

Balasubramaniam Jayaram

List of Publications by Year in descending order

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57
papers

1,195
citations

516215

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h-index

395343

33
g-index

63
all docs

63
docs citations

63
times ranked

276
citing authors

#	ARTICLE	IF	CITATIONS
1	Importation lattices. Fuzzy Sets and Systems, 2021, 405, 1-17.	1.6	6
2	Order based on associative operations. Information Sciences, 2021, 566, 326-346.	4.0	8
3	Fuzzy implications: alpha migrativity and generalised laws of importation. Information Sciences, 2020, 531, 87-96.	4.0	13
4	Performance of Minkowski-type Distances in Similarity Search - A Geometrical Approach. , 2020, , .		0
5	On the Unsurprising Behaviour of Kernels in High Dimensions. , 2020, , .		0
6	Importation Algebras. Advances in Intelligent Systems and Computing, 2019, , 83-94.	0.5	0
7	On alpha-Migrativity of Fuzzy Implications and the Generalised Laws of Importation. , 2018, , .		0
8	A short note on fuzzy relational inference systems. Fuzzy Sets and Systems, 2018, 338, 90-96.	1.6	4
9	T-subnorms with strong associated negation: Some properties. Fuzzy Sets and Systems, 2017, 323, 94-102.	1.6	3
10	Measuring Concentration of Distances – An Effective and Efficient Empirical Index. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 373-386.	4.0	8
11	Monotonicity of SISO Fuzzy Relational Inference With an Implicative Rule Base. IEEE Transactions on Fuzzy Systems, 2016, 24, 1475-1487.	6.5	15
12	Lattice operations on fuzzy implications and the preservation of the exchange principle. Fuzzy Sets and Systems, 2016, 301, 64-78.	1.6	4
13	Interpolativity of at-least and at-most models of monotone fuzzy rule bases with multiple antecedent variables. Fuzzy Sets and Systems, 2016, 297, 26-45.	1.6	25
14	Bijjective transformations of fuzzy implications – An algebraic perspective. Fuzzy Sets and Systems, 2016, 291, 3-17.	1.6	0
15	What are Clusters in High Dimensions and are they Difficult to Find?. Lecture Notes in Computer Science, 2015, , 14-33.	1.0	9
16	The $\tilde{\circ}$ -composition of fuzzy implications: Closures with respect to properties, powers and families. Fuzzy Sets and Systems, 2015, 275, 58-87.	1.6	27
17	Fuzzy Implications: Past, Present, and Future. , 2015, , 183-202.		44
18	Homomorphisms on the monoid of fuzzy implications and the iterative functional equation $\langle \text{mml:math altimg}="si39.gif" \text{ overflow}="scroll" \text{ xmlns:xocs}="http://www.elsevier.com/xml/xocs/dtd" \text{ xmlns:xs}="http://www.w3.org/2001/XMLSchema" \text{ xmlns:xsi}="http://www.w3.org/2001/XMLSchema-instance" \text{ xmlns}="http://www.elsevier.com/xml/ja/dtd" \text{ xmlns:ja}="http://www.elsevier.com/xml/ja/dtd" \text{ xmlns:mml}="http://www.w3.org/1998/Math/MathML" \text{ xmlns:tb}="http://www.elsevier.com/xml/common/table/dtd" \text{ xmlns:sb}="http://www.elsevier.com/xml/} \text{In}$	4.0	3

