

Aboelmagd M Noureldin

List of Publications by Year in descending order

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197
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199
all docs

199
docs citations

199
times ranked

3146
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Enhancement of MEMS-Based INS/GPS Integration for Low-Cost Navigation Applications. IEEE Transactions on Vehicular Technology, 2009, 58, 1077-1096.	6.3	297
2	Fundamentals of Inertial Navigation, Satellite-based Positioning and their Integration. , 2013, , .		250
3	GPS/INS integration utilizing dynamic neural networks for vehicular navigation. Information Fusion, 2011, 12, 48-57.	19.1	183
4	A neuro-fuzzy model for inflow forecasting of the Nile river at Aswan high dam. Water Resources Management, 2007, 21, 533-556.	3.9	166
5	Modeling the Stochastic Drift of a MEMS-Based Gyroscope in Gyro/Odometer/GPS Integrated Navigation. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 856-872.	8.0	134
6	INS/GPS/LiDAR Integrated Navigation System for Urban and Indoor Environments Using Hybrid Scan Matching Algorithm. Sensors, 2015, 15, 23286-23302.	3.8	129
7	Low-Cost Three-Dimensional Navigation Solution for RISS/GPS Integration Using Mixture Particle Filter. IEEE Transactions on Vehicular Technology, 2010, 59, 599-615.	6.3	124
8	Dynamic Online-Calibrated Radio Maps for Indoor Positioning in Wireless Local Area Networks. IEEE Transactions on Mobile Computing, 2013, 12, 1774-1787.	5.8	118
9	Bridging GPS outages using neural network estimates of INS position and velocity errors. Measurement Science and Technology, 2006, 17, 2783-2798.	2.6	87
10	Towards a Practical Crowdsensing System for Road Surface Conditions Monitoring. IEEE Internet of Things Journal, 2018, 5, 4672-4685.	8.7	86
11	Integrated Indoor Navigation System for Ground Vehicles With Automatic 3-D Alignment and Position Initialization. IEEE Transactions on Vehicular Technology, 2015, 64, 1279-1292.	6.3	78
12	A neuro-wavelet method for multi-sensor system integration for vehicular navigation. Measurement Science and Technology, 2004, 15, 404-412.	2.6	76
13	Adaptive Fuzzy Prediction of Low-Cost Inertial-Based Positioning Errors. IEEE Transactions on Fuzzy Systems, 2007, 15, 519-529.	9.8	75
14	Enhanced MEMS-IMU/odometer/GPS integration using mixture particle filter. GPS Solutions, 2011, 15, 239-252.	4.3	75
15	Sensor Integration for Satellite-Based Vehicular Navigation Using Neural Networks. IEEE Transactions on Neural Networks, 2007, 18, 589-594.	4.2	72
16	Optimizing neuro-fuzzy modules for data fusion of vehicular navigation systems using temporal cross-validation. Engineering Applications of Artificial Intelligence, 2007, 20, 49-61.	8.1	63
17	Dynamic versus static neural network model for rainfall forecasting at Klang River Basin, Malaysia. Hydrology and Earth System Sciences, 2012, 16, 1151-1169.	4.9	63
18	Enhancing Inflow Forecasting Model at Aswan High Dam Utilizing Radial Basis Neural Network and Upstream Monitoring Stations Measurements. Water Resources Management, 2009, 23, 2289-2315.	3.9	61

