

## DAFTAR PUSTAKA

- Aalimahmoody, N., Bedon, C., Hasanzadeh-Inanlou, N., Hasanzade-Inallu, A. and Nikoo, M., 2021. Bat algorithm-based ann to predict the compressive strength of concrete—a comparative study. *Infrastructures*, 6(6), pp.1–17.
- Agustina, K.K., 2017. *Desiminasi Hasil Kajian IPTEK Ternak Babi*, Denpasar.
- Alifuddin, M., Eden, B., Asrul, W. and H, E.M., 2013. Cow Disease Diagnosis Using Backpropagation Neural Networks. *2013 Information Processing Society of Japan ©2013 Information Processing Society of Japan*.
- Alweshah, M., Qadoura, M.A., Hammouri, A.I., Azmi, M.S. and AlKhalailah, S., 2020. Flower Pollination Algorithm for Solving Classification Problems. *International Journal of Advances in Soft Computing and its Applications*, 12(1), pp.15–34.
- Anantwar, S.G. and Shelke, R.R., 2012. Simplified Approach of ANN : Strengths and Weakness. *International Journal of Engineering and Innovative Technology (IJEIT)*, 1(4), pp.73–77.
- Anderson, J., 2011. *An introduction to neural networks*, New Delhi, India: Prentice Hall.
- Apichottanakul, A., Pathumnakul, S. and Piewthongngam, K., 2012. The role of pig size prediction in supply chain planning. *Biosystems Engineering*, 113(3), pp.298–307. Available at: <http://dx.doi.org/10.1016/j.biosystemseng.2012.07.008>.
- Bahmani, M., Nejati, M., Ghaseminejad, A., Nazari Robati, F., Lashkary, M. and Amani Zarin, N., 2021. A Novel Hybrid Approach Based on BAT Algorithm with Artificial Neural Network to Forecast Iran's Oil Consumption. *Mathematical Problems in Engineering*, 2021.
- BAŞTEMUR KAYA, C. and KAYA, E., 2021. A Novel Approach Based to Neural Network and Flower Pollination Algorithm to Predict Number of COVID-19 Cases. *Balkan Journal of Electrical and Computer Engineering*, 9(4), pp.327–336.
- Benardos, P.G. and Vosniakos, G.-C., 2007. Optimizing feedforward artificial neural network architecture. *Engineering Applications of Artificial Intelligence*, 20(3), pp.365–382. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0952197606001072>.
- Benson, R.C. and Pernoll, M. 1., 2008. *Buku saku Obstetri dan ginekologi* 9th ed., Jakarta: EGC.
- Bishop, C., 2006. *Pattern Recognition and Machine Learning* 1st ed., New York: Springer-Verlag. Available at: <papers://7a3983cb-07ee-455d-beaa-365bbcdf065f/Paper/p680>.
- Borra, S.R., Reddy, G.J. and Reddy, E.S., 2018. An efficient fingerprint

