

# Yi Wen Kerk

## List of Publications by Year in descending order

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Version: 2024-02-01

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	On the use of fuzzy inference techniques in assessment models: part II: industrial applications. <i>Fuzzy Optimization and Decision Making</i> , 2008, 7, 283-302.	5.5	60
2	A New Two-Stage Fuzzy Inference System-Based Approach to Prioritize Failures in Failure Mode and Effect Analysis. <i>IEEE Transactions on Reliability</i> , 2015, 64, 869-877.	4.6	56
3	An Analytical Interval Fuzzy Inference System for Risk Evaluation and Prioritization in Failure Mode and Effect Analysis. <i>IEEE Systems Journal</i> , 2017, 11, 1589-1600.	4.6	42
4	On the use of fuzzy inference techniques in assessment models: part I – theoretical properties. <i>Fuzzy Optimization and Decision Making</i> , 2008, 7, 269-281.	5.5	37
5	ON MONOTONIC SUFFICIENT CONDITIONS OF FUZZY INFERENCE SYSTEMS AND THEIR APPLICATIONS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2011, 19, 731-757.	1.9	31
6	Monotone Fuzzy Rule Relabeling for the Zero-Order TSK Fuzzy Inference System. <i>IEEE Transactions on Fuzzy Systems</i> , 2016, 24, 1455-1463.	9.8	30
7	Application of self-organizing map to failure modes and effects analysis methodology. <i>Neurocomputing</i> , 2017, 249, 314-320.	5.9	29
8	A fuzzy inference system-based criterion-referenced assessment model. <i>Expert Systems With Applications</i> , 2011, 38, 11129-11136.	7.6	26
9	On Modelling of Data-Driven Monotone Zero-Order TSK Fuzzy Inference Systems using a System Identification Framework. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, , 1-1.	9.8	24
10	Application of a Genetic-Fuzzy FMEA to Rainfed Lowland Rice Production in Sarawak: Environmental, Health, and Safety Perspectives. <i>IEEE Access</i> , 2018, 6, 74628-74647.	4.2	23
11	A new method to rank fuzzy numbers using Dempster’s Shafer theory with fuzzy targets. <i>Information Sciences</i> , 2016, 346-347, 302-317.	6.9	21
12	Optimization of Gaussian fuzzy membership functions and evaluation of the monotonicity property of Fuzzy Inference Systems. , 2011, , .		19
13	Monotone Interval Fuzzy Inference Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 2255-2264.	9.8	17
14	Monotone Fuzzy Rule Interpolation for Practical Modeling of the Zero-Order TSK Fuzzy Inference System. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 1248-1259.	9.8	11
15	Parametric Conditions for a Monotone TSK Fuzzy Inference System to be an $n$ -Ary Aggregation Function. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 1864-1873.	9.8	10
16	A non-linear programming-based similarity reasoning scheme for modelling of monotonicity-preserving multi-input fuzzy inference systems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2012, 23, 71-92.	1.4	9
17	A new monotonicity index for fuzzy rule-based systems. , 2014, , .		4
18	Monotone data samples do not always produce monotone fuzzy if-then rules: Learning with ad hoc and system identification methods. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	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
20	Multi-expert decision-making with incomplete and noisy fuzzy rules and the monotone test. , 2016, , .		2
21	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
22	A new interval-based method for handling non-monotonic information. , 2014, , .		1
23	Monotone Data Samples Do Not Always Generate Monotone Fuzzy If-Then Rules. Series in Bioengineering, 2017, , 255-264.	0.6	0