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19	Motion Mode Recognition for Indoor Pedestrian Navigation Using Portable Devices. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 208-221.	4.7	60
20	Modeling Inertial Sensor Errors Using Autoregressive (AR) Models. Navigation, Journal of the Institute of Navigation, 2004, 51, 259-268.	2.8	59
21	A Survey on Approaches of Motion Mode Recognition Using Sensors. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1662-1686.	8.0	54
22	Multisensor integration using neuron computing for land-vehicle navigation. GPS Solutions, 2003, 6, 209-218.	4.3	53
23	An integrated reduced inertial sensor system — RISS / GPS for land vehicle. , 2008, , .		47
24	Joint Chance-Constrained Predictive Resource Allocation for Energy-Efficient Video Streaming. IEEE Journal on Selected Areas in Communications, 2016, 34, 1389-1404.	14.0	47
25	Measurement-while-drilling surveying of highly inclined and horizontal well sections utilizing single-axis gyro sensing system. Measurement Science and Technology, 2004, 15, 2426-2434.	2.6	42
26	Constructive neural-networks-based MEMS/GPS integration scheme. IEEE Transactions on Aerospace and Electronic Systems, 2008, 44, 582-594.	4.7	42
27	Novel EKF-Based Vision/Inertial System Integration for Improved Navigation. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 116-125.	4.7	41
28	A new weight updating method for INS/GPS integration architectures based on neural networks. Measurement Science and Technology, 2004, 15, 2053-2061.	2.6	38
29	Vehicle navigator using a mixture particle filter for inertial sensors/odometer/map data/GPS integration. IEEE Transactions on Consumer Electronics, 2012, 58, 544-552.	3.6	37
30	Generalized versus non-generalized neural network model for multi-lead inflow forecasting at Aswan High Dam. Hydrology and Earth System Sciences, 2011, 15, 841-858.	4.9	36
31	Magnetometer Calibration for Portable Navigation Devices in Vehicles Using a Fast and Autonomous Technique. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2347-2352.	8.0	36
32	GNSS Error Sources. , 0, , .		36
33	Research on the improved method for dual foot-mounted Inertial/Magnetometer pedestrian positioning based on adaptive inequality constraints Kalman Filter algorithm. Measurement: Journal of the International Measurement Confederation, 2019, 135, 189-198.	5.0	35
34	Low cost two dimension navigation using an augmented Kalman filter/Fast Orthogonal Search module for the integration of reduced inertial sensor system and Global Positioning System. Transportation Research Part C: Emerging Technologies, 2011, 19, 1111-1132.	7.6	34
35	Integrated cooperative localization for Vehicular networks with partial GPS access in Urban Canyons. Vehicular Communications, 2017, 9, 242-253.	4.0	31
36	Augmented Kalman Filter and Map Matching for 3D RISS/GPS Integration for Land Vehicles. International Journal of Navigation and Observation, 2012, 2012, 1-16.	0.8	30

#	ARTICLE	IF	CITATIONS
37	VANETs Positioning in Urban Environments: A Novel Cooperative Approach. , 2015, , .		30
38	Three-Dimensional Magnetometer Calibration With Small Space Coverage for Pedestrians. IEEE Sensors Journal, 2015, 15, 598-609.	4.7	30
39	Improving the RISS/GNSS Land-Vehicles Integrated Navigation System Using Magnetic Azimuth Updates. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1250-1263.	8.0	30
40	Neural Network Model for Nile River Inflow Forecasting Based on Correlation Analysis of Historical Inflow Data. Journal of Applied Sciences, 2008, 8, 4487-4499.	0.3	30
41	A LiDAR-Aided Indoor Navigation System for UGVs. Journal of Navigation, 2015, 68, 253-273.	1.7	29
42	Low-Cost Real-Time PPP/INS Integration for Automated Land Vehicles. Sensors, 2019, 19, 4896.	3.8	29
43	Neural network modeling of time-dependent creep deformations in masonry structures. Neural Computing and Applications, 2010, 19, 583-594.	5.6	28
44	Adaptive Fast Orthogonal Search (FOS) algorithm for forecasting streamflow. Journal of Hydrology, 2020, 586, 124896.	5.4	28
45	Pseudorange Error Correction in Partial GPS Outages for a Nonlinear Tightly Coupled Integrated System. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1510-1525.	8.0	26
46	Experimental Results on an Integrated GPS and Multisensor System for Land Vehicle Positioning. International Journal of Navigation and Observation, 2009, 2009, 1-18.	0.8	25
47	Real-time implementation of mixture particle filter for 3D RISS/GPS integrated navigation solution. Electronics Letters, 2010, 46, 1083.	1.0	25
48	Error modeling and characterization of environmental effects for low cost inertial MEMS units. , 2010, , .		24
49	Clustered Mixture Particle Filter for Underwater Multitarget Tracking in Multistatic Active Sonobuoy Systems. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 547-560.	2.9	24
50	A Novel Multi-Level Integrated Navigation System for Challenging GNSS Environments. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4838-4852.	8.0	24
51	Adaptive neuro-fuzzy module for inertial navigation system/global positioning system integration utilising position and velocity updates with real-time cross-validation. IET Radar, Sonar and Navigation, 2007, 1, 388.	1.8	22
52	Enhanced mobile robot outdoor localization using INS/GPS integration. , 2009, , .		21
53	Online Motion Mode Recognition for Portable Navigation Using Low-Cost Sensors. Navigation, Journal of the Institute of Navigation, 2015, 62, 273-290.	2.8	21
54	New technique for reducing the angle random walk at the output of fiber optic gyroscopes during alignment processes of inertial navigation systems. Optical Engineering, 2001, 40, 2097.	1.0	20