- identification using neural network and BAT algorithm. *International Journal of Electrical and Computer Engineering*, 8(2), pp.1194–1213.
- BPS NTT, 2020. *Profil Sektor Pertanian Provinsi Nusa Tenggara Timur 2019*, Kupang: © Badan Pusat Statistik Provinsi Nusa Tenggara Timur. Available at: <https://ntt.bps.go.id/publication.html>.
- Chakraborty, D., Saha, S. and Maity, S., 2015. Training feedforward neural networks using hybrid flower pollination-gravitational search algorithm. *Futuristic Trends on Computational Analysis and Knowledge Management (ABLAZE), 2015 International Conference on*, pp.261–266.
- Chen, G. and Yu, J., 2005. Particle Swarm Optimization Neural Network and Its Application in Soft-Sensing Modeling. In *Wang L., Chen K., Ong Y.S. (eds) Advances in Natural Computation. ICNC 2005. Lecture Notes in Computer Science, vol 3611*. Springer-Verlag Berlin Heidelberg, pp. 610–617. Available at: [https://doi.org/10.1007/11539117\\_86](https://doi.org/10.1007/11539117_86).
- Chen, L.F., Liao, H.Y.M., Ko, M.T., Lin, J.C. and Yu, G.J., 2000. A New LDA-based Face Recognition System Which Can Solve the Small Sample Size Problem. *Pattern Recognition*, 33, pp.1713–1726.
- Chen, X., Mei, C., Xu, B., Yu, K. and Huang, X., 2018. Quadratic interpolation based teaching-learning-based optimization for chemical dynamic system optimization. *Knowledge-Based Systems*, 145, pp.250–263. Available at: <https://doi.org/10.1016/j.knosys.2018.01.021>.
- Chiroma, H., Khan, A., Abubakar, A.I., Saadi, Y., Hamza, M.F., Shuib, L., Gital, A.Y. and Herawan, T., 2016. A new approach for forecasting OPEC petroleum consumption based on neural network train by using flower pollination algorithm. *Applied Soft Computing Journal*, 48, pp.50–58. Available at: <http://dx.doi.org/10.1016/j.asoc.2016.06.038>.
- Chittka, L., Thomson, J.D. and Waser, N.M., 1999. Flower Constancy, Insect Psychology, and Plant Evolution. *Naturwissenschaften*, 86(8), pp.361–377. Available at: <http://link.springer.com/10.1007/s001140050636>.
- Chung, Y., Oh, S., Lee, J., Park, D., Chang, H.-H. and Kim, S., 2013. Automatic Detection and Recognition of Pig Wasting Diseases Using Sound Data in Audio Surveillance Systems. *Sensors*, 13(10), pp.12929–12942. Available at: <http://www.mdpi.com/1424-8220/13/10/12929>.
- Costa, A., Ismayilova, G., Borgonovo, F., Leroy, T., Berckmans, D. and Guarino, M., 2013. The use of image analysis as a new approach to assess behaviour classification in a pig barn. *Acta Veterinaria Brno*, 82(1), pp.25–30. Available at: <https://actavet.vfu.cz/82/1/0025/>.
- Deep, K. and Bansal, J.C., 2009. Hybridization of particle swarm optimization with quadratic approximation. *OPSEARCH*, 46(1), pp.3–24. Available at: <http://link.springer.com/10.1007/s12597-009-0002-5>.
- Dewi, G.A.M.K., 2017. *Materi Ilmu Ternak Babi*, Denpasar: Fakultas Peternakan

Universitas Udayana.

