

Kerim Demirbas

List of Publications by Year in descending order

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37
papers

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1306789

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10
g-index

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all docs

37
docs citations

37
times ranked

68
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of deterministic and stochastic IMU error parameters. , 2012, , .		32
2	Maneuvering Target Tracking with Hypothesis Testing. IEEE Transactions on Aerospace and Electronic Systems, 1987, AES-23, 757-766.	2.6	20
3	Optimum decoding-based smoothing algorithm for dynamic systems. International Journal of Systems Science, 1985, 16, 951-966.	3.7	16
4	Information Theoretic Smoothing Algorithms for Dynamic Systems with or without Interference. Control and Dynamic Systems, 1984, 21, 175-295.	0.1	14
5	Distributed sensor data fusion with binary decision trees. IEEE Transactions on Aerospace and Electronic Systems, 1989, 25, 643-649.	2.6	13
6	Maximum a posteriori approach to object recognition with distributed sensors. IEEE Transactions on Aerospace and Electronic Systems, 1988, 24, 309-313.	2.6	12
7	Cohen's bilinear class of shift-invariant space/spatial-frequency signal representations for particle-location analysis of in-line Fresnel holograms. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 2117.	0.8	10
8	A suboptimum decoding-based smoothing algorithm for dynamic systems with or without interference. International Journal of Systems Science, 1986, 17, 499-511.	3.7	9
9	A novel real-time adaptive suboptimal recursive state estimation scheme for nonlinear discrete dynamic systems with non-Gaussian noise. , 2012, 22, 593-604.		8
10	Manoeuvring-target tracking with the Viterbi algorithm in the presence of interference. IEE Proceedings, Part F: Radar and Signal Processing, 1989, 136, 262.	0.2	7
11	A stack sequential decoding-based smoothing algorithm for dynamic systems with interference. International Journal of Systems Science, 1986, 17, 479-497.	3.7	5
12	Optimum decoding based smoothing algorithm for dynamic systems with interference. International Journal of Systems Science, 1986, 17, 251-267.	3.7	5
13	A state prediction scheme for discrete time nonlinear dynamic systems. International Journal of General Systems, 2007, 36, 501-511.	1.2	4
14	A new real-time suboptimum filtering and prediction scheme for general nonlinear discrete dynamic systems with Gaussian or non-Gaussian noise. International Journal of Systems Science, 2011, 42, 1789-1799.	3.7	4
15	Oba Filter for Online-Adaptive Nonlinear State Estimation With Interference. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1347-1356.	2.6	4
16	A stack sequential decoding based smoothing algorithm for dynamic systems. International Journal of Systems Science, 1986, 17, 269-280.	3.7	3
17	Non-linear smoothing algorithm for multi-dimensional dynamic systems. International Journal of Systems Science, 1989, 20, 759-778.	3.7	2
18	State estimation for nonlinear discrete dynamic systems with missing observations. Journal of the Franklin Institute, 1990, 327, 49-59.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Online state estimation for discrete nonlinear dynamic systems with nonlinear noise and interference. Journal of the Franklin Institute, 2015, 352, 216-235.	1.9	2
20	Multi-dimensional state smoothing in the presence of non-linear interference. International Journal of Systems Science, 1989, 20, 1547-1564.	3.7	1
21	Finite state machines in state estimation for dynamic systems with an Nth order memory and nonlinear interference. Journal of the Franklin Institute, 1989, 326, 817-829.	1.9	1
22	Multidimensional state estimation using stacks for dynamic systems with interference. Automatica, 1989, 25, 617-621.	3.0	1
23	Non-linear state smoothing and filtering in blocks for dynamic systems with missing observations. International Journal of Systems Science, 1990, 21, 1135-1144.	3.7	1
24	STATE ESTIMATION FOR GENERAL DYNAMIC SYSTEMS WITH NONLINEAR INTERFERENCE AND MISSING OBSERVATIONS. International Journal of General Systems, 1990, 17, 33-43.	1.2	1
25	Fast state estimation scheme for multidimensional dynamic systems. International Journal of Control, 1988, 48, 1-28.	1.2	0
26	Multidimensional state estimation with blocks and Viterbi decoding algorithms. International Journal of Control, 1988, 47, 161-179.	1.2	0
27	Multidimensional State Estimation With Multiple Composite Hypothesis Testing in the Presence of Interference. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1988, 110, 297-302.	0.9	0
28	A tracking approach for targets with measurements containing jamming or clutter signals. IEEE Transactions on Aerospace and Electronic Systems, 1989, 25, 427-429.	2.6	0
29	Decoding techniques in state estimation for dynamic systems with past histories. IEEE Transactions on Aerospace and Electronic Systems, 1989, 25, 765-768.	2.6	0
30	Trellis Representation and State Estimation for Dynamic Systems With a Kth Order Memory and Nonlinear Interference. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1990, 112, 517-519.	0.9	0
31	Use of interpolating functions in fast state estimation for dynamic systems with missing observations. Journal of the Franklin Institute, 1990, 327, 491-501.	1.9	0
32	State smoothing and filtering using a constant memory for dynamic systems with nonlinear interference and missing observations. Journal of the Franklin Institute, 1990, 327, 503-511.	1.9	0
33	Nonlinear state estimation with composite hypothesis testing in blocks for dynamic systems with past histories and nonlinear interferences. Signal Processing, 1990, 20, 153-161.	2.1	0
34	STATE ESTIMATION WITH STACKS AND INTERPOLATING FUNCTIONS FOR DYNAMIC SYSTEMS WITH MISSING OBSERVATIONS AND NONLINEAR INTERFERENCE*. International Journal of General Systems, 1990, 18, 37-48.	1.2	0
35	State smoothing and filtering with stack sequential schemes for non-linear dynamic systems with an Nth-order memory. International Journal of Systems Science, 1990, 21, 537-545.	3.7	0
36	Use of trellis diagrams in state estimation in blocks for nonlinear discrete dynamic systems with aKth-order memory. Circuits, Systems, and Signal Processing, 1991, 10, 3-14.	1.2	0

#	ARTICLE	IF	CITATIONS
37	Non-linear state smoothing for discrete dynamic systems with past histories. International Journal of Systems Science, 1991, 22, 403-414.	3.7	0