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55	Robust resource allocation for predictive video streaming under channel uncertainty. , 2014, , .		20
56	Integrated Cooperative Localization for Connected Vehicles in Urban Canyons. , 2015, , .		19
57	A New High-Resolution GPS Multipath Mitigation Technique Using Fast Orthogonal Search. Journal of Navigation, 2016, 69, 794-814.	1.7	19
58	Monitoring road surface anomalies towards dynamic road mapping for future smart cities. , 2017, , .		19
59	LiDAR/RISS/GNSS Dynamic Integration for Land Vehicle Robust Positioning in Challenging GNSS Environments. Remote Sensing, 2020, 12, 2323.	4.0	19
60	FPGA-Based Real-Time Embedded System for RISS/GPS Integrated Navigation. Sensors, 2012, 12, 115-147.	3.8	18
61	Integrated Positioning for Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 397-409.	8.0	18
62	Merits and limitations of using fuzzy inference system for temporal integration of INS/GPS in vehicular navigation. Soft Computing, 2007, 11, 889-900.	3.6	17
63	Accuracy Enhancement of Inertial Sensors Utilizing High Resolution Spectral Analysis. Sensors, 2012, 12, 11638-11660.	3.8	17
64	Robust Content Delivery and Uncertainty Tracking in Predictive Wireless Networks. IEEE Transactions on Wireless Communications, 2017, 16, 2327-2339.	9.2	17
65	Enhanced MEMS SINS Aided Pipeline Surveying System by Pipeline Junction Detection in Small Diameter Pipeline. IFAC-PapersOnLine, 2017, 50, 3560-3565.	0.9	17
66	Gaussian process regression approach for bridging GPS outages in integrated navigation systems. Electronics Letters, 2011, 47, 52.	1.0	16
67	Fast orthogonal search (FOS) versus fast Fourier transform (FFT) as spectral model estimations techniques applied for structural health monitoring (SHM). Structural and Multidisciplinary Optimization, 2012, 45, 503-513.	3.5	16
68	DOA Elevation and Azimuth Angles Estimation of GPS Jamming Signals Using Fast Orthogonal Search. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3812-3821.	4.7	16
69	Implementation methodology of embedded land vehicle positioning using an integrated GPS and multi sensor system. Integrated Computer-Aided Engineering, 2010, 17, 69-83.	4.6	15
70	Unconstrained underwater multi-target tracking in passive sonar systems using two-stage PF-based technique. International Journal of Systems Science, 2014, 45, 439-455.	5.5	15
71	Research on an Improved Method for Foot-Mounted Inertial/Magnetometer Pedestrian-Positioning Based on the Adaptive Gradient Descent Algorithm. Sensors, 2018, 18, 4105.	3.8	15
72	A Novel Earthquake Warning System Based on Virtual MIMO-Wireless Sensor Networks. , 2007, , .		14

