

Refereed Journal articles (all in SCI-expanded journals, * denotes corresponding author):

1. E. Lughofer, M. Pratama and I. Skrjanc. **Online Bagging of Evolving Fuzzy Systems.** [Information Sciences](#), to appear, 2021.
2. E. Lughofer. **Improving the Robustness of Recursive Consequent Parameters Learning in Evolving Neuro-Fuzzy Systems.** [Information Sciences](#), vol. 545, pp. 555-574, 2021, <https://doi.org/10.1016/j.ins.2020.09.026>
3. P.V. De Campos Souza and E. Lughofer. **An Advanced Interpretable Fuzzy Neural Network Model based on Uni-Nullneuron constructed from N-uninorms.** [Fuzzy Sets and Systems](#), on-line and in press, <https://doi.org/10.1016/j.fss.2020.11.019>, 2021.
4. E. Lughofer, R. Pollak, C. Feilmayr, M. Schatzl and S. Saminger-Platz. **Prediction and Explanation Models for Hot Metal Temperature, Silicon Concentration and Cooling Capacity in Ironmaking Blast Furnaces.** [Steel Research International](#), to appear, 2021.
5. A.C. Zavoianu, E. Lughofer, R. Pollak, C. Eitzinger, T. Radauer. **A Soft-Computing Framework for Automated Optimization of Multiple Product Quality Criteria with Application to Micro-Fluidic Chip Production.** [Applied Soft Computing](#), articleID: 106827, 2021, <https://doi.org/10.1016/j.asoc.2020.10682>.
6. P.V. De Campos Souza and E. Lughofer. **Interpretable Hybrid Model in the Identification of Heart Sounds.** [Sensors](#), vol. 20 (22), 2020, articleID: 6477, <https://doi.org/10.3390/s20226477>
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9. P.V. De Campos Souza, L.C. Bambilra Torres, G.R. Lacerda Silva, A.P. Braga, E. Lughofer, **An Advanced Pruning Method in the Architecture of Extreme Learning Machines using L1-regularization and Bootstrapping,** [Electronics](#), vol. 9(5), ID: 811, 2020, <https://doi.org/10.3390/electronics9050811>
10. S. Benmoussa, M. Djeziri, M. Sayed-Mouchaweh, E. Lughofer, **Fault diagnosis and prognosis based on physical knowledge and reliability data: application to MOS Field-Effect Transistor,** [Microelectronics Reliability](#), vol. 110, ID: 113682, 2020, <https://doi.org/10.1016/j.microrel.2020.113682>
11. E. Lughofer and R. Nikzad-Langerodi. **Robust Generalized Fuzzy Systems Training from High-Dimensional Series Data using Local Structure Preserving PLS.** [IEEE Transactions on Fuzzy Systems](#), vol. 28 (11), pp. 2930-2943, 2020.
12. W. Zellinger, T. Grubinger, H. Schöner, E. Lughofer, S. Saminger-Platz and M. Zwick. **Multi-Source Transfer Learning of Time Series in Cyclical Manufacturing.** [Journal of Intelligent Manufacturing](#), vol. 31, pp. 777-787, 2019.
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17. I. Skrjanc, S. Blazic, E. Lughofer and D. Dovzan, **Inner Matrix Norms in evolving Cauchy Possibilistic Clustering for Classification and Regression from Data Streams**, [Information Sciences](#), vol. 478, pp. 540-563, 2019, <https://doi.org/10.1016/j.ins.2018.11.040>
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