#	ARTICLE	IF	CITATIONS
19	SISO fuzzy relational inference systems based on fuzzy implications are universal approximators. Fuzzy Sets and Systems, 2015, 277, 1-21.	1.6	24
20	Bandler's Kohout Subproduct With Yager's Classes of Fuzzy Implications. IEEE Transactions on Fuzzy Systems, 2014, 22, 469-482.	6.5	17
21	Representations through a monoid on the set of fuzzy implications. Fuzzy Sets and Systems, 2014, 247, 51-67.	1.6	23
22	Similarity-Based Reasoning Fuzzy Systems and Universal Approximation. Springer Proceedings in Mathematics and Statistics, 2014, , 215-230.	0.1	1
23	Analysis of contingency tables based on generalised median polish with power transformations and non-additive models. Health Information Science and Systems, 2013, 1, 11.	3.4	0
24	RaCoCl: Robust rank correlation based clustering - An exploratory study for high-dimensional data. , 2013, , .		1
25	R-implications and the exchange principle: The case of border continuous t-norms. Fuzzy Sets and Systems, 2013, 224, 93-105.	1.6	9
26	Homomorphisms on the monoid of fuzzy implications. , 2013, , .		1
27	Approximation capability of SISO Fuzzy Relational Inference systems based on fuzzy implications. , 2013, , .		3
28	Fuzzy Implications: Some Recently Solved Problems. Studies in Fuzziness and Soft Computing, 2013, , 177-204.	0.6	1
29	Homomorphisms on the Monoid of Fuzzy Implications $(\mathbb{I}, \text{circledast})$ - A Complete Characterization. Lecture Notes in Computer Science, 2013, , 563-568.	1.0	0
30	Can unbounded distance measures mitigate the curse of dimensionality?. International Journal of Data Mining, Modelling and Management, 2012, 4, 361.	0.1	11
31	Solution to an open problem: a characterization of conditionally cancellative t-subnorms. Aequationes Mathematicae, 2012, 84, 235-244.	0.4	8
32	Intersections between some families of (U,N)- and RU-implications. Fuzzy Sets and Systems, 2011, 167, 30-44.	1.6	12
33	Fuzzy Inference System based Contrast Enhancement. , 2011, , .		13
34	R-implications and the Exchange Principle:A Complete Characterization. , 2011, , .		2
35	QL-implications: Some properties and intersections. Fuzzy Sets and Systems, 2010, 161, 158-188.	1.6	66
36	On the continuity of residuals of triangular norms. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 1010-1018.	0.6	5

#	ARTICLE	IF	CITATIONS
37	On the Suitability of the Bandler-Kohout Subproduct as an Inference Mechanism. IEEE Transactions on Fuzzy Systems, 2010, 18, 285-298.	6.5	69
38	On an Open Problem of U. Höhle - A Characterization of Conditionally Cancellative T-Subnorms. Communications in Computer and Information Science, 2010, , 676-682.	0.4	1
39	On the computational aspects of the BK-subproduct inference mechanism. , 2009, , .		3
40	(U,N)-implications and their characterizations. Fuzzy Sets and Systems, 2009, 160, 2049-2062.	1.6	68
41	On special fuzzy implications. Fuzzy Sets and Systems, 2009, 160, 2063-2085.	1.6	39
42	I-Fuzzy equivalence relations and I-fuzzy partitions. Information Sciences, 2009, 179, 1278-1297.	4.0	57
43	On the Distributivity of Fuzzy Implications Over Nilpotent or Strict Triangular Conorms. IEEE Transactions on Fuzzy Systems, 2009, 17, 590-603.	6.5	68
44	- and R-implications: A state-of-the-art survey. Fuzzy Sets and Systems, 2008, 159, 1836-1859.	1.6	137
45	Erratum to "On the characterizations of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mo stretchy="false" \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle$ Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342	1.6	1
46	Rule reduction for efficient inferencing in similarity based reasoning. International Journal of Approximate Reasoning, 2008, 48, 156-173.	1.9	44
47	On the Law of Importation $(x \wedge y) \rightarrow z \equiv (x \rightarrow (y \rightarrow z))$ Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342	6.5	96
48	An Introduction to Fuzzy Implications. Studies in Fuzziness and Soft Computing, 2008, , 1-35.	0.6	9
49	Fuzzy Implications from Fuzzy Logic Operations. Studies in Fuzziness and Soft Computing, 2008, , 39-107.	0.6	3
50	On the characterizations of \rightarrow -implications. Fuzzy Sets and Systems, 2007, 158, 1713-1727.	1.6	94
51	Contrapositive symmetrisation of fuzzy implications - Revisited. Fuzzy Sets and Systems, 2006, 157, 2291-2310.	1.6	30
52	On the distributivity of implication operators over T and S norms. IEEE Transactions on Fuzzy Systems, 2004, 12, 194-198.	6.5	94
53	Fuzzy Implications from Generator Functions. Studies in Fuzziness and Soft Computing, 0, , 109-125.	0.6	0
54	Intersections between Families of Fuzzy Implications. Studies in Fuzziness and Soft Computing, 0, , 127-143.	0.6	0

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55	Fuzzy Implications from Uninorms. Studies in Fuzziness and Soft Computing, 0, , 145-177.	0.6	0
56	Algebraic Structures of Fuzzy Implications. Studies in Fuzziness and Soft Computing, 0, , 181-204.	0.6	0
57	Fuzzy Implications and Some Functional Equations. Studies in Fuzziness and Soft Computing, 0, , 207-240.	0.6	0