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73	An Enhanced 3D Multi-Sensor Integrated Navigation System for Land-Vehicles. Journal of Navigation, 2014, 67, 651-671.	1.7	14
74	An Enhanced Error Model for EKF-Based Tightly-Coupled Integration of GPS and Land Vehicle's Motion Sensors. Sensors, 2015, 15, 24269-24296.	3.8	14
75	Robust fine acquisition algorithm for GPS receiver with limited resources. GPS Solutions, 2016, 20, 77-88.	4.3	14
76	Enhanced GPS narrowband jamming detection using high-resolution spectral estimation. GPS Solutions, 2017, 21, 475-485.	4.3	14
77	3-D Reconstruction and Measurement System Based on Multimobile Robot Machine Vision. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	14
78	GPS Cycle Slip Detection and Correction at Measurement Level. British Journal of Applied Science & Technology, 2014, 4, 4239-4251.	0.2	14
79	Dynamic Propagation Modeling for Mobile Users' Position and Heading Estimation in Wireless Local Area Networks. IEEE Wireless Communications Letters, 2012, 1, 101-104.	5.0	13
80	A Reduced Inertial Sensor System Based on MEMS for Wellbore Continuous Surveying While Horizontal Drilling. IEEE Sensors Journal, 2018, 18, 5662-5673.	4.7	13
81	Utilizing the ACC-FMCW radar for land vehicles navigation. , 2018, , .		13
82	Mitigation of Arc Furnace Voltage Flicker Using an Innovative Scheme of Adaptive Notch Filters. IEEE Transactions on Power Delivery, 2011, 26, 1326-1336.	4.3	12
83	Tightly Coupled Low Cost 3D RISS/GPS Integration Using a Mixture Particle Filter for Vehicular Navigation. Sensors, 2011, 11, 4244-4276.	3.8	12
84	Robust Modeling of Low-Cost MEMS Sensor Errors in Mobile Devices Using Fast Orthogonal Search. Journal of Sensors, 2013, 2013, 1-8.	1.1	12
85	A Comprehensive Review of Micro-Inertial Measurement Unit Based Intelligent PIG Multi-Sensor Fusion Technologies for Small-Diameter Pipeline Surveying. Micromachines, 2020, 11, 840.	2.9	12
86	Integration of GNSS Precise Point Positioning and Reduced Inertial Sensor System for Lane-Level Car Navigation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2246-2261.	8.0	12
87	FOS-based modelling of reduced inertial sensor system errors for 2D vehicular navigation. Electronics Letters, 2010, 46, 298.	1.0	11
88	A consistent zero-configuration GPS-Like indoor positioning system based on signal strength in IEEE 802.11 networks. , 2012, , .		11
89	Performance Analysis of Code-Phase-Based Relative GPS Positioning and Its Integration With Land Vehicle's Motion Sensors. IEEE Sensors Journal, 2014, 14, 3084-3100.	4.7	11
90	Adaptive Covariance Estimation Method for LiDAR-Aided Multi-Sensor Integrated Navigation Systems. Micromachines, 2015, 6, 196-215.	2.9	11

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91	A Dyna-Q (Lambda) Approach to Flocking with Fixed-Wing UAVs in a Stochastic Environment. , 2015, , .		11
92	Adaptive cruise control radar-based positioning in GNSS challenging environment. IET Radar, Sonar and Navigation, 2019, 13, 1666-1677.	1.8	11
93	Low-cost IMU Data Denoising using Savitzky-Golay Filters. , 2019, , .		11
94	Robust Positioning for Road Information Services in Challenging Environments. IEEE Sensors Journal, 2020, 20, 3182-3195.	4.7	11
95	Leveraging FMCW-Radar for Autonomous Positioning Systems: Methodology and Application in Downtown Toronto. , 0, , .		11
96	Bayesian Filtering Based WiFi/INS Integrated Navigation Solution for GPS-Denied Environments. Navigation, Journal of the Institute of Navigation, 2011, 58, 111-125.	2.8	10
97	Particle-Filter-Based WiFi-Aided Reduced Inertial Sensors Navigation System for Indoor and GPS-Denied Environments. International Journal of Navigation and Observation, 2012, 2012, 1-12.	0.8	10
98	A WiFi-aided reduced inertial sensors-based navigation system with fast embedded implementation of particle filtering. , 2012, , .		9
99	Using portable device sensors to recognize height changing modes of motion. , 2014, , .		9
100	Chance-constrained QoS satisfaction for predictive video streaming. , 2015, , .		9
101	Fair Robust Predictive Resource Allocation for Video Streaming under Rate Uncertainties. , 2016, , .		9
102	Road Test Experiments and Statistical Analysis for Real-Time Monitoring of Road Surface Conditions. , 2017, , .		9
103	Robust Long-Term Predictive Adaptive Video Streaming Under Wireless Network Uncertainties. IEEE Transactions on Wireless Communications, 2018, 17, 1374-1388.	9.2	9
104	iDriveSense: Dynamic Route Planning Involving Roads Quality Information. , 2018, , .		9
105	Utilization of Stochastic Modeling for Green Predictive Video Delivery Under Network Uncertainties. IEEE Transactions on Green Communications and Networking, 2018, 2, 556-569.	5.5	9
106	A Review on Small-Diameter Pipeline Inspection Gauge Localization Techniques: Problems, Methods and Challenges. , 2019, , .		9
107	Comparative Analysis of Magnetic-Based RISS using Different MEMS-Based Sensors. , 0, , .		9
108	MEMS Gyroscope-While-Drilling Environment Qualification Testing. , 2010, , .		8

