

# Belur V Dasarathy

## List of Publications by Year in descending order

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47  
papers

1,344  
citations

933447

10  
h-index

345221

36  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1451  
citing authors

#	ARTICLE	IF	CITATIONS
1	Medical image fusion: A survey of the state of the art. Information Fusion, 2014, 19, 4-19.	19.1	689
2	A Special Issue on Intelligent Transportation Systems. Information Fusion, 2011, 12, 1.	19.1	3
3	A Special Issue on Information Fusion in Future Generation Communication Environments. Information Fusion, 2011, 12, 147.	19.1	1
4	A Special Issue on Information Fusion for Cognitive Automobiles. Information Fusion, 2011, 12, 241.	19.1	1
5	A special issue on Natural Computing Methods in Bioinformatics. Information Fusion, 2009, 10, 209.	19.1	5
6	A special issue on web information fusion. Information Fusion, 2008, 9, 443.	19.1	1
7	A special issue on logic-based approaches to information fusion. Information Fusion, 2006, 7, 1.	19.1	4
8	Robust speech processing using multi-sensor multi-source information fusion – an overview of the state of the art. Information Fusion, 2004, 5, 77-80.	19.1	13
9	A panoramic sampling of avant-garde applications of information fusion. Information Fusion, 2004, 5, 233-238.	19.1	2
10	DEI-DEO fusion as a tool for improving decision robustness across metrics in similarity-measure-based classifiers. , 2004, , .		1
11	Attributes significance elucidation as a knowledge discovery tool under case-based reasoning. , 2004, , .		0
12	Impact of expanding the multiplicity of information sources on fusion system architecture and fusion logic options. , 2003, , .		0
13	Image Fusion in the context of Aerospace Applications. Information Fusion, 2002, 3, 1.	19.1	5
14	<title>Metric sensitivity of the multisensor information fusion process under instance-based learning</title>. , 2001, 4385, 1.		1
15	<title>Asymptotic temporal fusion benefits in a three-sensor suite</title>. , 2000, 4051, 2.		1
16	Elucidative fusion systems – an exposition. Information Fusion, 2000, 1, 5-15.	19.1	34
17	Information fusion benefits delineation in off-nominal scenarios. , 1999, 3719, 2.		5
18	Pattern Recognition- a Pillar in the Sensor Fusion Edifice or Vice Versa?. , 1999, , 445-454.		0

#	ARTICLE	IF	CITATIONS
19	Guest Editorial: Special Section on Sensor Fusion 1998: A Case for Intelligent Fusion. Optical Engineering, 1998, 37, 352.	1.0	2
20	Decision fusion benefits assessment in a three-sensor suite framework. Optical Engineering, 1998, 37, 354.	1.0	17
21	<title>Piece-wise quadratic classifier for multichoice decision environments</title>. , 1998, , .		0
22	Operationally efficient architectures for fusion of binary-decision sensors in multidecision environments. Optical Engineering, 1997, 36, 632.	1.0	10
23	Fuzzy evidential reasoning approach to target identity and state fusion in multisensor environments. Optical Engineering, 1997, 36, 669.	1.0	16
24	<title>Asymmetric fusion strategies for target detection in multisensor environments</title>. , 1997, 3067, 26.		4
25	<title>Fusion strategies for deployment of binary decision sensors in multichoice decision environments</title>. , 1996, , .		1
26	Guest Editorial: Special Section on Sensor Fusion 1996. Optical Engineering, 1996, 35, 601.	1.0	7
27	Fusion strategies for enhancing decision reliability in multisensor environments. Optical Engineering, 1996, 35, 603.	1.0	25
28	Adaptive fusion processor paradigms for fusion of information acquired at different levels of detail. Optical Engineering, 1996, 35, 634.	1.0	12
29	Adaptive decision systems with extended learning for deployment in partially exposed environments. Optical Engineering, 1995, 34, 1269.	1.0	8
30	<title>Texture-based classification of cell imagery</title>. , 1992, 1652, 284.		0
31	Image characterizations based on joint gray levelâ€™run length distributions. Pattern Recognition Letters, 1991, 12, 497-502.	4.2	250
32	Learning under a VEDIC teacher. International Journal of Computer & Information Sciences, 1979, 8, 75-88.	0.2	7
33	CHITRA: Cognitive handprinted input-trained recursively analyzing system for recognition of alphanumeric characters. International Journal of Computer & Information Sciences, 1978, 7, 253-282.	0.2	5
34	FEAST: Feature evaluation and selection technique for deployment in unsupervised nonparametric environments. International Journal of Computer & Information Sciences, 1977, 6, 307-315.	0.2	0
35	Bistate Socioecological Processes Exhibiting Complex Nonlinear Behavior-An Analytical Exposition. IEEE Transactions on Systems, Man, and Cybernetics, 1976, SMC-6, 295-302.	0.9	1
36	Sequential learning employing unfamiliar teacher hypothesis (SLEUTH) with concurrent estimation of both the parameters and teacher characteristics. International Journal of Computer & Information Sciences, 1976, 5, 1-7.	0.2	14

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37	Non-linear coupling in dynamic models of bi-state social interaction processes with time variable properties. International Journal of Systems Science, 1975, 6, 689-692.	5.5	0
38	An innovative clustering technique for unsupervised learning in the context of remotely sensed earth resources data analysis. International Journal of Systems Science, 1975, 6, 23-32.	5.5	4
39	An analytical approach to the study of a class of bi-state social interaction processes. International Journal of Systems Science, 1975, 6, 367-370.	5.5	0
40	On a generalized dynamic model of bi-state social interaction processes. International Journal of Systems Science, 1974, 5, 499-502.	5.5	4
41	Dynamics of a class of social interaction systems. International Journal of Systems Science, 1974, 5, 329-333.	5.5	4
42	An integrated non-parametric sequential approach to multi-class pattern classification. International Journal of Systems Science, 1973, 4, 449-460.	5.5	5
43	Distributed parameter systems with non-linear coupling and $\hat{\epsilon}^{-1}$ Laplace equations. International Journal of Systems Science, 1971, 1, 265-267.	5.5	0
44	A generalized Bessel equation and synthesis of second-order non-autonomous systems. International Journal of Systems Science, 1971, 1, 307-309.	5.5	0
45	On the equivalence of certain classes of non-linear and linear distributed parameter systems. International Journal of Systems Science, 1971, 1, 213-216.	5.5	1
46	A nonlinear problem in rigid body dynamics. AIAA Journal, 1970, 8, 1870-1871.	2.6	1
47	Reply by Author to M.N. Rao. AIAA Journal, 1970, 8, 2111-2112.	2.6	0