Seattle, WA, USA. Springer-Verlag.
- [Ishibuchi and Narukawa(2004)] Hisao Ishibuchi and Kaname Narukawa. 2004. [Some issues on the implementation of local search in evolutionary multiobjective optimization](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1246–1258, Seattle, WA, USA. Springer-Verlag.
- [Ishibuchi and Shibata(2004)] Hisao Ishibuchi and Youhei Shibata. 2004. [Mating scheme for controlling the diversity-convergence balance for multiobjective optimization](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1259–1271, Seattle, WA, USA. Springer-Verlag.
- [Jakob et al.(2004)] Jakob, Blume, and Bretthauer] Wilfried Jakob, Christian Blume, and Georg Bretthauer. 2004. [Towards a generally applicable self-adapting hybridization of evolutionary algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 790–791, Seattle, WA, USA. Springer-Verlag.
- [Ji and Dasgupta(2004)] Zhou Ji and Dipankar Dasgupta. 2004. [Real-valued negative selection algorithm with variable-sized detectors](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 287–298, Seattle, WA, USA. Springer-Verlag.
- [Jin and Sendhoff(2004)] Yaochu Jin and Bernhard Sendhoff. 2004. [Reducing fitness evaluations using clustering techniques and neural network ensembles](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 688–699, Seattle, WA, USA. Springer-Verlag.
- [de Jong(2004)] Edwin D. de Jong. 2004. [The incremental pareto-coevolution archive](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 525–536, Seattle, WA, USA. Springer-Verlag.
- [de Jong and Thierens(2004)] Edwin D. de Jong and Dirk Thierens. 2004. [Exploiting modularity, hierarchy, and repetition in variable-length problems](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1030–1041, Seattle, WA, USA. Springer-Verlag.
- [Julstrom(2004)] Bryant A. Julstrom. 2004. [Encoding bounded-diameter spanning trees with permutations and with random keys](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1272–1281, Seattle, WA, USA. Springer-Verlag.
- [Julstrom and Antoniadis(2004)] Bryant A. Julstrom and Athos Antoniadis. 2004. [Three evolutionary codings of rectilinear steiner arborescences](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1282–1291, Seattle, WA, USA. Springer-Verlag.
- [Jung and Moon(2004)] Soonchul Jung and Byung-Ro Moon. 2004. [Central point crossover for neuro-genetic hybrids](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1292–1303, Seattle, WA, USA. Springer-Verlag.

- [Just and Sun(2004)] Winfried Just and Xiaolu Sun. 2004. [Is the predicted ess in the sequential assessment game evolvable?](#) In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 499–500, Seattle, WA, USA. Springer-Verlag.
- [Keymeulen et al.(2004)Keymeulen, Zebulum, Duong, Guo, Ferguson, and Stoica] Didier Keymeulen, Ricardo Zebulum, Vu Duong, Xin Guo, Ian Ferguson, and Adrian Stoica. 2004. [High temperature experiments for circuit self-recovery](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 792–803, Seattle, WA, USA. Springer-Verlag.
- [Kim et al.(2004)Kim, Lee, and Moon] Yong-Hyuk Kim, Su-Yeon Lee, and Byung-Ro Moon. 2004. [A genetic approach for gene selection on microarray expression data](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 346–355, Seattle, WA, USA. Springer-Verlag.
- [Klau et al.(2004)Klau, Ljubic, Moser, Mutzel, Neuner, Pferschy, Raidl, and Weiskircher] Gunnar W. Klau, Ivana Ljubic, Andreas Moser, Petra Mutzel, Philipp Neuner, Ulrich Pferschy, Günther Raidl, and René Weiskircher. 2004. [Combining a memetic algorithm with integer programming to solve the prize-collecting steiner tree problem](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1304–1315, Seattle, WA, USA. Springer-Verlag.
- [Koduru et al.(2004)Koduru, Das, Welch, and Roe] Praveen Koduru, Sanjoy Das, Stephen Welch, and Judith L. Roe. 2004. [Fuzzy dominance based multi-objective ga-simplex hybrid algorithms applied to gene network models](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 356–367, Seattle, WA, USA. Springer-Verlag.
- [Kowaliw et al.(2004)Kowaliw, Grogono, and Kharma] T. Kowaliw, P. Grogono, and N. Kharma. 2004. [Bluenome: A novel developmental model of artificial morphogenesis](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 93–104, Seattle, WA, USA. Springer-Verlag.
- [Langeheine et al.(2004)Langeheine, Trefzer, Brüderle, Meier, and Schemmel] Jörg Langeheine, Martin Trefzer, Daniel Brüderle, Karlheinz Meier, and Johannes Schemmel. 2004. [On the evolution of analog electronic circuits using building blocks on a cmos fpta](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1316–1327, Seattle, WA, USA. Springer-Verlag.
