

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	Image characterizations based on joint gray levelâ€™run length distributions. Pattern Recognition Letters, 1991, 12, 497-502.	4.2	250
3	Elucidative fusion systems â€™ an exposition. Information Fusion, 2000, 1, 5-15.	19.1	34
4	Fusion strategies for enhancing decision reliability in multisensor environments. Optical Engineering, 1996, 35, 603.	1.0	25
5	Decision fusion benefits assessment in a three-sensor suite framework. Optical Engineering, 1998, 37, 354.	1.0	17
6	Fuzzy evidential reasoning approach to target identity and state fusion in multisensor environments. Optical Engineering, 1997, 36, 669.	1.0	16
7	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
8	Robust speech processing using multi-sensor multi-source information fusionâ€™an overview of the state of the art. Information Fusion, 2004, 5, 77-80.	19.1	13
9	Adaptive fusion processor paradigms for fusion of information acquired at different levels of detail. Optical Engineering, 1996, 35, 634.	1.0	12
10	Operationally efficient architectures for fusion of binary-decision sensors in multidecision environments. Optical Engineering, 1997, 36, 632.	1.0	10
11	Adaptive decision systems with extended learning for deployment in partially exposed environments. Optical Engineering, 1995, 34, 1269.	1.0	8
12	Learning under a VEDIC teacher. International Journal of Computer & Information Sciences, 1979, 8, 75-88.	0.2	7
13	Guest Editorial: Special Section on Sensor Fusion 1996. Optical Engineering, 1996, 35, 601.	1.0	7
14	An integrated non-parametric sequential approach to multi-class pattern classification. International Journal of Systems Science, 1973, 4, 449-460.	5.5	5
15	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
16	Information fusion benefits delineation in off-nominal scenarios. , 1999, 3719, 2.		5
17	Image Fusion in the context of Aerospace Applications. Information Fusion, 2002, 3, 1.	19.1	5
18	A special issue on Natural Computing Methods in Bioinformatics. Information Fusion, 2009, 10, 209.	19.1	5

#	ARTICLE	IF	CITATIONS
19	On a generalized dynamic model of bi-state social interaction processes. International Journal of Systems Science, 1974, 5, 499-502.	5.5	4
20	Dynamics of a class of social interaction systems. International Journal of Systems Science, 1974, 5, 329-333.	5.5	4
21	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
22	<title>Asymmetric fusion strategies for target detection in multisensor environments</title>. , 1997, 3067, 26.		4
23	A special issue on logic-based approaches to information fusion. Information Fusion, 2006, 7, 1.	19.1	4
24	A Special Issue on Intelligent Transportation Systems. Information Fusion, 2011, 12, 1.	19.1	3
25	Guest Editorial: Special Section on Sensor Fusion 1998: A Case for Intelligent Fusion. Optical Engineering, 1998, 37, 352.	1.0	2
26	A panoramic sampling of avant-garde applications of information fusion. Information Fusion, 2004, 5, 233-238.	19.1	2
27	A nonlinear problem in rigid body dynamics. AIAA Journal, 1970, 8, 1870-1871.	2.6	1
28	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
29	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
30	<title>Fusion strategies for deployment of binary decision sensors in multichoice decision environments</title>. , 1996, , .		1
31	<title>Asymptotic temporal fusion benefits in a three-sensor suite</title>. , 2000, 4051, 2.		1
32	<title>Metric sensitivity of the multisensor information fusion process under instance-based learning</title>. , 2001, 4385, 1.		1
33	DEI-DEO fusion as a tool for improving decision robustness across metrics in similarity-measure-based classifiers. , 2004, , .		1
34	A special issue on web information fusion. Information Fusion, 2008, 9, 443.	19.1	1
35	A Special Issue on Information Fusion in Future Generation Communication Environments. Information Fusion, 2011, 12, 147.	19.1	1
36	A Special Issue on Information Fusion for Cognitive Automobiles. Information Fusion, 2011, 12, 241.	19.1	1

#	ARTICLE	IF	CITATIONS
37	Reply by Author to M.N. Rao. AIAA Journal, 1970, 8, 2111-2112.	2.6	0
38	Distributed parameter systems with non-linear coupling and $\hat{\text{inverse}}^{\text{TM}}$ Laplace equations. International Journal of Systems Science, 1971, 1, 265-267.	5.5	0
39	A generalized Bessel equation and synthesis of second-order non-autonomous systems. International Journal of Systems Science, 1971, 1, 307-309.	5.5	0
40	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
41	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
42	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
43	<title>Texture-based classification of cell imagery</title>. , 1992, 1652, 284.		0
44	<title>Piece-wise quadratic classifier for multichoice decision environments</title>. , 1998, , .		0
45	Impact of expanding the multiplicity of information sources on fusion system architecture and fusion logic options. , 2003, , .		0
46	Attributes significance elucidation as a knowledge discovery tool under case-based reasoning. , 2004, , .		0
47	Pattern Recognition- a Pillar in the Sensor Fusion Edifice or Vice Versa?. , 1999, , 445-454.		0