

DAFTAR PUSTAKA

- Abdollahi, E., H. Wang, R. Lahdelma, 2016, An optimization method for multi-area combined heat and power production with power transmission network, *Applied Energy*, 168, 248–256, <http://doi.org/10.1016/j.apenergy.2016.01.067>.
- Abdolmohammadi, H., A. Kazemi, 2013, A Benders decomposition approach for a combined heat and power economic dispatch, *Energy Conversion and Management*, 71, 21–31, <http://doi.org/10.1016/j.enconman.2013.03.013>.
- Abido, M. A, 2003, Environmental / Economic Power Dispatch Using Multiobjective Evolutionary Algorithms, *Electr. Eng.* 18(4), 1529–1537.
- Ahmadi, A., H. Moghimi, A. Esmaeel, V.G. Agelidis, A.M. Sharaf, A. M, 2015, Multi-objective economic emission dispatch considering combined heat and power by normal boundary intersection method, *Electric Power Systems Research*, 129, 32–43, <http://doi.org/10.1016/j.epsr.2015.07.011>.
- Ahmadi, A., M. Reza, 2014, Comment on “ Multi-objective optimization for combined heat and power economic dispatch with power transmission loss and emission reduction ” Shi B , Yan LX , Wu W [*Energy* 2013 ; 56 : 226 e 34]”, *Energy*, 64, 1–2, <http://doi.org/10.1016/j.energy.2013.11.028>.
- An, S., T.W. Gedra, 2003, Natural Gas and Electricity Optimal Power Flow, *Proceedings of the 2003 IEEE PES Transmission & Distribution Conference and Exposition*, pages 138–143.
- Anosike, N.B., 2013, Techno-economic Evaluation of Flared Natural Gas Reduction and Energy Recovery Using Gas to Wire Scheme, *Ph.D. Dissertation*, Cranfield University, UK.
- Arutyunov, V. S., 2011, Utilization of associated petroleum gas via small-scale power generation, *Russian Journal of General Chemistry*, 81(12), 2557–2563, <http://doi.org/Doi 10.1134/S1070363211120243>.
- Attanasi, E., P. Freeman, P., 2013, United States Geological Survey Open-File Report 2013-1044: Role of stranded gas in increasing global gas supplies, <http://pubs.usgs.gov/of/2013/1044>.

- Auger, A., J. Bader, D. Brockhoff, E. Zitzler, 2012, Hypervolume-based multiobjective optimization: Theoretical foundations and practical implications, *Theoretical Computer Science*, 425, 75–103.
- Bakare, G. A., G. Krost, G.K. Venayagamoorthy, U. O. Aliyu, 2007, Differential Evolution Approach for Reactive Power Optimization of Nigerian Grid System, *Proceedings of 2007 IEEE Power Engineering Society General Meeting*, 1–6, <http://doi.org/10.1109/PES.2007.386015>.
- Bakirtzis, A. G., P. N. Biskas, C.E. Zoumas, V. Petridis, 2002, Optimal Power Flow by enhanced Genetic Algorithm, *IEEE Transactions on Power Systems*, 17(2), 229–236. <http://doi.org/10.1109/TPWRS.2002.1007886>
- Basu, M., 2015, Combined heat and power economic dispatch using opposition-based group search optimization, *International Journal of Electrical Power and Energy Systems*, 73, 819–829, <http://doi.org/10.1016/j.ijepes.2015.06.023>.
- Bechikh, S., A. Chaabani, & Said, L. Ben, 2014, An Efficient Chemical Reaction Optimization Algorithm for Multiobjective Optimization, *IEEE Transactions on Cybernetics*, 45(10), 1–14.
- Bhattacharjee, K., A. Bhattacharya, S. Halder, 2014, Oppositional Real Coded Chemical Reaction Optimization for different economic dispatch problems, *International Journal of Electrical Power and Energy Systems*, 55, 378–391, <http://doi.org/10.1016/j.ijepes.2013.09.033>.
- Bonami, P., L. T. Biegler, A. R. Conn, I. E. Grossmann, C. D. Laird, J. Lee, W. Andreas, 2008, An algorithmic framework for convex mixed integer nonlinear programs, *Discrete Optimization*, 5, pp. 186–204, <http://doi.org/10.1016/j.disopt.2006.10.011>.
- Cai, H. R., C. Y. Chung, K. P. Wong, 2008, Application of differential evolution algorithm for transient stability constrained optimal power flow, *IEEE Transactions on Power Systems*, 23(2), 719–728, <http://doi.org/10.1109/TPWRS.2008.919241>.
- Chaabani, A., S. Bechikh, L. B. Said, 2014, An Indicator-Based Chemical Reaction Optimization Algorithm for Multi-objective Search, *Proceedings of the 2014 Conference Companion on Genetic and Evolutionary Computation Companion (GECCO'2014)*, 85–86, <http://doi.org/10.1145/2598394.2598468>.

