

# Simon Coupland

## List of Publications by Citations

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32  
papers

1,037  
citations

12  
h-index

32  
g-index

34  
ext. papers

1,188  
ext. citations

5.1  
avg, IF

4.58  
L-index

#	Paper	IF	Citations
32	Geometric Type-1 and Type-2 Fuzzy Logic Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2007</b> , 15, 3-15	8.3	207
31	The collapsing method of defuzzification for discretised interval type-2 fuzzy sets. <i>Information Sciences</i> , <b>2009</b> , 179, 2055-2069	7.7	143
30	Type-2 Fuzzy Logic: A Historical View. <i>IEEE Computational Intelligence Magazine</i> , <b>2007</b> , 2, 57-62	5.6	137
29	Enhanced Interval Approach for Encoding Words Into Interval Type-2 Fuzzy Sets and Its Convergence Analysis. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2012</b> , 20, 499-513	8.3	131
28	A Fast Geometric Method for Defuzzification of Type-2 Fuzzy Sets. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2008</b> , 16, 929-941	8.3	78
27	The sampling method of defuzzification for type-2 fuzzy sets: Experimental evaluation. <i>Information Sciences</i> , <b>2012</b> , 189, 77-92	7.7	57
26	New geometric inference techniques for type-2 fuzzy sets. <i>International Journal of Approximate Reasoning</i> , <b>2008</b> , 49, 198-211	3.6	56
25	On Nie-Tan Operator and Type-Reduction of Interval Type-2 Fuzzy Sets. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 1036-1039	8.3	43
24	Interval type-2 fuzzy decision making. <i>International Journal of Approximate Reasoning</i> , <b>2017</b> , 80, 217-224	3.6	40
23	Type-2 Fuzzy Sets: Geometric Defuzzification and Type-Reduction <b>2007</b> ,		27
22	Enhanced Interval Approach for encoding words into interval type-2 fuzzy sets and convergence of the word FOU's <b>2010</b> ,		21
21	Type-2 fuzzy elliptic membership functions for modeling uncertainty. <i>Engineering Applications of Artificial Intelligence</i> , <b>2018</b> , 70, 170-183	7.2	17
20	Type-2 Fuzzy Logic: Challenges and Misconceptions [Discussion Forum]. <i>IEEE Computational Intelligence Magazine</i> , <b>2012</b> , 7, 48-52	5.6	12
19	Type-2 defuzzification: Two contrasting approaches <b>2010</b> ,		10
18	Designing generalised type-2 fuzzy logic systems using interval type-2 fuzzy logic systems and simulated annealing <b>2012</b> ,		7
17	A new recursive type-reduction procedure for general type-2 fuzzy sets <b>2011</b> ,		7
16	Real-time evolution of an embedded controller for an autonomous helicopter <b>2008</b> ,		7

15	A generalised type-2 fuzzy logic system embedded board and integrated development environment <b>2008</b> ,		6
14	Elliptic membership functions and the modeling uncertainty in type-2 fuzzy logic systems as applied to time series prediction <b>2017</b> ,		4
13	Real-world dynamic optimization using an adaptive-mutation compact genetic algorithm <b>2014</b> ,		4
12	Type-2 Fuzzy Logic and the Modelling of Uncertainty <b>2008</b> , 3-22		4
11	On the Accuracy of Type-2 Fuzzy Sets. <i>IEEE International Conference on Fuzzy Systems</i> , <b>2007</b> ,		3
10	Interval Type-2 Defuzzification Using Uncertainty Weights. <i>Studies in Computational Intelligence</i> , <b>2018</b> , 47-59	0.8	2
9	Adaptive-mutation compact genetic algorithm for dynamic environments. <i>Soft Computing</i> , <b>2016</b> , 20, 3097-3115	3.5	2
8	An investigation into determining head pose for gaze estimation on unmodified mobile devices <b>2014</b> ,		2
7	Type-2 Fuzzy Logic and the Modelling of Uncertainty in Applications. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 185-201	0.8	2
6	A Study on the Interpretability of a Fuzzy System to Control an Inverted Pendulum <b>2019</b> ,		2
5	JustInTime Supply Chain Management Using Interval Type-2 Fuzzy Decision Making <b>2019</b> ,		2
4	Real-Time 3D Head Pose Tracking Through 2.5D Constrained Local Models with Local Neural Fields. <i>International Journal of Computer Vision</i> , <b>2019</b> , 127, 579-598	10.6	1
3	Adaptive mutation in dynamic environments <b>2014</b> ,		1
2	A new monotonic type-reducer for interval type-2 fuzzy sets <b>2014</b> ,		1
1	Geometric Type-2 Fuzzy Sets. <i>Studies in Fuzziness and Soft Computing</i> , <b>2013</b> , 81-96	0.7	1