

Sanagapallea Koteswara rao

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104
papers

672
citations

14
h-index

23
g-index

165
ext. papers

920
ext. citations

2.2
avg, IF

4.31
L-index

#	Paper	IF	Citations
104	. <i>Proceedings of the IEEE</i> , 1988 , 76, 259-269	14.3	106
103	Orthogonal digital filters for VLSI implementation. <i>IEEE Transactions on Circuits and Systems</i> , 1984 , 31, 933-945		83
102	Array architectures for iterative algorithms. <i>Proceedings of the IEEE</i> , 1987 , 75, 1304-1321	14.3	39
101	Stability of micropolar fluid motions. <i>International Journal of Engineering Science</i> , 1970 , 8, 753-762	5.7	30
100	Modified gain extended Kalman filter with application to bearings-only passive manoeuvring target tracking. <i>IET Radar, Sonar & Navigation</i> , 2005 , 152, 239		28
99	Pseudo-linear estimator for bearings-only passive target tracking. <i>IET Radar, Sonar & Navigation</i> , 2001 , 148, 16		24
98	Slow steady rotation of a sphere in a micro-polar fluid. <i>International Journal of Engineering Science</i> , 1969 , 7, 905-916	5.7	20
97	The slow stationary flow of a micropolar liquid past a sphere. <i>Journal of Engineering Mathematics</i> , 1970 , 4, 209-217	1.2	20
96	Unscented Kalman Filter with Application to Bearings- Only Target Tracking. <i>IETE Journal of Research</i> , 2009 , 55, 63	0.9	18
95	VLSI arrays for digital signal processing:Part I-A model identification approach to digital filter realizations. <i>IEEE Transactions on Circuits and Systems</i> , 1985 , 32, 1105-1118		18
94	Integrated Unscented Kalman filter for underwater passive target tracking with towed array measurements. <i>Optik</i> , 2016 , 127, 2840-2847	2.5	16
93	Data fusion for underwater target tracking. <i>IET Radar, Sonar and Navigation</i> , 2010 , 4, 576	1.4	15
92	2014 ,		14
91	The slow stationary flow of incompressible micropolar fluid past a spheroid. <i>International Journal of Engineering Science</i> , 1981 , 19, 189-220	5.7	14
90	Algorithm for detection of manoeuvring targets in bearings-only passive target tracking. <i>IET Radar, Sonar & Navigation</i> , 1999 , 146, 141		12
89	The oscillations of a sphere in a micropolar fluid. <i>International Journal of Engineering Science</i> , 1971 , 9, 651-672	5.7	11
88	Existence of periodic solutions of the equations of incompressible micropolar fluid flow. <i>International Journal of Engineering Science</i> , 1971 , 9, 1143-1150	5.7	9

87	Modified Polar Extended Kalman Filter (MP-EKF) for Bearings - Only Target Tracking. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	8
86	Doppler-bearing Passive Target Tracking Using a Parameterized Unscented Kalman Filter. <i>IETE Journal of Research</i> , 2010 , 56, 69	0.9	8
85	Supervised Classification of Breast Cancer Malignancy Using Integrated Modified Marker Controlled Watershed Approach 2017 ,		7
84	Stability of microstretch fluid motions. <i>International Journal of Engineering Science</i> , 1979 , 17, 465-473	5.7	7
83	Implementation Of underwater target tracking techniques for Gaussian and non-Gaussian environments. <i>Computers and Electrical Engineering</i> , 2020 , 87, 106783	4.3	7
82	Singular control of linear-discrete systems. <i>IEEE Transactions on Automatic Control</i> , 1971 , 16, 401-410	5.9	6
81	A novel stochastic estimator using pre-processing technique for long range target tracking in heavy noise environment. <i>Optik</i> , 2016 , 127, 4520-4530	2.5	6
80	Bearings-Only Tracking: Observer Maneuver Recommendation. <i>IETE Journal of Research</i> , 2021 , 67, 193-204		6
79	Bearings-only Passive Target Tracking: Range Uncertainty Ellipse Zone. <i>IETE Journal of Research</i> , 2020 , 1-11	0.9	5
78	Unscented Kalman Filter With Application To Bearings-Only Passive Manoeuvring Target Tracking 2008 ,		5
77	The rectilinear oscillations of an elliptic cylinder in incompressible micropolar fluid. <i>International Journal of Engineering Science</i> , 1987 , 25, 531-548	5.7	5
76	Variational algorithm for the stability of the flow of micropolar fluids with stretch. <i>International Journal of Engineering Science</i> , 1980 , 18, 1411-1419	5.7	5
75	Slow steady rotation of a spheroid in an incompressible micropolar fluid. <i>International Journal of Engineering Science</i> , 1981 , 19, 655-687	5.7	5
74	The rectilinear oscillations of a spheroid in a micropolar fluid. <i>International Journal of Engineering Science</i> , 1981 , 19, 161-188	5.7	5
73	Circular cylinder oscillating about a mean position in incompressible micropolar fluid. <i>International Journal of Engineering Science</i> , 1972 , 10, 185-191	5.7	5
72	Estimate-Merge-Technique-based algorithms to track an underwater moving target using towed array bearing-only measurements. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2017 , 42, 1617-1628 ⁴		4
71	Underwater Target Tracking using Unscented Kalman Filter. <i>Indian Journal of Science and Technology</i> , 2015 , 8,	1	4
70	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 1361-1367	3.7	4