- Chaudry, M. N. Jenkins, G. Strbac, G., 2008, Multi-time period combined gas and electricity network optimization, *Electric Power Systems Research*, 78, 1265–1279.
- Coelho, L. D. S., V. C. Mariani, 2007, Improved differential evolution algorithms for handling economic dispatch optimization with generator constraints, *Energy Conversion and Management*, 48(5), 1631–1639, <http://doi.org/10.1016/j.enconman.2006.11.007>.
- Coello, C. , G. T. Pulido, M. S. Lechuga, 2004, Handling multiple objectives with particle swarm optimization, *IEEE Transactions on Evolutionary Computation*, 8(3), 256–279, <http://doi.org/10.1109/TEVC.2004.826067>.
- Corne, D., N. Jerram, J. D. Knowles, M. Oates, J. Martin, 2001, PESA-II: Region-based Selection in Evolutionary Multiobjective Optimization, *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO'2001)*, 283–290, <http://doi.org/citeulike-article-id:8133801>.
- Correa-Posada, C.M., P. Sanchez-Martin, 2014, Integrated Power and Natural Gas Model for Energy Adequacy in Short-Term Operation, *IEEE Transactions on Power Systems* 30(6), 3347–3355.
- Costa, D.C. L., M. V. A. Nunes, J. P. A. Vieira, U. H. Bezerra, 2016, Decision tree-based security dispatch application in integrated electric power and natural-gas networks, *Electric Power Systems Research* 141, 442–449.
- Currie, J., D.I. Wilson, 2012, OPTI: Lowering the Barrier Between Open Source Optimizers and the Industrial MATLAB User, *Foundations of Computer-Aided Process Operations*, Savannah, January 8 - 13, 2012.
- Da Silva, A.P.A., D.M. Falcao, 2008, Fundamentals of Genetic Algorithm, in K.Y. Lee and M.A. El-Sharkawi, editor, *Modern Heuristic Optimization Techniques : Theory and Application to Power Systems*, Chapter 2, pages 25 – 41, John Wiley & Sons, 2008.
- Das, I., J. Dennis, 1998, Normal-Boundary Intersection: An alternate method for generating pareto optimal points in multicriteria optimization problems, *Society for Industrial and Applied Mathematics Journal on Optimization*, 8, 631–657, <http://doi.org/http://dx.doi.org/10.1137/S1052623496307510>.

