Yi Wen Kerk

List of Publications by Year
in descending order

23 papers	461 citations	759233 12 h-index	888059 17 g-index
23 all docs	23 docs citations	23 times ranked	329 citing authors

#	Article	IF	Citations
1	Monotone Fuzzy Rule Interpolation for Practical Modeling of the Zero-Order TSK Fuzzy Inference System. IEEE Transactions on Fuzzy Systems, 2022, 30, 1248-1259.	9.8	11
2	Parametric Conditions for a Monotone TSK Fuzzy Inference System to be an n-Ary Aggregation Function. IEEE Transactions on Fuzzy Systems, 2021, 29, 1864-1873.	9.8	10
3	A New Monotone Fuzzy Rule Relabeling Framework With Application to Failure Mode and Effect Analysis Methodology. IEEE Access, 2020, 8, 144908-144930.	4.2	2
4	Monotone Interval Fuzzy Inference Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 2255-2264.	9.8	17
5	Application of a Genetic-Fuzzy FMEA to Rainfed Lowland Rice Production in Sarawak: Environmental, Health, and Safety Perspectives. IEEE Access, 2018, 6, 74628-74647.	4.2	23
6	On Modelling of Data-Driven Monotone Zero-Order TSK Fuzzy Inference Systems using a System Identification Framework. IEEE Transactions on Fuzzy Systems, 2018, , 1-1.	9.8	24
7	On the Monotonicity Property of the TSK Fuzzy Inference System: The Necessity of the Sufficient Conditions and the Monotonicity Test. International Journal of Fuzzy Systems, 2018, 20, 1915-1924.	4.0	3
8	An Analytical Interval Fuzzy Inference System for Risk Evaluation and Prioritization in Failure Mode and Effect Analysis. IEEE Systems Journal, 2017, 11, 1589-1600.	4.6	42
9	Monotone Data Samples Do Not Always Generate Monotone Fuzzy If-Then Rules. Series in Bioengineering, 2017, , 255-264.	0.6	0
10	Application of self-organizing map to failure modes and effects analysis methodology. Neurocomputing, 2017, 249, 314-320.	5.9	29
11	Monotone data samples do not always produce monotone fuzzy if-then rules: Learning with ad hoc and system identification methods. , 2017, , .		4
12	Monotone Fuzzy Rule Relabeling for the Zero-Order TSK Fuzzy Inference System. IEEE Transactions on Fuzzy Systems, 2016, 24, 1455-1463.	9.8	30
13	Multi-expert decision-making with incomplete and noisy fuzzy rules and the monotone test. , 2016, , .		2
14	A new method to rank fuzzy numbers using Dempster–Shafer theory with fuzzy targets. Information Sciences, 2016, 346-347, 302-317.	6.9	21
15	A New Two-Stage Fuzzy Inference System-Based Approach to Prioritize Failures in Failure Mode and Effect Analysis. IEEE Transactions on Reliability, 2015, 64, 869-877.	4.6	56
16	A new interval-based method for handling non-monotonic information. , 2014, , .		1
17	A new monotonicity index for fuzzy rule-based systems. , 2014, , .		4
18	A non-linear programming-based similarity reasoning scheme for modelling of monotonicity-preserving multi-input fuzzy inference systems. Journal of Intelligent and Fuzzy Systems, 2012, 23, 71-92.	1.4	9

#	Article	IF	Citations
19	Optimization of Gaussian fuzzy membership functions and evaluation of the monotonicity property of Fuzzy Inference Systems. , 2011, , .		19
20	A fuzzy inference system-based criterion-referenced assessment model. Expert Systems With Applications, 2011, 38, 11129-11136.	7.6	26
21	ON MONOTONIC SUFFICIENT CONDITIONS OF FUZZY INFERENCE SYSTEMS AND THEIR APPLICATIONS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2011, 19, 731-757.	1.9	31
22	On the use of fuzzy inference techniques in assessment models: part Iâ€"theoretical properties. Fuzzy Optimization and Decision Making, 2008, 7, 269-281.	5.5	37
23	On the use of fuzzy inference techniques in assessment models: part II: industrial applications. Fuzzy Optimization and Decision Making, 2008, 7, 283-302.	5.5	60