- [Li(2004a)] Xiaodong Li. 2004a. [Adaptively choosing neighbourhood bests using species in a particle swarm optimizer for multimodal function optimization](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 105–116, Seattle, WA, USA. Springer-Verlag.
- [Li(2004b)] Xiaodong Li. 2004b. [Better spread and convergence: Particle swarm multiobjective optimization using the maximin fitness function](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 117–128, Seattle, WA, USA. Springer-Verlag.
- [Liekens et al.(2004)Liekens, ten Eikelder, and Hilbers] Anthony M.L. Liekens, Huub M.M. ten Eikelder, and Peter A.J. Hilbers. 2004. [Predicting genetic drift in 2x2 games](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 549–560, Seattle, WA, USA. Springer-Verlag.
- [Lima and Lobo(2004)] Cláudio F. Lima and Fernando G. Lobo. 2004. [Parameter-less optimization with the extended compact genetic algorithm and iterated local search](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1328–1339, Seattle, WA, USA. Springer-Verlag.

- [Lunacek et al.(2004)Lunacek, Whitley, Gabriel, and Stephens] Monte Lunacek, Darrell Whitley, Philip Gabriel, and Graeme Stephens. 2004. [Comparing search algorithms for the temperature inversion problem](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1340–1351, Seattle, WA, USA. Springer-Verlag.
- [de Magalhães et al.(2004)de Magalhães, Barbosa, and Dardenne] Camila S. de Magalhães, Helio J.C. Barbosa, and Laurent E. Dardenne. 2004. [Selection-insertion schemes in genetic algorithms for the flexible ligand docking problem](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 368–379, Seattle, WA, USA. Springer-Verlag.
- [Maniadakis and Trahanias(2004)] Michail Maniadakis and Panos Trahanias. 2004. [Evolution tunes coevolution: Modelling robot cognition mechanisms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 640–641, Seattle, WA, USA. Springer-Verlag.
- [Mauri et al.(2004)Mauri, Mosca, and Pavesi] Giancarlo Mauri, Roberto Mosca, and Giulio Pavesi. 2004. [A ga approach to the definition of regulatory signals in genomic sequences](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 380–391, Seattle, WA, USA. Springer-Verlag.
- [Menon(2004)] Anil Menon. 2004. [Inequality’s arrow: The role of greed and order in genetic algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1352–1364, Seattle, WA, USA. Springer-Verlag.
- [Mezura-Montes and Coello(2004)] Efrén Mezura-Montes and Carlos A. Coello Coello. 2004. [An improved diversity mechanism for solving constrained optimization problems using a multimembered evolution strategy](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 700–712, Seattle, WA, USA. Springer-Verlag.
- [Miles et al.(2004)Miles, Louis, and Drewes] Chris Miles, Sushil J. Louis, and Rich Drewes. 2004. [Trap avoidance in strategic computer game playing with case injected genetic algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1365–1376, Seattle, WA, USA. Springer-Verlag.
- [Miller(2004)] Julian Francis Miller. 2004. [Evolving a self-repairing, self-regulating, french flag organism](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 129–139, Seattle, WA, USA. Springer-Verlag.
- [Monson and Seppi(2004)] Christopher K. Monson and Kevin D. Seppi. 2004. [The kalman swarm: A new approach to particle motion in swarm optimization](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 140–150, Seattle, WA, USA. Springer-Verlag.
- [Moore and Hahn(2004)] Jason H. Moore and Lance W. Hahn. 2004. [Systems biology modeling in human genetics using petri nets and grammatical evolution](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 392–401, Seattle, WA, USA. Springer-Verlag.
- [Moraglio and Poli(2004)] Alberto Moraglio and Riccardo Poli. 2004. [Topological interpretation of crossover](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1377–1388, Seattle, WA, USA. Springer-Verlag.
- [Mumford(2004)] Christine L. Mumford. 2004. [Simple population replacement strategies for a steady-state multi-objective evolutionary algorithm](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1389–1400, Seattle, WA, USA. Springer-Verlag.

- [Nadimi and Bhanu(2004)] Sohail Nadimi and Bir Bhanu. 2004. [Cooperative coevolution fusion for moving object detection](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 587–589, Seattle, WA, USA. Springer-Verlag.
- [Nakano and Suda(2004)] Tadashi Nakano and Tatsuya Suda. 2004. [Adaptive and evolvable network services](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 151–162, Seattle, WA, USA. Springer-Verlag.
- [Nasraoui et al.(2004)] Nasraoui, Rojas, and Cardona] Olfa Nasraoui, Carlos Rojas, and Cesar Cardona. 2004. [Dynamic and scalable evolutionary data mining: An approach based on a self-adaptive multiple expression mechanism](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1401–1413, Seattle, WA, USA. Springer-Verlag.