69	Classification of forbidden transitions in X-ray spectra. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1969 , 2, 134-136		4
68	Kinetic energy of incompressible microstretch fluid in a domain bounded by rigid walls. <i>International Journal of Engineering Science</i> , 1971 , 9, 1151-1156	5.7	4
67	Extended Kalman Filter for Bearings-Only Tracking. <i>International Journal of Engineering and Advanced Technology</i> , 2019 , 8, 637-640	1.6	4
66	Underwater surveillance in non-Gaussian noisy environment. <i>Measurement and Control</i> , 2020 , 53, 250-261.5		3
65	Combination of Pseudo Linear Estimator and modified gain bearings-only extended Kalman filter for passive target tracking in abnormal conditions 2013 ,		3
64	Comparitive study on wind forecasting models for day ahead power markets 2017 ,		3
63	Optimizing deployment of multiple decoys to enhance ship survivability 2008 ,		3
62	Application Of Statistical Estimators For Underwater Target Tracking		3
61	Maximum Likelihood Estimator for Bearings-only Passive Target Tracking in Electronic Surveillance Measure and Electronic Warfare Systems. <i>Defence Science Journal</i> , 2010 , 60, 197-203	1.4	3
60	Contrast Enhanced Low-light Visible and Infrared Image Fusion. <i>Defence Science Journal</i> , 2016 , 66, 266	1.4	3
59	Recursive Multistage Estimator for Bearings only Passive Target Tracking in ESM EW Systems. <i>Indian Journal of Science and Technology</i> , 2015 , 8,	1	3
58	Distinguishing Normal and Abnormal ECG Signal. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	3
57	A novel estimation algorithm for torpedo tracking in undersea environment. <i>Journal of Central South University</i> , 2019 , 26, 673-683	2.1	2
56	Speech bandwidth extension using transform-domain data hiding. <i>International Journal of Speech Technology</i> , 2019 , 22, 305-312	1.3	2
55	Generation and analysis of tactics for anti-torpedo defense system 2013 ,		2
54	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1997 , 33, 273-274	3.7	2
53	Rotary oscillations of a spheroid in an incompressible micropolar fluid. <i>International Journal of Engineering Science</i> , 1983 , 21, 973-987	5.7	2
52	Unscented Kalman Filter with Application to Bearings-only Passive Target Tracking. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	2