- Deb, K., A. Pratap, S. Agarwal, T. Meyarivan, 2002, A fast and elitist multiobjective genetic algorithm: NSGA-II, *IEEE Transactions on Evolutionary Computation*, 6(2), 182–197, <http://doi.org/10.1109/4235.996017>.
- Duan, H., L. Gan, 2015, Orthogonal Multi Objective Chemical Reaction Optimization Approach for the Brushless DC Motor Design, *IEEE Trans. On Magnetics*, 51(1), 1–7.
- Dutta, S., P. K. Roy, 2015, Optimal location of STATCOM using chemical reaction optimization for reactive power dispatch problem, *Ain Shams Engineering Journal*, <http://doi.org/10.1016/j.asej.2015.04.013>.
- Edgar, T.F., D.M. Himmelblau, 2001, *Optimization of Chemical Processes*, McGraw Hill, New York.
- Frank, S., I. Steponavice, S. Rebennack, 2012, Optimal power flow: A bibliographic survey I Formulations and deterministic methods, *Energy Systems*, 3(3), 221–258, <http://doi.org/10.1007/s12667-012-0056-y>.
- Frank, S., I. Steponavice, S. Rebennack, 2012, Optimal power flow: A bibliographic survey II Non-deterministic and hybrid methods, *Energy Systems*, 3(3), 259–289, <http://doi.org/10.1007/s12667-012-0057-x>.
- Fukuyama, Y., 2008, Fundamentals of Particle Swarm Optimization Techniques, in K.Y. Lee and M.A. El-Sharkawi, editor, *Modern Heuristic Optimization Techniques : Theory and Application to Power Systems*, Chapter 4, pages 71 – 83, John Wiley & Sons.
- Gembicky, F., Y. Haimes, 1975, Approach to Performance and Sensitivity Multiobjective Optimization, *IEEE Transactions on Automatic Control*, 769–771.
- General Electric, 2007, Specification for Fuel Gases for Combustion in Heavy-Duty Gas Turbines, <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.143.6392&rep=rep1&type=pdf>.
- Gorbachev, P. A., V. G. Mikhailutsa, 2011, Gas-turbine power stations on associated gas by Motor Sich OJSC, *Russian Journal of General Chemistry*, 81(12), 2564–2567, <http://doi.org/10.1134/S1070363211120255>.

- Guo, T., M. I. Henwood, M. van Ooijen, 1996, An algorithm for combined heat and power economic dispatch, *IEEE Transactions on Power Systems*, 11(4), 1778–1784, <http://doi.org/10.1109/59.544642>.
- Gur'yanov, A. I., O. A. Evdokimov, S. A. Piralishvili, S. V. Veretennikov, R. E. Kirichenko, D. G. Ievlev, 2015, Analysis of the gas turbine engine combustion chamber conversion to associated petroleum gas and oil, *Russian Aeronautics*, 58(2), 205–209, <http://doi.org/10.3103/S1068799815020117>.
- Hajian-Hoseinabadi, H., S. H. Hosseini, M. Hajian, 2008, Optimal power flow solution by a modified particle swarm optimization algorithm, *Proceedings of 2008 43rd International Universities Power Engineering Conference*, 1–3, <http://doi.org/10.1109/UPEC.2008.4651443>.
- Hosseini, S.S.S., A.H. Gandomi, 2009, Discussion on “Enhancement of combined heat and power economic dispatch using self adaptive real-coded genetic algorithm”, by P. Subbaraj et al., *Appl. Energy*, 86, 915–921
- Jena, C., M. Basu, C. J. Panigrahi, 2014, Differential evolution with Gaussian mutation for combined heat and power economic dispatch, *Soft Computing*, <http://doi.org/10.1007/s00500-014-1531-2>.
- Jones, R., J. Goldmeier, B. Monetti, 2011, GE Energy GER-4601: Addressing gas turbine fuel flexibility, http://site.ge-energy.com/prod_serv/products/tech_docs/en/downloads/GER4601.pdf
- Kim, J. S., T. F. Edgar, 2014, Optimal scheduling of combined heat and power plants using mixed-integer nonlinear programming, *Energy*, <http://doi.org/10.1016/j.energy.2014.09.062>.
- Kim, J.Y., H.M. Jeong, H. S. Lee, J. H. Park, 2007, PC Cluster based Parallel PSO Algorithm for Optimal Power Flow, *Proceedings of 2007 International Conference on Intelligent Systems Applications to Power Systems*, 1–6, <http://doi.org/10.1109/ISAP.2007.4441653>.
- Kumar, S., R. Naresh, 2009, Nonconvex economic load dispatch using an efficient real-coded genetic algorithm, *Applied Soft Computing*, 9(1), 321–329, <http://doi.org/10.1016/j.asoc.2008.04.009>.