- Ding, S., Su, C. and Yu, J., 2011. An optimizing BP neural network algorithm based on genetic algorithm. *Artificial Intelligence Review*, 36(2), pp.153–162. Available at: <http://link.springer.com/10.1007/s10462-011-9208-z>.
- Dua, D. and Graff, C., 2019. UCI Machine Learning Repository. *Irvine, CA: University of California, School of Information and Computer Science*. Available at: <http://archive.ics.uci.edu/ml>.
- Dubey, H.M., Pandit, M. and Panigrahi, B.K., 2015. Hybrid flower pollination algorithm with time-varying fuzzy selection mechanism for wind integrated multi-objective dynamic economic dispatch. *Renewable Energy*, 83, pp.188–202. Available at: <http://dx.doi.org/10.1016/j.renene.2015.04.034>.
- Emary, E., Zawbaa, H.M., Hassanien, A.E., Tolba, M.F. and Snasel, V., 2014. Retinal vessel segmentation based on flower pollination search algorithm. In *Proceedings of the Fifth International Conference on Innovations in Bio-Inspired Computing and Applications IBICA 2014*. Switzerland: Springer Internasional, pp. 93–100.
- Enting, J., Huirne, R.B.M. and Dijkhuizen, A.A., 2000. Zovex , a knowledge-integrated computer system to support health management on pig farms. *Computers and Electronics in Agriculture*, 26(1), pp.13–35. Available at: <http://www.sciencedirect.com/science/article/pii/S0168169999000678>.
- Fan, Q., Yan, X., Zhang, Y. and Zhu, C., 2019. A Variable Search Space Strategy Based on Sequential Trust Region Determination Technique. *IEEE Transactions on Cybernetics*, pp.1–13. Available at: <https://ieeexplore.ieee.org/document/8716689/>.
- Fausett, L. V., 1994. *Fundamentals of Neural Networks: Architectures, Algorithms And Applications* 1st ed., Pearson.
- Feng, Z., Zhang, X. and Yang, H., 2013. Research of Pneumatic Actuator Fault Diagnosis Method Based on GA Optimized BP Neural Network and Fuzzy Logic. In C. Guo, Z. . Hou, & Z. Zeng, eds. *Advances in Neural Networks – ISNN 2013*. Springer, Berlin, Heidelberg, pp. 578–585. Available at: [http://link.springer.com/10.1007/978-3-642-39068-5\\_69](http://link.springer.com/10.1007/978-3-642-39068-5_69).
- Gautam, U., Malmathanraj, R. and Srivastav, C., 2015. Simulation for Path Planning of Autonomous Underwater Vehicle Using Flower Pollination Algorithm, Genetic Algorithm and Q-Learning. In *2015 International Conference on Cognitive Computing and Information Processing (CCIP)*, pp.1–5. Available at: <http://ieeexplore.ieee.org/document/7100710/>.
- Gupta, A. and Shreevastava, M., 2011. Medical Diagnosis using Back propagation Algorithm. *International Journal of Emerging Technology and Advanced Engineering (IJETA)*, 1(1), pp.55–58.
- Gupta, K.D., Dwivedi, R. and Sharma, D.K., 2021. Prediction of Covid-19 trends in Europe using generalized regression neural network optimized by flower

- pollination algorithm. *Journal of Interdisciplinary Mathematics*, 24(1), pp.33–51. Available at: <https://www.tandfonline.com/doi/full/10.1080/09720502.2020.1833447>.
- Haykin, 1999. *Neural Networks: A Comprehensive Foundation* 2nd ed., New Jersey: Prentice Hall.
- iSIKHNAS, 2019. Informasi Penyakit pada Babi dari iSIKHNAS. Available at: <https://www.isikhnas.com/>.
- Ke, L., Wenyan, G., Xiaoliu, S. and Zhongfu, T., 2012. Research on the Forecast Model of Electricity Power Industry Loan Based on GA-BP Neural Network. *Energy Procedia*, 14, pp.1918–1924. Available at: <http://dx.doi.org/10.1016/j.egypro.2011.12.1188>.
- Kemenhumham, 2014. *Undang-Undang Republik Indonesia Nomor 41 Tahun 2014 Tentang Perubahan Atas Undang-Undang Nomor 18 Tahun 2009 Tentang Peternakan dan Kesehatan Hewan*,
- Kementan, 2014. *Manual Penyakit Hewan Mamalia*, DIRJEN Peternakan dan Kesehatan Hewan, KEMANTAN RI. Available at: [http://wiki.isikhnas.com/images/b/b9/Manual\\_Penyakit\\_Hewan\\_Mamalia.pdf](http://wiki.isikhnas.com/images/b/b9/Manual_Penyakit_Hewan_Mamalia.pdf). Diunduh pada 1 Maret 2018.
- Kostka, P., Tkacz, E.J. and Malota, Z., 2000. An application of wavelet neural networks (WNN) for heart valve prostheses characteristic. In *Proceedings of the 22nd Annual International Conference of the IEEE*. Chicago, IL, USA: IEEE, pp. 2463–2465. Available at: <http://ieeexplore.ieee.org/document/901298/>.
- Lenin, K. and Reddy, B.R., 2014. Flower Pollination Algorithm for Solving Optimal Reactive Power Dispatch Problem. *International Journal of Recent Research in Interdisciplinary Sciences (IJRRIS)*, 1(2), pp.7-16. ISSN 2350-1049.
- Liang, S., He, P., Dong, Z., Qiu, H. and Zhu, S., 2012. The Design and Realization of the Angular Acceleration Detecting Channel for Auto-transmission Based on the Labview and Newton Interpolation Method. In *2012 International Conference on Industrial Control and Electronics Engineering*. IEEE, pp. 281–284. Available at: <http://ieeexplore.ieee.org/document/6322370/>.
- Liang, X., Liang, W. and Xiong, J., 2020. Intelligent diagnosis of natural gas pipeline defects using improved flower pollination algorithm and artificial neural network. *Journal of Cleaner Production*, 264, p.121655. Available at: <https://doi.org/10.1016/j.jclepro.2020.121655>.
- Lin, H., Chen, Z., Wu, L., Lin, P. and Cheng, S., 2015. On-line Monitoring and Fault Diagnosis of PV Array Based on BP Neural Network Optimized by Genetic Algorithm. In B. A & Z. X, eds. *Multi-disciplinary Trends in Artificial Intelligence*. Switzerland: Springer, Cham, pp. 102–112. Available at: [http://link.springer.com/10.1007/978-3-319-26181-2\\_10](http://link.springer.com/10.1007/978-3-319-26181-2_10).

