

Sanagapallea Koteswara rao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Uncertainty Zone Estimation of Angles only Tracking in Undersea Environment. <i>Optik</i> , 2022 , 169144	2.5	0
103	Bearings-Only Tracking: Observer Maneuver Recommendation. <i>IETE Journal of Research</i> , 2021 , 67, 193-204	0.9	6
102	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
101	Application of AUV to Track a Maneuvering Target. <i>Lecture Notes in Networks and Systems</i> , 2021 , 93-101	0.5	0
100	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
99	Unscented Particle Filter Approach for Underwater Target Tracking. <i>International Journal of E-Collaboration</i> , 2021 , 17, 29-40	1.3	1
98	Bearings-only Passive Target Tracking: Range Uncertainty Ellipse Zone. <i>IETE Journal of Research</i> , 2020 , 1-11	0.9	5
97	Underwater surveillance in non-Gaussian noisy environment. <i>Measurement and Control</i> , 2020 , 53, 250-261	1.5	3
96	Speech Bandwidth Extension Using DWT-FFT-Based Data Hiding. <i>Radioengineering</i> , 2020 , 29, 174-181	0.8	0
95	Fusion of Angle Measurements from Hull Mounted and Towed Array Sensors. <i>Information (Switzerland)</i> , 2020 , 11, 432	2.6	2
94	Implementation Of underwater target tracking techniques for Gaussian and non-Gaussian environments. <i>Computers and Electrical Engineering</i> , 2020 , 87, 106783	4.3	7
93	A two-stage processing approach for contrast intensified image fusion. <i>World Journal of Engineering</i> , 2020 , 17, 68-77	1.8	0
92	A novel estimation algorithm for torpedo tracking in undersea environment. <i>Journal of Central South University</i> , 2019 , 26, 673-683	2.1	2
91	Speech bandwidth extension using transform-domain data hiding. <i>International Journal of Speech Technology</i> , 2019 , 22, 305-312	1.3	2
90	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
89	Extended Kalman Filter for Bearings-Only Tracking. <i>International Journal of Engineering and Advanced Technology</i> , 2019 , 8, 637-640	1.6	4
88	Application and Comparison of Bayesian Framework Algorithms for Underwater State Estimation 2019 ,		2

87	Application of Least Squares Algorithm for Precise GPS Receiver Positioning. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 297-303	0.4	0
86	Application of Parametric Methods for Earthquake Precursors Using GPS TEC. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 305-314	0.4	
85	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	
84	Instantaneous Time Smoothing in GPS Receivers Using Kalman Filter. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 289-296	0.4	1
83	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	
82	Passive Object Tracking Using MGEKF Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 277-287	0.4	1
81	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	
80	Design of a Robust Estimator for Submarine Tracking in Complex Environments. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 273-282	0.2	1
79	Seismic Signal Processing by Using Root-MUSIC Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 127-136	0.2	1
78	Frequency Estimation Using Minimum Norm Algorithm on Seismic Data. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 153-163	0.2	1
77	Processing of Seismic Signal Using Minimum Variance Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 165-176	0.2	1
76	TOA-based source localization using ML estimation. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 742	0.8	2
75	Tracking of pendulum by particle smoother. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 142	0.8	0
74	Dual and joint estimation for speech enhancement. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 5	0.8	
73	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		
72	Supervised Classification of Breast Cancer Malignancy Using Integrated Modified Marker Controlled Watershed Approach 2017 ,		7
71	Comparitive study on wind forecasting models for day ahead power markets 2017 ,		3
70	Modified Polar Extended Kalman Filter (MP-EKF) for Bearings - Only Target Tracking. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	8

69	Integrated Unscented Kalman filter for underwater passive target tracking with towed array measurements. <i>Optik</i> , 2016 , 127, 2840-2847	2.5	16
68	Contrast Enhanced Low-light Visible and Infrared Image Fusion. <i>Defence Science Journal</i> , 2016 , 66, 266	1.4	3
67	Unscented Kalman Filter with Application to Bearings-only Passive Target Tracking. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	2
66	Distinguishing Normal and Abnormal ECG Signal. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	3
65	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
64	Observation of ionospheric disturbances for earthquakes (M>4) occurred during June 2013 to July 2014 in Indonesia using wavelets 2016 ,		1
63	Underwater Target Tracking using Unscented Kalman Filter. <i>Indian Journal of Science and Technology</i> , 2015 , 8,	1	4
62	Medical image watermarking with ANN in wavelet domain 2015 ,		1
61	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
60	2014 ,		14
59	Combination of Pseudo Linear Estimator and modified gain bearings-only extended Kalman filter for passive target tracking in abnormal conditions 2013 ,		3
58	Generation and analysis of tactics for anti-torpedo defense system 2013 ,		2
57	Performance Evaluation of Noise Subspace Methods of Frequency Estimation Techniques. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 299-308		
56	IMM - Unscented Kalman Filter based tracking of maneuvering targets using active sonar measurements 2011 ,		1
55	Doppler-bearing Passive Target Tracking Using a Parameterized Unscented Kalman Filter. <i>IETE Journal of Research</i> , 2010 , 56, 69	0.9	8
54	Data fusion for underwater target tracking. <i>IET Radar, Sonar and Navigation</i> , 2010 , 4, 576	1.4	15
53	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
52	Unscented Kalman Filter with Application to Bearings- Only Target Tracking. <i>IETE Journal of Research</i> , 2009 , 55, 63	0.9	18

