

# Chris Rizos

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5877606/chris-rizos-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

183  
papers

3,217  
citations

31  
h-index

48  
g-index

196  
ext. papers

3,745  
ext. citations

2.7  
avg, IF

5.5  
L-index

#	Paper	IF	Citations
183	Improving Adaptive Kalman Estimation in GPS/INS Integration. <i>Journal of Navigation</i> , <b>2007</b> , 60, 517-529	2.3	214
182	How feasible is the use of magnetic field alone for indoor positioning? <b>2012</b> ,		126
181	A critical evaluation of location based services and their potential. <i>Journal of Location Based Services</i> , <b>2007</b> , 1, 5-45	1.9	107
180	Mine Subsidence Monitoring Using Multi-source Satellite SAR Images. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2007</b> , 73, 259-266	1.6	106
179	Multipath Mitigation of Continuous GPS Measurements Using an Adaptive Filter. <i>GPS Solutions</i> , <b>2000</b> , 4, 19-30	4.4	92
178	Generalised measures of reliability for multiple outliers. <i>Journal of Geodesy</i> , <b>2010</b> , 84, 625-635	4.5	87
177	Applications of location based services: a selected review. <i>Journal of Location Based Services</i> , <b>2007</b> , 1, 89-111	1.9	83
176	Mapping accumulated mine subsidence using small stack of SAR differential interferograms in the Southern coalfield of New South Wales, Australia. <i>Engineering Geology</i> , <b>2010</b> , 115, 1-15	6	76
175	Uncovering common misconceptions in GNSS Precise Point Positioning and its future prospect. <i>GPS Solutions</i> , <b>2017</b> , 21, 13-22	4.4	68
174	Full-scale structural monitoring using an integrated GPS and accelerometer system. <i>GPS Solutions</i> , <b>2006</b> , 10, 233-247	4.4	67
173	Differences in RSSI readings made by different Wi-Fi chipsets: A limitation of WLAN localization <b>2011</b> ,		63
172	MULTIPATH MITIGATION BY WAVELET ANALYSIS FOR GPS BASE STATION APPLICATIONS. <i>Survey Review</i> , <b>2005</b> , 38, 2-10	0.9	63
171	An improved algorithm to generate a Wi-Fi fingerprint database for indoor positioning. <i>Sensors</i> , <b>2013</b> , 13, 11085-96	3.8	60
170	Deformation mapping in three dimensions for underground mining using InSAR in Southern highland coalfield in New South Wales, Australia. <i>International Journal of Remote Sensing</i> , <b>2011</b> , 32, 7227-7256	2.7	58
169	Assessment of radar interferometry performance for ground subsidence monitoring due to underground mining. <i>Earth, Planets and Space</i> , <b>2009</b> , 61, 733-745	2.9	51
168	An enhanced MEMS-INS/GNSS integrated system with fault detection and exclusion capability for land vehicle navigation in urban areas. <i>GPS Solutions</i> , <b>2014</b> , 18, 593-603	4.4	46
167	Improving the computational efficiency of the ambiguity function algorithm. <i>Journal of Geodesy</i> , <b>1996</b> , 70, 330-341	4.5	46

166	Novel Hybrid of LS-SVM and Kalman Filter for GPS/INS Integration. <i>Journal of Navigation</i> , <b>2010</b> , 63, 289-299	4.4	45
165	Alternatives to current GPS-RTK services and some implications for CORS infrastructure and operations. <i>GPS Solutions</i> , <b>2007</b> , 11, 151-158	4.4	45
164	A Robust Solution to High-Accuracy Geolocation: Quadruple Integration of GPS, IMU, Pseudolite, and Terrestrial Laser Scanning. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2011</b> , 60, 3694-3708	5.3	44
163	GPS seismometers with up to 20 Hz sampling rate. <i>Earth, Planets and Space</i> , <b>2000</b> , 52, 881-884	2.9	44
162	Comparison of Interpolation Algorithms in Network-Based GPS Techniques. <i>Navigation, Journal of the Institute of Navigation</i> , <b>2003</b> , 50, 277-293	2.3	40
161	GPS and GLONASS Integration: Modeling and Ambiguity Resolution Issues. <i>GPS Solutions</i> , <b>2001</b> , 5, 55-64	4.4	39
160	Integrated Navigation System for a Low-Cost Quadrotor Aerial Vehicle in the Presence of Rotor Influences. <i>Journal of Surveying Engineering, - ASCE</i> , <b>2017</b> , 143, 05016006	1.3	37
159	Effective Cycle Slip Detection and Identification for High Precision GPS/INS Integrated Systems. <i>Journal of Navigation</i> , <b>2003</b> , 56, 475-486	2.3	36
158	Single-Pass Sub-Meter Space-Based GNSS-R Ice Altimetry: Results From TDS-1. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2017</b> , 10, 3782-3788	4.7	35
157	Indoor positioning system based on sensor fusion for the Blind and Visually Impaired <b>2012</b> ,		34
156	An integer ambiguity resolution procedure for GPS/pseudolite/INS integration. <i>Journal of Geodesy</i> , <b>2005</b> , 79, 242-255	4.5	34
155	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2012</b> , 48, 1669-1681	3.7	32
154	Location-based services: technical and business issues. <i>GPS Solutions</i> , <b>2002</b> , 6, 169-178	4.4	32
153	Locata-based precise point positioning for kinematic maritime applications. <i>GPS Solutions</i> , <b>2015</b> , 19, 117-128	4.4	31
152	Detection of Wind-Induced Response by Wavelet Transformed GPS Solutions. <i>Journal of Surveying Engineering, - ASCE</i> , <b>2003</b> , 129, 99-104	1.3	31
151	A sector-based campus-wide indoor positioning system <b>2010</b> ,		29
150	Optimal Data Fusion Algorithm for Navigation Using Triple Integration of PPP-GNSS, INS, and Terrestrial Ranging System. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 5634-5644	4	28
149	Tropospheric corrections to SAR interferometry from GPS observations. <i>GPS Solutions</i> , <b>2004</b> , 8, 140-151	4.4	28