- [Neumann and Wegener(2004)] Frank Neumann and Ingo Wegener. 2004. [Randomized local search, evolutionary algorithms, and the minimum spanning tree problem](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 713–724, Seattle, WA, USA. Springer-Verlag.
- [Nicolau and Ryan(2004)] Miguel Nicolau and Conor Ryan. 2004. [Crossover, population dynamics, and convergence in the gauge system](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1414–1425, Seattle, WA, USA. Springer-Verlag.
- [Ohnishi et al.(2004)] Ohnishi, Sastry, Chen, and Goldberg] Kei Ohnishi, Kumara Sastry, Ying-Ping Chen, and David E. Goldberg. 2004. [Inducing sequentiality using grammatical genetic codes](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 1426–1437, Seattle, WA, USA. Springer-Verlag.
- [O’Neill and Brabazon(2004)] Michael O’Neill and Anthony Brabazon. 2004. [Grammatical swarm](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 163–174, Seattle, WA, USA. Springer-Verlag.
- [Paine and Tani(2004)] Rainer W. Paine and Jun Tani. 2004. [Evolved motor primitives and sequences in a hierarchical recurrent neural network](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 603–614, Seattle, WA, USA. Springer-Verlag.
- [Palacios-Durazo and Valenzuela-Rendón(2004)] Ramón Alfonso Palacios-Durazo and Manuel Valenzuela-Rendón. 2004. [Similarities between co-evolution and learning classifier systems and their applications](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 561–572, Seattle, WA, USA. Springer-Verlag.
- [Panait et al.(2004)] Panait, Wiegand, and Luke] Liviu Panait, R. Paul Wiegand, and Sean Luke. 2004. [A sensitivity analysis of a cooperative coevolutionary algorithm biased for optimization](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 573–584, Seattle, WA, USA. Springer-Verlag.
- [Parsopoulos et al.(2004)] Parsopoulos, Papageorgiou, Groumpos, and Vrahatis] K.E. Parsopoulos, E.I. Papageorgiou, P.P. Groumpos, and M.N. Vrahatis. 2004. [Evolutionary computation techniques for optimizing fuzzy cognitive maps in radiation therapy systems](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 402–413, Seattle, WA, USA. Springer-Verlag.
- [Paul and Iba(2004)] Topon Kumar Paul and Hitoshi Iba. 2004. [Identification of informative genes for molecular classification using probabilistic model building genetic algorithm](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 414–425, Seattle, WA, USA. Springer-Verlag.

- [Peterson et al.(2004)Peterson, Doom, and Raymer] Michael R. Peterson, Travis E. Doom, and Michael L. Raymer. 2004. [Ga-facilitated knowledge discovery and pattern recognition optimization applied to the biochemistry of protein solvation](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 426–437, Seattle, WA, USA. Springer-Verlag.
- [Pires et al.(2004)Pires, Machado, and de Moura Oliveira] E.J. Solteiro Pires, J.A. Tenreiro Machado, and P.B. de Moura Oliveira. 2004. [Robot trajectory planning using multi-objective genetic algorithm optimization](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 615–626, Seattle, WA, USA. Springer-Verlag.
- [Pulido and Coello(2004)] Gregorio Toscano Pulido and Carlos A. Coello Coello. 2004. [Using clustering techniques to improve the performance of a multi-objective particle swarm optimizer](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 225–237, Seattle, WA, USA. Springer-Verlag.
- [qiang Qi et al.(2004)qiang Qi, min Song, hua Yang, da Hu, and en Zhang] Zhen qiang Qi, Shen min Song, Zhao hua Yang, Guang da Hu, and Fu en Zhang. 2004. [A novel immune feedback control algorithm and its applications](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 318–320, Seattle, WA, USA. Springer-Verlag.
- [Rieffel and Pollack(2004)] John Rieffel and Jordan Pollack. 2004. [The emergence of ontogenic scaffolding in a stochastic development environment](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 804–815, Seattle, WA, USA. Springer-Verlag.
- [Ritchie et al.(2004)Ritchie, Coffey, and Moore] Marylyn D. Ritchie, Christopher S. Coffey, and Jason H. Moore. 2004. [Genetic programming neural networks as a bioinformatics tool for human genetics](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 438–448, Seattle, WA, USA. Springer-Verlag.
- [Rowe and zena Hidović(2004)] Jonathan E. Rowe and Džena Hidović. 2004. [An evolution strategy using a continuous version of the gray-code neighbourhood distribution](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 725–736, Seattle, WA, USA. Springer-Verlag.