51	Fusion of Angle Measurements from Hull Mounted and Towed Array Sensors. <i>Information (Switzerland)</i> , 2020 , 11, 432	2.6	2
50	Comparison of MGBEKF and UKF Algorithms for Bearings-Only Tracking. <i>International Journal of Emerging Trends in Engineering Research</i> , 2019 , 7, 44-47	1.7	2
49	Acceptance Criteria of Bearings-only Passive Target Tracking Solution. <i>IETE Journal of Research</i> ,1-12	0.9	2
48	Application and Comparison of Bayesian Framework Algorithms for Underwater State Estimation 2019 ,		2
47	TOA-based source localization using ML estimation. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 742	0.8	2
46	Automated Computer Aided Diagnosis Using Altered Multi-Phase Level Sets in Application to Categorize the Breast Cancer Biopsy Images. <i>IETE Journal of Research</i> ,1-15	0.9	2
45	Instantaneous Time Smoothing in GPS Receivers Using Kalman Filter. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 289-296	0.4	1
44	Passive Object Tracking Using MGEKF Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 277-287	0.4	1
43	Medical image watermarking with ANN in wavelet domain 2015 ,		1
42	IMM - Unscented Kalman Filter based tracking of maneuvering targets using active sonar measurements 2011 ,		1
41	Comment: Advances in aircraft-height estimation using distance-measuring equipment. <i>IET Radar, Sonar & Navigation</i> , 1997 , 144, 235		1
40	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 677-679	3.7	1
39	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 1013	3.7	1
38	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 981-982	3.7	1
37	Modified gain extended Kalman filter with application to angles only underwater passive target tracking		1
36	Existence of periodic solutions of the equations of incompressible microstretch fluid flow. <i>International Journal of Engineering Science</i> , 1979 , 17, 955-963	5.7	1
35	Design of a Robust Estimator for Submarine Tracking in Complex Environments. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 273-282	0.2	1
34	Seismic Signal Processing by Using Root-MUSIC Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 127-136	0.2	1

33	Frequency Estimation Using Minimum Norm Algorithm on Seismic Data. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 153-163	0.2	1
32	Processing of Seismic Signal Using Minimum Variance Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 165-176	0.2	1
31	Observation of ionospheric disturbances for earthquakes (M>4) occurred during June 2013 to July 2014 in Indonesia using wavelets 2016 ,		1
30	Pervasive underwater passive target tracking for the computation of standard deviation solution in a 3D environment. <i>International Journal of Intelligent Computing and Cybernetics</i> , 2021 , ahead-of-print,	2.2	1
29	Unscented Particle Filter Approach for Underwater Target Tracking. <i>International Journal of E-Collaboration</i> , 2021 , 17, 29-40	1.3	1
28	Speech Bandwidth Extension Using DWT-FFT-Based Data Hiding. <i>Radioengineering</i> , 2020 , 29, 174-181	0.8	0
27	Application of Least Squares Algorithm for Precise GPS Receiver Positioning. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 297-303	0.4	0
26	A two-stage processing approach for contrast intensified image fusion. <i>World Journal of Engineering</i> , 2020 , 17, 68-77	1.8	0
25	Shape and Texture Features Extraction Using Segmented Histopathological Images. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2021 , 907-913	0.4	0
24	Application of AUV to Track a Maneuvering Target. <i>Lecture Notes in Networks and Systems</i> , 2021 , 93-101	0.5	0
23	Tracking of pendulum by particle smoother. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 142	0.8	0
22	Uncertainty Zone Estimation of Angles only Tracking in Undersea Environment. <i>Optik</i> , 2022 , 169144	2.5	0
21	Application of Parametric Methods for Earthquake Precursors Using GPS TEC. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 305-314	0.4	
20	Identification of Coseismic Signatures by Comparing Welch and Burg Methods Using GPS TEC. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 335-344	0.4	
19	Application of Total Least Squares Version of ESPRIT Algorithm for Seismic Signal Processing. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 237-247	0.4	
18	A Couple of Novel Stochastic Estimators Designed and Tested to Promote the Usage of Towed Arrays on the Regular Basis for Passive Tracking. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 645-656	0.4	
17	Performance Evaluation of Noise Subspace Methods of Frequency Estimation Techniques. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 299-308		
16	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1997 , 33, 329	3.7	

15	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 982-983	3.7
14	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 1014-1016	3.7
13	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 979-980	3.7
12	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 1027-1032	3.7
11	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 701-704	3.7
10	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 679-680	3.7
9	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 980-981	3.7
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7	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 686-687	3.7
6	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 687-689	3.7
5	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1999 , 35, 370-371	3.7
4	Design of minimal-degree compensators with assignable poles or structure. <i>Automatica</i> , 1987 , 23, 241-245	3.7
3	Uniqueness of compressible micropolar fluid flows. <i>International Journal of Engineering Science</i> , 1983 , 21, 143-153	5.7
2	Dual and joint estimation for speech enhancement. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 5	0.8
1	Evaluation of DB-IEKF Algorithm Using Optimization Methods for Underwater Passive Target Tracking. <i>Mobile Networks and Applications</i> ,1	2.9