51	Optimizing deployment of multiple decoys to enhance ship survivability 2008 ,	3
50	Unscented Kalman Filter With Application To Bearings-Only Passive Manoeuvring Target Tracking 2008 ,	5
49	Modified gain extended Kalman filter with application to bearings-only passive manoeuvring target tracking. <i>IET Radar, Sonar & Navigation</i> , 2005 , 152, 239	28
48	Pseudo-linear estimator for bearings-only passive target tracking. <i>IET Radar, Sonar & Navigation</i> , 2001 , 148, 16	24
47	Algorithm for detection of manoeuvring targets in bearings-only passive target tracking. <i>IET Radar, Sonar & Navigation</i> , 1999 , 146, 141	12
46	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1999 , 35, 370-371	3-7
45	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 982-983	3-7
44	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 1014-1016	3-7
43	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 677-679	3-7 1
42	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 979-980	3-7
41	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 1027-1032	3-7
40	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 701-704	3-7
39	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 679-680	3-7
38	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 1013	3-7 1
37	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 980-981	3-7
36	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 700-701	3-7
35	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 686-687	3-7
34	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 1361-1367	3-7 4

33	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 981-982	3-7	1
32	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1998 , 34, 687-689	3-7	
31	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1997 , 33, 329	3-7	
30	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1997 , 33, 273-274	3-7	2
29	Comment: Advances in aircraft-height estimation using distance-measuring equipment. <i>IET Radar, Sonar & Navigation</i> , 1997 , 144, 235		1
28	. <i>Proceedings of the IEEE</i> , 1988 , 76, 259-269	14.3	106
27	Array architectures for iterative algorithms. <i>Proceedings of the IEEE</i> , 1987 , 75, 1304-1321	14.3	39
26	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
25	Design of minimal-degree compensators with assignable poles or structure. <i>Automatica</i> , 1987 , 23, 241-245		
24	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
23	Orthogonal digital filters for VLSI implementation. <i>IEEE Transactions on Circuits and Systems</i> , 1984 , 31, 933-945		83
22	Uniqueness of compressible micropolar fluid flows. <i>International Journal of Engineering Science</i> , 1983 , 21, 143-153	5-7	
21	Rotary oscillations of a spheroid in an incompressible micropolar fluid. <i>International Journal of Engineering Science</i> , 1983 , 21, 973-987	5-7	2
20	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
19	The rectilinear oscillations of a spheroid in a micropolar fluid. <i>International Journal of Engineering Science</i> , 1981 , 19, 161-188	5-7	5
18	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
17	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
16	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

15	Stability of microstretch fluid motions. <i>International Journal of Engineering Science</i> , 1979 , 17, 465-473	5-7	7
14	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
13	The oscillations of a sphere in a micropolar fluid. <i>International Journal of Engineering Science</i> , 1971 , 9, 651-672	5-7	11
12	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
11	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
10	Singular control of linear-discrete systems. <i>IEEE Transactions on Automatic Control</i> , 1971 , 16, 401-410	5-9	6
9	Stability of micropolar fluid motions. <i>International Journal of Engineering Science</i> , 1970 , 8, 753-762	5-7	30
8	The slow stationary flow of a micropolar liquid past a sphere. <i>Journal of Engineering Mathematics</i> , 1970 , 4, 209-217	1-2	20
7	Classification of forbidden transitions in X-ray spectra. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1969 , 2, 134-136		4
6	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
5	Application Of Statistical Estimators For Underwater Target Tracking		3
4	Modified gain extended Kalman filter with application to angles only underwater passive target tracking		1
3	Acceptance Criteria of Bearings-only Passive Target Tracking Solution. <i>IETE Journal of Research</i> , 1-12	0-9	2
2	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
1	Evaluation of DB-IEKF Algorithm Using Optimization Methods for Underwater Passive Target Tracking. <i>Mobile Networks and Applications</i> , 1	2-9	