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109	Nonlinear filtering for tightly coupled RISS/GPS integration. , 2010, , .		8
110	Robust motion mode recognition for portable navigation independent on device usage. , 2014, , .		8
111	A Clustering-Driven Approach to Predict the Traffic Load of Mobile Networks for the Analysis of Base Stations Deployment. Journal of Sensor and Actuator Networks, 2020, 9, 53.	3.9	8
112	Implementation of Parallel Cascade Identification at Various Phases for Integrated Navigation System. Future Internet, 2021, 13, 191.	3.8	8
113	Testing a New Integrated Solution for MEMS Inertial Measurement Unit Used for Measurement-While-Drilling in Rotary Steerable System. Sensor Letters, 2012, 10, 719-725.	0.4	8
114	Integral Terminal Synergetic-Based Direct Power Control for Distributed Generation Systems. IEEE Transactions on Smart Grid, 2022, 13, 1287-1297.	9.0	8
115	Mixture Particle Filter for Low Cost INS/Odometer/GPS Integration in Land Vehicles. , 2009, , .		7
116	Fast orthogonal search approach for distance protection of transmission lines. Electric Power Systems Research, 2010, 80, 215-221.	3.6	7
117	ENHANCING KALMAN FILTERINGâ€BASED TIGHTLY COUPLED NAVIGATION SOLUTION THROUGH REMEDIAL ESTIMATES FOR PSEUDORANGE MEASUREMENTS USING PARALLEL CASCADE IDENTIFICATION. Instrumentation Science and Technology, 2012, 40, 530-566.	1.8	7
118	A novel systems integration approach for multi-sensor integrated navigation systems. , 2014, , .		7
119	Utilization of Wavelet Packet Sensor De-noising for Accurate Positioning in Intelligent Road Services. , 2018, , .		7
120	GPS Swept Anti-Jamming Technique Based on Fast Orthogonal Search (FOS). Sensors, 2021, 21, 3706.	3.8	7
121	Angle of arrival estimation based on warped delay-and-sum (WDAS) beamforming technique. , 2011, , .		6
122	Energy-efficient predictive video streaming under demand uncertainties. , 2017, , .		6
123	Improving Multisensor Positioning of Land Vehicles with Integrated Visual Odometry for Next-Generation Self-Driving Cars. Journal of Advanced Transportation, 2018, 2018, 1-12.	1.7	6
124	Direction of Arrival Estimation of GPS Narrowband Jammers Using High-Resolution Techniques. Sensors, 2019, 19, 5532.	3.8	6
125	Enhanced Land Vehicles Navigation by Fusing Automotive Radar and Speedometer Data. , 0, , .		6
126	Power-Quality Improvement Using Wiener Filters Based On a Modular Compensating Strategy. IEEE Transactions on Power Delivery, 2008, 23, 841-849.	4.3	5

