Simon Coupland

List of Publications by Year
in descending order

34 papers	1,340 citations	840585 11 h-index	887953 17 g-index
34 all docs	34 docs citations	34 times ranked	695 citing authors

#	Article	IF	Citations
1	Geometric Type-1 and Type-2 Fuzzy Logic Systems. IEEE Transactions on Fuzzy Systems, 2007, 15, 3-15.	6.5	278
2	Type-2 Fuzzy Logic: A Historical View. IEEE Computational Intelligence Magazine, 2007, 2, 57-62.	3.4	191
3	The collapsing method of defuzzification for discretised interval type-2 fuzzy sets. Information Sciences, 2009, 179, 2055-2069.	4.0	163
4	Enhanced Interval Approach for Encoding Words Into Interval Type-2 Fuzzy Sets and Its Convergence Analysis. IEEE Transactions on Fuzzy Systems, 2012, 20, 499-513.	6.5	160
5	A Fast Geometric Method for Defuzzification of Type-2 Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2008, 16, 929-941.	6.5	98
6	The sampling method of defuzzification for type-2 fuzzy sets: Experimental evaluation. Information Sciences, 2012, 189, 77-92.	4.0	67
7	New geometric inference techniques for type-2 fuzzy sets. International Journal of Approximate Reasoning, 2008, 49, 198-211.	1.9	63
8	On Nie-Tan Operator and Type-Reduction of Interval Type-2 Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2018, 26, 1036-1039.	6.5	56
9	Interval type-2 fuzzy decision making. International Journal of Approximate Reasoning, 2017, 80, 217-224.	1.9	55
10	Type-2 Fuzzy Sets: Geometric Defuzzification and Type-Reduction. , 2007, , .		39
11	Enhanced Interval Approach for encoding words into interval type-2 fuzzy sets and convergence of the word FOUs. , 2010, , .		30
12	Type-2 fuzzy elliptic membership functions for modeling uncertainty. Engineering Applications of Artificial Intelligence, 2018, 70, 170-183.	4.3	26
13	Type-2 defuzzification: Two contrasting approaches. , 2010, , .		14
14	Type-2 Fuzzy Logic: Challenges and Misconceptions [Discussion Forum]. IEEE Computational Intelligence Magazine, 2012, 7, 48-52.	3.4	14
15	Real-time evolution of an embedded controller for an autonomous helicopter. , 2008, , .		10
16	A new recursive type-reduction procedure for general type-2 fuzzy sets. , 2011, , .		8
17	Designing generalised type-2 fuzzy logic systems using interval type-2 fuzzy logic systems and simulated annealing. , 2012, , .		8
18	Type-2 Fuzzy Logic and the Modelling of Uncertainty. , 2008, , 3-22.		8

#	Article	IF	Citations
19	Interval Type–2 Defuzzification Using Uncertainty Weights. Studies in Computational Intelligence, 2018, , 47-59.	0.7	7
20	A generalised type-2 fuzzy logic system embedded board and integrated development environment. , 2008, , .		6
21	Elliptic membership functions and the modeling uncertainty in type-2 fuzzy logic systems as applied to time series prediction. , 2017, , .		6
22	On the Accuracy of Type-2 Fuzzy Sets. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	5
23	A Study on the Interpretability of a Fuzzy System to Control an Inverted Pendulum. , 2019, , .		5
24	Real-world dynamic optimization using an adaptive-mutation compact genetic algorithm. , 2014, , .		4
25	Just–In–Time Supply Chain Management Using Interval Type–2 Fuzzy Decision Making. , 2019, , .		4
26	Type-2 Fuzzy Logic and the Modelling of Uncertainty in Applications. Studies in Computational Intelligence, 2009, , 185-201.	0.7	4
27	Adaptive-mutation compact genetic algorithm for dynamic environments. Soft Computing, 2016, 20, 3097-3115.	2.1	3
28	Geometric Type-2 Fuzzy Sets. Studies in Fuzziness and Soft Computing, 2013, , 81-96.	0.6	2
29	An investigation into determining head pose for gaze estimation on unmodified mobile devices. , 2014, , .		2
30	Real-Time 3D Head Pose Tracking Through 2.5D Constrained Local Models with Local Neural Fields. International Journal of Computer Vision, 2019, 127, 579-598.	10.9	2
31	A new monotonie type-reducer for interval type-2 fuzzy sets. , 2014, , .		1
32	Adaptive mutation in dynamic environments. , 2014, , .		1
33	The application of colour FIRE to robot vision. , 2010, , .		0
34	A fast geometric defuzzication operator for large scale information retrieval. , 2014, , .		0