- Lahdelma, R., H. Hakonen, 2003, An efficient linear programming algorithm for combined heat and power production, *European Journal of Operational Research*, 148(1), 141-151.
- Lam, A. Y. S., V. O. K. Li, J. J. Q. Yu, 2012, Real-Coded Chemical Reaction Optimization, *IEEE Transactions on Evolutionary Programming*, 16(3), 339-353.
- Lam, A. Y. S., V. O. K., Li, J. Xu, J. J. Q. Yu, 2012, Chemical Reaction Optimization for the optimal power flow problem, *Proceedings of 2012 IEEE Congress on Evolutionary Computation*, 1-8, <http://doi.org/10.1109/CEC.2012.6253003>.
- Li, H., L. Wang, X. Hei, 2015, Decomposition-based chemical reaction optimization (CRO) and an extended CRO algorithms for multiobjective optimization, *Journal of Computational Science*, <http://doi.org/10.1016/j.jocs.2015.09.003>.
- Li, J., Q. Pan, P. Duan, H. Sang, 2017, Solving Multi-Area Environmental / economic Dispatch By Pareto-Based Chemical-Reaction Optimization Algorithm, *IEEE Journal of Automatica Sinica*, 1-11, <http://doi.org/10.1109/JAS.2017.7510454.J>.
- Li, Z., T. Trong, S. Chen, T. Khac, 2015, A hybrid algorithm based on particle swarm and chemical reaction optimization for multi-object problems, *Applied Soft Computing Journal*, 35, 525-540, <http://doi.org/10.1016/j.asoc.2015.06.036>.
- Makkonen, S., 2006, Non-convex power plant modelling in energy optimisation. *European Journal of Operational Research* 171, 1113-1126, <http://doi.org/10.1016/j.ejor.2005.01.020>.
- Martinez-Mares, A., C. Fuerte-Esquivel, 2012, A Unified Gas and Power Flow Analysis in Natural Gas and Electricity Coupled Networks, *IEEE Transactions on Power System* 27(4), 2156-2166, <http://doi.org/10.1109/TPWRS.2012.2191984>.
- Miranda, V. , 2008, Fundamentals of Evolution Strategies and Evolutionary Programming, in K.Y. Lee and M.A. El-Sharkawi, editor, *Modern Heuristic Optimization Techniques : Theory and Application to Power Systems*, Chapter 2, pages 25 - 41, John Wiley & Sons, 2008.
- Mohammadi-Ivatloo, B., M. Moradi-Dalvand, A. Rabiee, 2013, Combined heat and power economic dispatch problem solution using particle swarm optimization with time varying acceleration coefficients, *Electr. Power Syst. Res.*, 95, 9-18.

