

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

1. M. Pratama*, W. Pedrycz and E. Lughofer. **Online Tool Condition Monitoring Based on Parsimonious Ensemble+**. [IEEE Transactions on Cybernetics](#), to appear, September 2018.
2. Edwin Lughofer*, Mahardhika Pratama and Igor Skrjanc, **Incremental Rule Splitting in Generalized Evolving Fuzzy Systems for Autonomous Drift Compensation**, [IEEE Transactions on Fuzzy Systems](#), vol. 26(4), pp. 1854--1865, 2018, DOI: [10.1109/TFUZZ.2017.2753727](https://doi.org/10.1109/TFUZZ.2017.2753727)
3. J. Liu, E. Lughofer, X. Zeng and Z. Li. **The Power of Visual Texture in Aesthetic Perception: an exploration of the predictability of perceived aesthetic emotions**. [Computational Intelligence and Neuroscience](#), Article ID 1812980, 2018, <https://doi.org/10.1155/2018/1812980>
4. Jose de Jesus Rubio, Edwin Lughofer, Jesus A. Meda Campana, Luis Alberto Paramo, Juan Francisco Novoa, Jaime Pacheco, **Neural network updating via argument Kalman filter for modeling of Takagi-Sugeno fuzzy models**, [Journal of Intelligent and Fuzzy Systems](#), vol. 35, no. 2, pp. 2585-2596, 2018, DOI: [10.3233/JIFS-18425](https://doi.org/10.3233/JIFS-18425)
5. Ramin Nikzad-Langerodi*, Werner Zellinger, Edwin Lughofer and Susanne Saminger-Platz, **Domain-Invariant Partial Least Squares Regression**, [Analytical Chemistry](#), vol. 90 (11), pp. 6693-6701, 2018, DOI:[10.1021/acs.analchem.8b00498](https://doi.org/10.1021/acs.analchem.8b00498)
6. Ramin Nikzad-Langerodi, Edwin Lughofer*, Carlos Cernuda, Thomas Reischer, Wolfgang Kantner, Marcin Pawliczek, Markus Brandstetter, **Calibration Model Maintenance in Melamine Resin Production: Integrating Drift Detection, Smart Sample Selection and Model Adaptation**, [Analytica Chimica Acta](#), vol. 1013, pp. 1—12, 2018, appeared as *FEATURED ARTICLE with image on Front Cover Issue*.
7. Mahardhika Pratama, Witold Pedrycz and Edwin Lughofer*, **Evolving Ensemble Fuzzy Classifier**, [IEEE Transactions on Fuzzy Systems](#), on-line and in press, 2018,
8. E. Lughofer*, R. Pollak, A.C. Zavoianu, M. Pratama, P. Mayer-Heye, H. Zörrer, C. Eitzinger, J. Haim and T. Radauer. **Self-Adaptive Evolving Forecast Models with Incremental PLS Space Update for On-line Predicting Quality of Micro-fluidic Chips**. [Engineering Applications of Artificial Intelligence](#), vol. 68, pp. 131--151, 2018.
9. E. Lughofer* and M. Pratama. **On-line Active Learning for Data Stream Regression based on Single-Pass Certainty Sampling Criteria**. [IEEE Transactions on Fuzzy Systems](#), vol. 26(1), pp. 292--309, 2018, DOI: [10.1109/TFUZZ.2017.2654504](https://doi.org/10.1109/TFUZZ.2017.2654504)
10. M. Pratama*, E. Lughofer, P. Angelov and M.J. Er. **Parsimonious Random Vector Functional Link Network for Data Streams**, [Information Sciences](#), vol. 430--431, pp. 519--537, 2018.
11. J. Liu*, E. Lughofer and X. Zeng. **Toward Model Building for Visual Aesthetic Perception --- SURVEY/POSITION Paper**. [Computational Intelligence and Neuroscience](#), Article ID 1292801, 2018, <https://doi.org/10.1155/2017/1292801>
12. J.J. Rubio*, E. Lughofer, P. Angelov, J.F. Novoa and J.A. Meda-Campina. **A Novel Algorithm for the Modeling of Complex Processes**. [Kybernetika](#), vol. 54 (1), pp. 79—95, 2018.
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14. Edwin Lughofer*, **On-line Active Learning: A New Paradigm to Improve Practical Useability of Data Stream Modeling Methods - SURVEY/POSITION Paper**, *Information Sciences*, vol. 415-416, pp. 356-376, 2017, <https://doi.org/10.1016/j.ins.2017.06.038>
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