- [Sapin et al.(2004)Sapin, Bailleux, Chabrier, and Collet] Emmanuel Sapin, Olivier Bailleux, Jean-Jacques Chabrier, and Pierre Collet. 2004. [A new universal cellular automaton discovered by evolutionary algorithms](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 175–187, Seattle, WA, USA. Springer-Verlag.
- [Semet et al.(2004)Semet, O’Reilly, and Durand] Yann Semet, Una-May O’Reilly, and Frédo Durand. 2004. [An interactive artificial ant approach to non-photorealistic rendering](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 188–200, Seattle, WA, USA. Springer-Verlag.
- [Sheneman and Foster(2004)] Luke Sheneman and James A. Foster. 2004. [Evolving better multiple sequence alignments](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 449–460, Seattle, WA, USA. Springer-Verlag.
- [Shu et al.(2004)Shu, Ho, Ho, Chen, and Hung] Li-Sun Shu, Shinn-Jang Ho, Shinn-Ying Ho, Jian-Hung Chen, and Ming-Hao Hung. 2004. [A novel multi-objective orthogonal simulated annealing algorithm for solving multi-objective optimization problems with a large number of parameters](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 737–747, Seattle, WA, USA. Springer-Verlag.

- [Spieth et al.(2004)Spieth, Streichert, Speer, and Zell] Christian Spieth, Felix Streichert, Nora Speer, and Andreas Zell. 2004. [Optimizing topology and parameters of gene regulatory network models from time-series experiments](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 461–470, Seattle, WA, USA. Springer-Verlag.
- [Stibor et al.(2004)Stibor, Bayarou, and Eckert] Thomas Stibor, Kpatscha M. Bayarou, and Claudia Eckert. 2004. [An investigation of r-chunk detector generation on higher alphabets](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 299–307, Seattle, WA, USA. Springer-Verlag.
- [Storch(2004)] Tobias Storch. 2004. [On the choice of the population size](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 748–760, Seattle, WA, USA. Springer-Verlag.
- [Streichert et al.(2004)Streichert, Planatscher, Spieth, Ulmer, and Zell] Felix Streichert, Hannes Planatscher, Christian Spieth, Holger Ulmer, and Andreas Zell. 2004. [Comparing genetic programming and evolution strategies on inferring gene regulatory networks](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 471–480, Seattle, WA, USA. Springer-Verlag.
- [Talbot(2004)] Walter A. Talbot. 2004. [Automatic creation of team-control plans using an assignment branch in genetic programming](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 201–212, Seattle, WA, USA. Springer-Verlag.
- [Tanev et al.(2004)Tanev, Ray, and Buller] Ivan Tanev, Thomas Ray, and Andrzej Buller. 2004. [Evolution, robustness, and adaptation of sidewinding locomotion of simulated snake-like robot](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 627–639, Seattle, WA, USA. Springer-Verlag.
- [Tanev and Yuta(2004)] Ivan Tanev and Kikuo Yuta. 2004. [Implications of epigenetic learning via modification of histones on performance of genetic programming](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 213–224, Seattle, WA, USA. Springer-Verlag.
- [Thoma and Sanchez(2004)] Yann Thoma and Eduardo Sanchez. 2004. [A reconfigurable chip for evolvable hardware](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 816–827, Seattle, WA, USA. Springer-Verlag.
- [Timmis and Edmonds(2004)] Jon Timmis and Camilla Edmonds. 2004. [A comment on opt-ainet: An immune network algorithm for optimisation](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 308–317, Seattle, WA, USA. Springer-Verlag.
- [Witt(2004)] Carsten Witt. 2004. [An analysis of the \(1+1\) ea on simple pseudo-boolean functions](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 761–773, Seattle, WA, USA. Springer-Verlag.
- [Xie and Zhang(2004a)] Xiao-Feng Xie and Wen-Jun Zhang. 2004a. [Solving engineering design problems by social cognitive optimization](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 261–262, Seattle, WA, USA. Springer-Verlag.
- [Xie and Zhang(2004b)] Xiao-Feng Xie and Wen-Jun Zhang. 2004b. [Swaf: Swarm algorithm framework for numerical optimization](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 238–250, Seattle, WA, USA. Springer-Verlag.
- [Yanai and Iba(2004)] Kohsuke Yanai and Hitoshi Iba. 2004. [Program evolution by integrating edp and gp](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 774–785, Seattle, WA, USA. Springer-Verlag.

[Yang et al.(2004)Yang, Shen, Chen, and Chiu] Jinn-Moon Yang, Tsai-Wei Shen, Yen-Fu Chen, and Yi-Yuan Chiu. 2004. [An evolutionary approach with pharmacophore-based scoring functions for virtual database screening](#). In *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pages 481–492, Seattle, WA, USA. Springer-Verlag.