- Momoh, J.A., 2001, *Electric Power System Application of Optimization*, Marcel Dekker Inc, Basel.
- Moran, M. J., H. N. Shapiro, B. R. Munson, D. P. DeWitt, 2003, *Introduction to Thermal Systems Engineering: Thermodynamics, Fluid Mechanics and Heat Transfer*, John Wiley & Sons, New York.
- Motevasel, M., T. Niknam, 2013, Multi-objective energy management of CHP (combined heat and power) based microgrid, *Energy*, 1-14, <http://doi.org/10.1016/j.energy.2012.11.035>.
- Nguyen, T.T., Z.Y. Li, S. Zhang, T.K. Truong., 2014, A Hybrid Algorithm based on Particle Swarm and Chemical Reaction Optimization, *Expert Systems with Application 41*, 2134 – 2143.
- Ongsakul, W., P. Jirapong, 2005, Optimal allocation of facts devices to enhance total transfer capability using evolutionary programming, *Proceedings IEEE International Symposium on Circuits and Systems*, 4175–4178. <http://doi.org/10.1109/ISCAS.2005.1465551>
- Peng, D. B. Robinson, 1976, A New Two-Constant Equation of State, *Indus. Eng. Chem. Fundam.* ,15 (1), 59–64.
- Phan, D. H., J. Suzuki, 2013, R2-IBEA: R2 indicator based evolutionary algorithm for multiobjective optimization, *Proceedings of 2013 IEEE Congress on Evolutionary Computation*, 1836–1845, <http://doi.org/10.1109/CEC.2013.6557783>.
- Pujihatma, P., S. P. Hadi, Sarjiya, T. A. Rohmat, 2017, Indicator Based Multi Objective Chemical Reaction Optimization for Combined Heat and Power Optimum Power Flow with Thermodynamic Model, *Proceedings of the 9th International Conference of Information Technology and Electrical Engineering ICITEE*
- Pujihatma, P., S. P. Hadi, Sarjiya, T. A. Rohmat, 2018, Combined heat and power – multi-objective optimization with an associated petroleum and wet gas utilization constraint, *Journal of Natural Gas Science and Engineering*, 54, 25 – 46, 2018
- Railroad Commission of Texas, 1990, Texas Administrative Code : Title 16 Part1 Chapter 3 Rule 3.36, Austin, TX.

- Rajović, V., F. Kiss, F., N. Maravić, O. Bera, 2016, Environmental flows and life cycle assessment of associated petroleum gas utilization via combined heat and power plants and heat boilers at oil fields. *Energy Conversion and Management*, 118, 96–104, <http://doi.org/10.1016/j.enconman.2016.03.084>.
- Rong, A., J. Rui, R. Lahdelma, 2014, An efficient algorithm for bi-objective combined heat and power production planning under the emission trading scheme. *Energy Conversion and Management*, 88, 525–534, <http://doi.org/10.1016/j.enconman.2014.08.049>.
- Rooijers, F. J., R. a. M. van Amerongen, 1994, Static economic dispatch for co-generation systems, *IEEE Transactions on Power Systems*, 9(3), 1392–1398, <http://doi.org/10.1109/59.336125>.
- Roy, P. K., S. Bhui, C. Paul, 2014, Solution of economic load dispatch using hybrid chemical reaction optimization approach, *Applied Soft Computing Journal*, 24, 109–125, <http://doi.org/10.1016/j.asoc.2014.07.013>.
- Sadeghian, H. R., M. M. Ardehali, 2016, A novel approach for optimal economic dispatch scheduling of integrated combined heat and power systems for maximum economic profit and minimum environmental emissions based on Benders decomposition, *Energy*, 102, 10–23, <http://doi.org/10.1016/j.energy.2016.02.044>.
- Sashirekha, A., J. Pasupuleti, N. H. Moin, C. S. Tan, 2013, Combined heat and power (CHP) economic dispatch solved using Lagrangian relaxation with surrogate subgradient multiplier updates, *International Journal of Electrical Power and Energy Systems*, 44(1), 421–430, <http://doi.org/10.1016/j.ijepes.2012.07.038>.
- Segers, M., P. Cannon, B. Binkowski, R. Sanchez, C. Guiterrez, D. Hailey, 2011, Blending Fuel Gas to Optimize use of Off-Spec Natural Gas, *ISA Power Industry Division 54th Annual I&C Symposium*, North Carolina, June 5 – 10, 2011.
- Shao, C., M. Shahidehpour, X. Wang, B. Wang, 2017, An MILP-based Optimal Power Flow in Multi-Carrier Energy Systems, *IEEE Transactions on Sustainable Energy* 8 (1), 239–248.
- Shi, B., L. Yan, W. Wu, 2013, Multi-objective optimization for combined heat and power economic dispatch with power transmission loss and emission reduction, *Energy*, 56, 135–143, <http://doi.org/10.1016/j.energy.2013.04.066>.