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127	Fast features reduction of radio maps for real-time fingerprint-based wireless positioning systems. Electronics Letters, 2011, 47, 1151.	1.0	5
128	Recursive implementation of MUSIC algorithm to minimize power system disturbances. International Journal of Electrical Power and Energy Systems, 2014, 56, 9-18.	5.5	5
129	A dual-rate multi-filter algorithm for LiDAR-aided indoor navigation systems. , 2014, , .		5
130	Incorporating feedback predictions for optimized UAV attack mission planning. , 2015, , .		5
131	Pipeline junction detection from accelerometer measurement using fast orthogonal search. , 2016, , .		5
132	Analysis of rolling motion effect on SINS error modeling in PIC. , 2016, , .		5
133	Evaluation of 5G Cell Densification for Autonomous Vehicles Positioning in Urban Settings. , 2021, , .		5
134	Continuous Wellbore Surveying While Drilling Utilizing MEMS Gyroscopes Based on Kalman Filtering. , 2010, , .		4
135	Nonlinear Modeling of Azimuth Error for 2D Car Navigation Using Parallel Cascade Identification Augmented with Kalman Filtering. International Journal of Navigation and Observation, 2010, 2010, 1-13.	0.8	4
136	Augmenting Kalman Filtering with Parallel Cascade Identification for Improved 2D Land Vehicle Navigation. , 2010, , .		4
137	AUGMENTED FAST ORTHOGONAL SEARCH/KALMAN FILTERING (FOS/KF) POSITIONING AND ORIENTATION SOLUTION USING MEMS-BASED INERTIAL NAVIGATION SYSTEM (INS) IN DRILLING APPLICATIONS. Instrumentation Science and Technology, 2012, 40, 275-289.	1.8	4
138	Cooperative Unmanned Aerial Vehicles formation via decentralized LBMPC. , 2015, , .		4
139	RSS-based indoor positioning utilizing Firefly algorithm in Wireless Sensor networks. , 2016, , .		4
140	Distributed vehicle selection for non-range based cooperative positioning in urban environments. , 2016, , .		4
141	Using multiple portable/wearable devices for enhanced misalignment estimation in portable navigation. GPS Solutions, 2017, 21, 393-404.	4.3	4
142	Modeling received signal strength for indoors utilizing hybrid neuro-fuzzy network. , 2017, , .		4
143	Optimal and Robust QoS-Aware Predictive Adaptive Video Streaming for Future Wireless Networks. , 2017, , .		4
144	Adaptive square-root CKF based SLAM algorithm for indoor UGVs. , 2017, , .		4

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145	Integrated Motor Optimization and Route Planning for Electric Vehicle using Embedded GPU System. , 2019, , .		4
146	Drilling trajectory survey technology based on 3D RISS with a single fiber optic gyroscope. Optik, 2020, 203, 163971.	2.9	4
147	Integrating Vision Based Navigation with INS and GPS for Land Vehicle Navigation in Challenging GNSS Environments. , 0, , .		4
148	Leveraging Vision-Based Structure-from-Motion for Robust Integrated Land Vehicle Positioning Systems in Challenging GNSS Environments. , 0, , .		4
149	Direction of arrival estimation using virtual array search. IET Radar, Sonar and Navigation, 2011, 5, 389.	1.8	3
150	Enhancement of the current quality using efficient extraction and mitigation processes. International Journal of Electrical Power and Energy Systems, 2011, 33, 1118-1124.	5.5	3
151	DOA estimation based on fourth order cumulant beamforming for nonuniform linear array of DIFAR sonobuoys. Computers and Electrical Engineering, 2012, 38, 986-993.	4.8	3
152	Hybrid GM(1,1)-NARnet one hour ahead wind power prediction. , 2013, , .		3
153	A Novel Machine Vision Approach Applied for Autonomous Robotics Navigation. , 2015, , .		3
154	DOA Estimation Using Second-Order Differential of Invariant Noise MUSIC (SODIN-MUSIC). Circuits, Systems, and Signal Processing, 2017, 36, 703-720.	2.0	3
155	Examining the benefits of multi-GNSS constellation for the positioning of high dynamics air platforms under jamming conditions. , 2018, , .		3
156	Bi-orthonormal based de-noising for improving wellbore continuous MWD surveying utilizing MEMS inertial sensors. , 2018, , .		3
157	Micro-Inertial-Aided High-Precision Positioning Method for Small-Diameter PIC Navigation. , 2019, , .		3
158	Investigating the Benefits of Vector-Based GNSS Receivers for Autonomous Vehicles under Challenging Navigation Environments. Signals, 2020, 1, 121-137.	1.9	3
159	An Efficient Ultra-Tight GPS/RISS Integrated System for Challenging Navigation Environments. Applied Sciences (Switzerland), 2020, 10, 3613.	2.5	3
160	Application of System Identification Techniques for Integrated Navigation. , 2021, , .		3
161	Performance evaluation of neural network based integration of vision and motion sensors for vehicular navigation. , 2019, , .		3
162	Narrowband Jamming Mitigation Based on Multi-Resolution Analysis for Land Vehicles. IEEE Transactions on Intelligent Vehicles, 2023, 8, 3083-3095.	12.7	3