- Liu, T., Fan, Q., Kang, Q. and Niu, L., 2020. Extreme learning machine based on firefly adaptive flower pollination algorithm optimization. *Processes*, 8(12), pp.1–16.
- Liu, Y., Chen, L., Chen, L., Xin, H. and Gan, D., 2012. A Newton quadratic interpolation based control strategy for photovoltaic system. In *International Conference on Sustainable Power Generation and Supply (SUPERGEN 2012)*. Institution of Engineering and Technology, pp. 62–62. Available at: <http://digital-library.theiet.org/content/conferences/10.1049/cp.2012.1781>.
- LOPES J., GONÇALVES A., CARVALHO J. and FUJIMOTO, R., 2011. Diagnosis of Fish Diseases Using Artificial Neural Networks. *International Journal of Computer Science Issues*, 8(6), pp.68–74.
- Lukasik, S. and Kowalski, P.A., 2015. Study of flower pollination algorithm for continuous optimization. *Advances in Intelligent Systems and Computing*, 322, pp.451–459.
- Ma, C., Zhao, L., Mei, X., Shi, H. and Yang, J., 2017. Thermal error compensation of high-speed spindle system based on a modified BP neural network. *International Journal of Advanced Manufacturing Technology*, 89(9–12), pp.3071–3085. Available at: <http://dx.doi.org/10.1007/s00170-016-9254-4>.
- Matthews, S.G., Miller, A.L., Clapp, J., Plötz, T. and Kyriazakis, I., 2016. Early detection of health and welfare compromises through automated detection of behavioural changes in pigs. *The Veterinary Journal*, 217, pp.43–51. Available at: <http://dx.doi.org/10.1016/j.tvjl.2016.09.005>.
- Nabil, E., 2016. A Modified Flower Pollination Algorithm for Global Optimization. *Expert Systems with Applications*, 57, pp.192–203. Available at: <http://dx.doi.org/10.1016/j.eswa.2016.03.047>.
- Nalaratih, N., Damayanti, A. and Winarko, E., 2021. Hybrid neural network extreme learning machine and flower pollination algorithm to predict fire extensions on kalimantan island. *AIP Conference Proceedings*, 2329(February).
- Nocedal, J. and Wright, S., 2006. *Numerical Optimization*, New York: Springer-Verlag.
- Nusai, C., Cheechang, S., Chaiphech, S. and Thanimkan, G., 2015. Swine-Vet : a Web-based Expert System of Swine Disease Diagnosis. *Procedia - Procedia Computer Science*, 63(Ict), pp.366–375. Available at: <http://dx.doi.org/10.1016/j.procs.2015.08.355>.
- Ochoa, A., González, S., Margain, L., Padilla, T., Castillo, O. and Melín, P., 2014. Implementing flower multi-objective algorithm for selection of university academic credits. *2014 6th World Congress on Nature and Biologically Inspired Computing, NaBIC 2014*, pp.7–11.
- Pambudy, M.M.M., Hadi, S.P. and Ali, H.R., 2014. Flower pollination algorithm