- Somasundaram, P., K. Kuppusamy, 2005, Application of evolutionary programming to security constrained economic dispatch. *International Journal of Electrical Power and Energy Systems*, 27(5–6), 343–351, <http://doi.org/10.1016/j.ijepes.2004.12.006>.
- Song, Y.C.S., C. S. Chou, T. J. Stonham, 1999, Combined heat and power economic dispatch by improved ant colony search algorithm, *Electr. Power Syst. Research*, 52, pp 115–121.
- Song, Y. H., G. S. Wang, A. T. Johns, , 1997, Environmental/economic dispatch using fuzzy logic controlled genetic algorithms, *Generation, Transmission and Distribution, IEE Proceedings-*, 144(4), 377–382, <http://doi.org/10.1049/ip-gtd:19971100>.
- Subbaraj, P., R. Rengaraj, S. Salivahanan, 2009, Enhancement of combined heat and power economic dispatch using self adaptive real-coded genetic algorithm, *Appl. Energy*, 86, 915–921.
- Sun, Y., A. Y. S. Lam, V. O. K. Li, 2014, A heuristic to generate initial feasible solutions for the Unit Commitment problem, *Proceedings of the International Joint Conference on Neural Networks*, 913–920, <http://doi.org/10.1109/IJCNN.2014.6889548>.
- Sayah, S., K. Zehar, 2008, Modified differential evolution algorithm for optimal power flow with non-smooth cost functions, *Energy Conversion and Management*, 49(11), 3036–3042, <http://doi.org/10.1016/j.enconman.2008.06.014>.
- Swarup, K.S., 2006, Swarm intelligence approach to the solution of optimal power flow, *Journal Indian Institute of Science*, pp 439–455.
- Tangpatiphan, K., A. Yokoyama, 2009, Optimal power flow with steady-state voltage stability consideration using improved evolutionary programming, *Proceedings of 2009 IEEE Bucharest PowerTech: Innovative Ideas Toward the Electrical Grid of the Future*, 1–7, <http://doi.org/10.1109/PTC.2009.5282214>.
- Vanadzina, E., O. Gore, S. Viljainen, V. P. Tynkkynen, 2015, Electricity production as an effective solution for associated petroleum gas utilization in the reformed Russian electricity market, *Proceedings of the International Conference on the European Energy Market*, <http://doi.org/10.1109/EEM.2015.7216626>.
- Varadarajan, M., K. Swarup, 2008, Solving multi-objective optimal power flow using differential evolution, *IET Gener. Transm. Distrib.* 2(5), 720–730,

- Vats., P., A. Vatsh., S. Kumar, B. Kumar, P. K. Roy, 2014, Hybrid Chemical Reaction based Optimization to Solve Combined Heat and Power Economic Dispatch Problem, *Proceedings of the 2014 International Conference on Circuit, Power & Computing Technologies*, 769–774.
- Verlaan, C., G. Van der Zwet, 2012, Challenges and Opportunities in Sour Gas Developments, *Proceedings of the Abu Dhabi International Petroleum Conference and Exhibition*, 5, 3171–3181, <http://doi.org/10.2118/162167-MS>.
- Wächter, A., L. T. Biegler, 2006, On the Implementation of an Interior Point Filter Line-Search Algorithm for Large-Scale Nonlinear Programming, *Mathematical Programming*, 106.
- Wang, L., C. Singh, 2008, Stochastic combined heat and power dispatch based on multi-objective particle swarm optimization, *Electrical Power & Energy Systems*, 30, 226–234, <http://doi.org/10.1016/j.ijepes.2007.08.002>.
- Watanabe, T., H. Inoue, M. Horitsugi, S. Oya, 2006, Gas to Wire (GTW) system for developing “small gas field” and exploiting “associated gas.”, *Proceedings of International Oil and Gas Conference and Exhibition in China 2006 - Sustainable Growth for Oil and Gas*, 1(2), 310–315.
- Won, J.R., Y. M. Park, 2003, Economic dispatch solutions with piecewise quadratic cost functions using improved genetic algorithm, *International Journal of Electrical Power & Energy Systems*, 25(5), 355–361, [http://doi.org/10.1016/S0142-0615\(02\)00098-4](http://doi.org/10.1016/S0142-0615(02)00098-4).
- Wong, K., C. Algie, 2002, Evolutionary programming approach for combined heat and power dispatch., *Electrical Power System Research*, 61, 227–232.
- Wong, K. P., J. Yuryevich, , 1999, Optimal Power Flow Method Using Evolutionary Programming, in B. McKa, X. Yao, C. S. Newton, J. H. Kim, T. Furuhashi, editor, *Simulated Evolution and Learning SEAL 1998: Lecture Notes in Computer Science*, vol 1585, pages 405–412, Springer, Berlin, Heidelberg, 1999.
- Wong K.P., Z.Y. Dong, 2008, Differential Evolution, an Alternative Approach to Evolutionary Algorithm, in K.Y. Lee and M.A. El-Sharkawi, editor, *Modern Heuristic Optimization Techniques : Theory and Application to Power Systems*, Chapter 9, pages 171 – 186, John Wiley & Sons, New York, 2008.