148	Design of a low-cost attitude determination GPS/INS integrated navigation system. <i>GPS Solutions</i> , <b>2005</b> , 9, 294-311	4.4	28
147	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2011</b> , 47, 1564-1579	3.7	27
146	Using Geomagnetic Field for Indoor Positioning. <i>Journal of Applied Geodesy</i> , <b>2013</b> , 7,	0.9	26
145	A SIMPLIFIED MINQUE PROCEDURE FOR THE ESTIMATION OF VARIANCE-COVARIANCE COMPONENTS OF GPS OBSERVABLES. <i>Survey Review</i> , <b>2002</b> , 36, 582-590	0.9	26
144	Vulnerabilities and integrity of precise point positioning for intelligent transport systems: overview and analysis. <i>Satellite Navigation</i> , <b>2021</b> , 2,	11.5	26
143	Improved decentralized multi-sensor navigation system for airborne applications. <i>GPS Solutions</i> , <b>2018</b> , 22, 1	4.4	24
142	On-the-fly Locata/inertial navigation system integration for precise maritime application. <i>Measurement Science and Technology</i> , <b>2013</b> , 24, 105104	2	24
141	Network-based geometry-free three carrier ambiguity resolution and phase bias calibration. <i>GPS Solutions</i> , <b>2009</b> , 13, 43-56	4.4	23
140	Pseudo-Satellite Applications in Deformation Monitoring. <i>GPS Solutions</i> , <b>2002</b> , 5, 80-87	4.4	23
139	A Multi-Sensor Positioning Method-Based Train Localization System for Low Density Line. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 10425-10437	6.8	23
138	An overview of GNSS remote sensing. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2014</b> , 2014,	1.9	22
137	GNSS-Based Model-Free Sea Surface Height Estimation in Unknown Sea State Scenarios. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2014</b> , 7, 1424-1435	4.7	22
136	Indoor navigation for people who are blind or vision impaired: where are we and where are we going?. <i>Journal of Location Based Services</i> , <b>2014</b> , 8, 54-73	1.9	22
135	Experimental results of Locata: A high accuracy indoor positioning system <b>2010</b> ,		22
134	Database updating through user feedback in fingerprint-based Wi-Fi location systems <b>2010</b> ,		21
133	A GPS-slaved time synchronization system for hybrid navigation. <i>GPS Solutions</i> , <b>2006</b> , 10, 207-217	4.4	20
132	A Study of Underwater Terrain Navigation based on the Robust Matching Method. <i>Journal of Navigation</i> , <b>2014</b> , 67, 569-578	2.3	19
131	GNSS satellite-based augmentation systems for Australia. <i>GPS Solutions</i> , <b>2017</b> , 21, 835-848	4.4	19