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163	An Augmented Wavelet - Neuro-Fuzzy Module for Enhancing MEMS based Navigation Systems. , 2007, , .		2
164	A design methodology for the implementation of embedded vehicle navigation systems. , 2009, , .		2
165	Quantitative comparison between Kalman filter and Particle filter for low cost INS/GPS integration. , 2009, , .		2
166	2D Mobile multi-sensor navigation system realization using FPGA-based embedded processors. , 2011, , .		2
167	Routing mobile data couriers in smart-cities. , 2016, , .		2
168	A Framework for Adaptive Resolution Geo-Referencing in Intelligent Vehicular Services. , 2019, , .		2
169	Visual Structure from Motion for UAV Indoor Localization. , 0, , .		2
170	Performance Analysis of MEMS-based RISS/PPP Integrated Positioning for Land Vehicles. , 2020, , .		2
171	Integration of Electronic Scanning Radars with Inertial Technology for Seamless Positioning in challenging GNSS Environments. , 2020, , .		2
172	Vehicular Positioning Using mmWave TDOA with a Dynamically Tuned Covariance Matrix. , 2021, , .		2
173	Implementation of the Wiener Filter for Extracting Power Quality Disturbances. , 2007, , .		1
174	Performance evaluation of a non-linear error model for underwater range computation utilizing GPS sonobuoys. Neural Computing and Applications, 2010, 19, 1057-1067.	5.6	1
175	Three-Dimensional Reduced Inertial Sensor System/GPS Integration for Land-Based Vehicles. , 2013, , 273-296.		1
176	A Prediction Scheme for VBR Video Traffic Using a Fast Orthogonal Search Algorithm. , 2014, , .		1
177	Integrated Cooperative Localization for Connected Vehicles in Urban Canyons. , 2014, , .		1
178	Enhanced underwater target tracking using innovative spectral denoising method. , 2015, , .		1
179	Analysis of different GNSS array processing methods utilizing new experimental approach using a Spirent simulator and single frontend receiver. , 2016, , .		1
180	Investigation of the effects of White Gaussian Noise jamming on commercial GNSS receivers. , 2017, , .		1

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181	A Comprehensive Study of the Effects of Linear Chirp Jamming on GNSS Receivers under High-Dynamic Scenarios. , 2018, , .		1
182	Junction Detection Based on CCWT and MEMS Accelerometer Measurement. , 2018, , .		1
183	Research on the Improved Data Processing Method for Foot-Mounted Inertial Pedestrian Positioning System. , 2019, , .		1
184	An Analysis to Enhance the Reliability of an Integrated Navigation System at Multiple Stages by using FOS. , 0, , .		1
185	A Novel Wavelet Packet-based Jamming Mitigation Technique for Vector Tracking-based GPS Software Receiver. , 0, , .		1
186	Enhancing the Update Procedure of Neuro - Fuzzy Modules Used for Multi-Sensor Navigation Systems. , 2006, , .		0
187	Performance Enhancement of Underwater Target Tracking by Fusing Data of Array of Global Positioning System Sonobuoys. Journal of Computer Science, 2009, 5, 199-206.	0.6	0
188	Nonlinear modeling of the stochastic errors of MEMS inertial sensors utilized in smart phones. , 2013, , .		0
189	Inertial Navigation System Modeling. , 2013, , 167-200.		0
190	Using multiple sensor triads for enhanced misalignment estimation for portable and wearable devices. , 2014, , .		0
191	Encirclement of moving target using linear model predictive control via feedback linearization. , 2014, , .		0
192	Toward Practical Anticipatory Video Delivery for the Internet-of-Vehicles. , 2019, , .		0
193	Robust GPS Anti-jamming Technique Based on Fast Orthogonal Search. , 2020, , 233-244.		0
194	Integration of Code-Based Precise Point Positioning and Reduced Inertial Sensor System. , 0, , .		0
195	Performance Verification of Ultra-tight GPS/INS System Using a Comprehensive GPS/INS Data Simulation Tool. , 0, , .		0
196	Evaluation of Commercial GNSS Receivers Performance Under Chirp Jamming. , 0, , .		0
197	Real-time realization of digital surface models and slope map using lidar for UAV navigation in challenging environment. , 2019, , .		0