for optimal control in multi-machine system with GUPFC. *Proceedings - 2014 6th International Conference on Information Technology and Electrical Engineering: Leveraging Research and Technology Through University-Industry Collaboration, ICITEE 2014*, pp.1–6.

Pavlyukevich, I., 2007. Lévy flights, non-local search and simulated annealing. *Journal of Computational Physics*, 226(2), pp.1830–1844. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S002199910700263X>.

Platt, G.M., 2014a. Application of the flower pollination algorithm in nonlinear algebraic systems with multiple solutions. *Engineering Optimization*, pp.117–121.

Platt, G.M., 2014b. Computational Experiments with Flower Pollination Algorithm in the Calculation of Double Retrograde Dew Points. *International Review of Chemical Engineering (IRECHE)*, 6(2), pp.95–99. Available at: <http://www.praiseworthyprize.org/jsm/index.php?journal=ireche&page=article&op=view&path%5B%5D=14771>.

Prathiba, R., Balasingh Moses, M. and Sakthivel, S., 2014. Flower pollination algorithm applied for different economic load dispatch problems. *International Journal of Engineering and Technology (IJET)*, 6(2), pp.1009–1016.

Rajora, M., Zou, P., Yang, Y.G., Fan, Z.W., Chen, H.Y., Wu, W.C., Li, B. and Liang, S.Y., 2016. A split-optimization approach for obtaining multiple solutions in single-objective process parameter optimization. *SpringerPlus*, 5(1), p.1424. Available at: <http://springerplus.springeropen.com/articles/10.1186/s40064-016-3092-6>.

Raschka, S., 2018. Model Evaluation, Model Selection, and Algorithm Selection in Machine Learning. *arXiv*. Available at: <http://arxiv.org/abs/1811.12808>.

Ren, Y., Li, H. and Lin, H.-C., 2019. Optimization of Feedforward Neural Networks Using an Improved Flower Pollination Algorithm for Short-Term Wind Speed Prediction. *Energies*, 12(21), p.4126. Available at: <https://www.mdpi.com/1996-1073/12/21/4126>.

van Rijsbergen, C.J., 1979. *Information Retrieval* 2nd ed., Butterworth-Heinemann.

Russell, S.J. and Norvig, P., 1995. *Artificial Intelligence. A Modern Approach*, New Jersey: Prentice Hall.

Sakib, N., 2014. A Comparative Study of Flower Pollination Algorithm and Bat Algorithm on Continuous Optimization Problems. *International Journal of Applied Information Systems IJAIS*, 7(9), pp.13–19. Available at: <papers3://publication/uuid/C81C6D79-24EF-4FB5-BAFB-C56233F263C4>.

Salgotra, R. and Singh, U., 2017. Application of mutation operators to flower pollination algorithm. *Expert Systems with Applications*, 79, pp.112–129.

Available at: <http://dx.doi.org/10.1016/j.eswa.2017.02.035>.

Shambour, M.K.Y., Abusnaina, A.A. and Alsalibi, A.I., 2019. Modified Global Flower Pollination Algorithm and its Application for Optimization Problems. *Interdisciplinary Sciences: Computational Life Sciences*, 11(3), pp.496–507. Available at: <http://link.springer.com/10.1007/s12539-018-0295-2>.