- Wood, A.J., B.F. Wollenberg, 1996, *Power Generation Operation & Control*, John Wiley & Sons, New York.
- Wu, L. H., Y. N. Wang, X. F. Yuan, S. W. Zhou, 2010, Environmental / economic power dispatch problem using multi-objective differential evolution algorithm, *Electric Power Systems Research*, 80(9), 1171–1181, <http://doi.org/10.1016/j.epr.2010.03.010>.
- Youssef, H. K., K. M. El-Naggar, 2000, Genetic based algorithm for security constrained power system economic dispatch, *Electric Power Systems Research*, 53(1), 47–51, [http://doi.org/10.1016/S0378-7796\(99\)00039-5](http://doi.org/10.1016/S0378-7796(99)00039-5).
- Zhang, H., 1998, Reactive Power Optimization Based on Genetic Algorithm, *Proceedings of 1998 International Conference on Power System Technology*, 1448–1453, <http://doi.org/10.1109/ICPST.1998.729327>
- Zhang, Y., D.W. Gong, Z. Ding, 2012, A bare-bones multi-objective particle swarm optimization algorithm for environmental/economic dispatch, *Information Sciences*, 192, 213–227, <http://doi.org/10.1016/j.ins.2011.06.004>.
- Zhao, B., C. X. Guo, Y. J. Cao, 2005, An improved particle swarm optimization algorithm for optimal reactive power dispatch, *IEEE Transactions on Power Systems*, 20(2), 272–279, <http://doi.org/10.1109/TPWRS.2005.846064>.
- Zitzler, E., S. Künzli, 2004, Indicator-Based Selection in Multiobjective Search, In: Yao X. et al., editor, *Parallel Problem Solving from Nature - PPSN VIII. PPSN 2004. Lecture Notes in Computer Science*, vol 3242., pp. 832–842 Springer, Berlin, Heidelberg, 2004, https://doi.org/10.1007/978-3-540-30217-9_84.
- Zitzler, E., D. Brockhoff, L. Thiele, 2007, The Hypervolume Indicator Revisited: On the Design of Pareto-compliant Indicators Via Weighted Integration, *Evolutionary Multi-Criterion Optimization*, 4403, pp. 862-876.
- Zlotnik, A., L. Roald, S. Backhaus, M. Chertkov, G. Andersson, 2017, Coordinated Scheduling for Interdependent Electric Power and Natural Gas Infrastructures, *IEEE Transactions on Power Systems*, 32 (1), 600 – 610.
- Zyryanova, M., P. V. Snytnikov, Y. I. Amosov, V. D. Belyaev, V. V. Kireenkov, N. A. Kuzin, V. A. Sobyenin, , 2013, Upgrading of associated petroleum gas into methane-rich gas for power plant feeding applications : Technological and

economic benefits, *Fuel*, 108, 282–291,
<http://doi.org/10.1016/j.fuel.2013.02.047>.