Shao, J., 1997. *Classification of swine thermal comfort behavior by image processing and neural network*. Paper 12033(Iowa State University). Available at: <http://lib.dr.iastate.edu/cgi/viewcontent.cgi?article=13032&context=rtd> [diunduh tanggal 6 Desember 2016].

Sharawi, M., Emary, E., Saroit, I.A. and El-mahdy, H., 2014. Flower Pollination Optimization Algorithm for Wireless Sensor Network Lifetime Global Optimization. *International Journal of Soft Computing and Engineering*, 4(3), pp.54–59.

Shi, C., Teng, G. and Li, Z., 2016. An approach of pig weight estimation using binocular stereo system based on LabVIEW. *Computers and Electronics in Agriculture*, 129, pp.37–43. Available at: <http://dx.doi.org/10.1016/j.compag.2016.08.012>.

Singh, D. and Agrawal, S., 2016. Self organizing migrating algorithm with quadratic interpolation for solving large scale global optimization problems. *Applied Soft Computing*, 38, pp.1040–1048. Available at: <http://dx.doi.org/10.1016/j.asoc.2015.09.033>.

Slama, S., Errachdi, A. and Benrejeb, M., 2021. Tuning Artificial Neural Network Controller Using Particle Swarm Optimization Technique for Nonlinear System. In *Deep Learning Applications*. IntechOpen, p. 13. Available at: <https://www.intechopen.com/books/deep-learning-applications/tuning-artificial-neural-network-controller-using-particle-swarm-optimization-technique-for-nonlinear>.

Subronto, 2003. *Ilmu Penyakit Ternak (Mamalia) I* 2nd ed., Yogyakarta: Gadjah Mada University Press.

Subronto and Tjahajati, I., 2001. *Ilmu Penyakit Ternak II*, Yogyakarta: Gadjah Mada University Press.

Sumiarto, B. and Budiharta, S., 2021. *Epidemiologi Veteriner Analitik*, Yogyakarta: Gadjah Mada University Press.

Tao, J., Wenhui, L., Shouyin, D. and Mingqin, H., 2010. Study of image magnification based on Newton interpolation. In *2010 3rd International Congress on Image and Signal Processing*. IEEE, pp. 1248–1252. Available at: <http://ieeexplore.ieee.org/document/5647272/>.

Venkatesan, D., Kannan, K. and Saravanan, R., 2009. A genetic algorithm-based artificial neural network model for the optimization of machining processes. *Neural Computing and Applications*, 18(2), pp.135–140. Available at:

<http://link.springer.com/10.1007/s00521-007-0166-y>.

Walker, M., 2009. How flowers conquered the world. *BBC Earth News*. Available at: [http://news.bbc.co.uk/earth/hi/earth\\_news/newsid\\_8143000/8143095.stm](http://news.bbc.co.uk/earth/hi/earth_news/newsid_8143000/8143095.stm).

Wang, R. and Zhou, Y., 2014. Flower Pollination Algorithm with Dimension by Dimension Improvement. *Mathematical Problems in Engineering*, 2014(Article ID 481791), p.9 pages. Available at: <http://dx.doi.org/10.1155/2014/481791>.

Wang, X., 2013. Electric Power Client Credit Assessment Based on GA Optimized BP Neural Network. In Y. Yang & M. Ma, eds. *Proceedings of the 2nd International Conference on Green Communications and Networks 2012 (GCN 2012): Volume 3*. Springer-Verlag Berlin Heidelberg, pp. 85–91. Available at: [http://link.springer.com/10.1007/978-3-642-35470-0\\_11](http://link.springer.com/10.1007/978-3-642-35470-0_11).

Wang, Y., Yang, W., Winter, P. and Walker, L., 2008. Walk-through weighing of pigs using machine vision and an artificial neural network. *Biosystems Engineering*, 100(1), pp.117–125. Available at: <http://www.sciencedirect.com/science/article/pii/S1537511008000500>.

Weymaere, N., Martens, J., The, I. and Work, P., 1994. On the Initialization and Optimization of Multilayer Perceptrons. , 5(5).

Wongsriworaphon, A., Arnonkijpanich, B. and Pathumnakul, S., 2015. An approach based on digital image analysis to estimate the live weights of pigs in farm environments. *Computers and Electronics in Agriculture*, 115, pp.26–33. Available at: <http://dx.doi.org/10.1016/j.compag.2015.05.004>.

Xiangping, M., Huaguang, Z. and Wanyu, T., 2000. A hybrid method of GA and BP for short-term economic dispatch of hydrothermal power systems. *Mathematic and Computer in Simulation*, 51(3–4), pp.341–348.

Xiao, H.H. and Duan, Y.M., 2014. Application of the Bat Algorithm to Optimize the BP Neural Network. *Applied Mechanics and Materials*, 721, pp.531–534.

Yang, D. and Liu, W., 2011. Discussion about the Method of Constructing Loss Amount Model: Trying Construction Loss Amount Model with Newton's Interpolation. In *2011 International Conference on Management and Service Science*. IEEE, pp. 1–4. Available at: <http://ieeexplore.ieee.org/document/5999216/>.

Yang, X.-S., 2014a. Chapter 11 - Flower Pollination Algorithms. In *Nature-Inspired Optimization Algorithms*. pp. 155–173. Available at: <http://www.sciencedirect.com/science/article/pii/B9780124167438000117>.

Yang, X.-S., 2012. Flower Pollination Algorithm for Global Optimization. In *Unconventional Computation and Natural Computation*. pp. 240–249. Available at: [http://link.springer.com/10.1007/978-3-642-32894-7\\_27](http://link.springer.com/10.1007/978-3-642-32894-7_27).

Yang, X.-S., 2014b. *Nature-Inspired Optimization Algorithms*, Elsevier Inc. Available at: <http://linkinghub.elsevier.com/retrieve/pii/B9780124167438000014>.



- Yang, Y., Zong, X., Yao, D. and Li, S., 2017. Improved Alopex-based evolutionary algorithm (AEA) by quadratic interpolation and its application to kinetic parameter estimations. *Applied Soft Computing*, 51, pp.23–38. Available at: <http://dx.doi.org/10.1016/j.asoc.2016.11.037>.
- Yao, X., Liu, Y. and Lin, G., 1999. Evolutionary programming made faster. *IEEE Transactions on Evolutionary Computation*, 3(2), pp.82–102.
- Yu, F. and Xu, X., 2014. A short-term load forecasting model of natural gas based on optimized genetic algorithm and improved BP neural network. *Applied Energy*, 134, pp.102–113. Available at: <http://dx.doi.org/10.1016/j.apenergy.2014.07.104>.
- Zhang, G.P., Patuwo, B.E. and Hu, M.Y., 2001. A simulation study of artificial neural networks for nonlinear time-series forecasting. *Computers & Operations Research*, 28(4), pp.381–396. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0305054899001239>.
- Zhang, J.-R., Zhang, J., Lok, T.-M. and Lyu, M.R., 2007. A hybrid particle swarm optimization–back-propagation algorithm for feedforward neural network training. *Applied Mathematics and Computation*, 185(2), pp.1026–1037. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0096300306008277>.
- Zhu, H. and Li, H., 2013. Optimized BP Neural Network Model Based on Niche Genetic Algorithm. In Y. Yang & M. Ma, eds. *Proceedings of the 2nd International Conference on Green Communications and Networks 2012 (GCN 2012): Volume 1*. Lecture Notes in Electrical Engineering. Berlin, Heidelberg: Springer Berlin Heidelberg, pp. 219–226. Available at: <http://link.springer.com/10.1007/978-3-642-35470-0>.