130	Variable length LMS adaptive filter for carrier phase multipath mitigation. <i>GPS Solutions</i> , <b>2011</b> , 15, 29-38	4.4	19
129	Comparing Different Global Positioning System Data Processing Techniques for Modeling Residual Systematic Errors. <i>Journal of Surveying Engineering</i> , - ASCE, <b>2003</b> , 129, 129-135	1.3	19
128	Phase Unwrapping for Very Large Interferometric Data Sets. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2011</b> , 49, 4048-4061	8.1	18
127	Multi-path PALSAR interferometric observations of the 2008 magnitude 8.0 Wenchuan Earthquake. <i>International Journal of Remote Sensing</i> , <b>2010</b> , 31, 3449-3463	3.1	18
126	High Precision Indoor and Outdoor Positioning using LocataNet. <i>The Journal of Global Positioning Systems</i> , <b>2003</b> , 2, 73-82		18
125	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2017</b> , 18, 103-113	6.1	17
124	GPS Precise Point Positioning with the Japanese Quasi-Zenith Satellite System LEX Augmentation Corrections. <i>Journal of Navigation</i> , <b>2015</b> , 68, 769-783	2.3	16
123	Multi-constellation GNSS/RNSS from the perspective of high accuracy users in Australia. <i>Journal of Spatial Science</i> , <b>2008</b> , 53, 29-63	1.6	15
122	GPS SINGLE POINT POSITIONING WITH SA OFF: HOW ACCURATE CAN WE GET?. <i>Survey Review</i> , <b>2001</b> , 36, 255-262	0.9	15
121	Least-squares support vector machine-based Kalman filtering for GNSS navigation with dynamic model real-time correction. <i>IET Radar, Sonar and Navigation</i> , <b>2017</b> , 11, 528-538	1.4	14
120	Satellite selection with an end-to-end deep learning network. <i>GPS Solutions</i> , <b>2018</b> , 22, 1	4.4	14
119	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 6365-6378	6.8	14
118	GPS and GIS Assisted Radar Interferometry. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2004</b> , 70, 1173-1177	1.6	14
117	Extension of Internal Reliability Analysis Regarding Separability Analysis. <i>Journal of Surveying Engineering</i> , - ASCE, <b>2017</b> , 143, 04017002	1.3	13
116	Crustal deformation in Australia measured by satellite radar interferometry using ALOS/PALSAR imagery. <i>Journal of Applied Geodesy</i> , <b>2009</b> , 3,	0.9	13
115	Experimental Analysis of GPS/Pseudolite/INS Integration for Aircraft Precision Approach and Landing. <i>Journal of Navigation</i> , <b>2008</b> , 61, 257-270	2.3	13
114	Single-Epoch Ambiguity Resolution for Real-Time GPS Attitude Determination with the Aid of One-Dimensional Optical Fiber Gyro. <i>GPS Solutions</i> , <b>1999</b> , 3, 5-12	4.4	13
113	Seamless Indoor-Outdoor Navigation based on GNSS, INS and Terrestrial Ranging Techniques. <i>Journal of Navigation</i> , <b>2017</b> , 70, 1183-1204	2.3	12

112	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2013</b> , 49, 1119-1138	3.7	12
111	GPS/Pseudolite/INS integration: concept and first tests. <i>GPS Solutions</i> , <b>2002</b> , 6, 34-46	4.4	12
110	GPS MULTIPATH MITIGATION USING FIR FILTERS. <i>Survey Review</i> , <b>2000</b> , 35, 487-498	0.9	12
109	Precise Indoor Positioning and Attitude Determination using Terrestrial Ranging Signals. <i>Journal of Navigation</i> , <b>2015</b> , 68, 274-290	2.3	11
108	A reference station-based GNSS computing mode to support unified precise point positioning and real-time kinematic services. <i>Journal of Geodesy</i> , <b>2013</b> , 87, 945-960	4.5	11
107	Optimal Fault Detection and Exclusion Applied in GNSS Positioning. <i>Journal of Navigation</i> , <b>2013</b> , 66, 683-700	2.0	11
106	A MIXED-MODE GPS NETWORK PROCESSING APPROACH FOR DEFORMATION MONITORING APPLICATIONS. <i>Survey Review</i> , <b>2003</b> , 37, 2-19	0.9	11
105	INVERTED PSEUDOLITE POSITIONING AND SOME APPLICATIONS. <i>Survey Review</i> , <b>2002</b> , 36, 602-611	0.9	11
104	Indoor navigation for the blind and vision impaired: Where are we and where are we going? <b>2012</b> ,		10
103	Assessing the performance of multi-frequency GPS, Galileo and BeiDou PPP ambiguity resolution. <i>Journal of Spatial Science</i> , <b>2020</b> , 65, 61-78	1.6	10
102	Underwater Navigation Based on Real-Time Simultaneous Sound Speed Profile Correction. <i>Marine Geodesy</i> , <b>2016</b> , 39, 98-111	1.2	9
101	Detecting Targets above the Earth's Surface Using GNSS-R Delay Doppler Maps: Results from TDS-1. <i>Remote Sensing</i> , <b>2019</b> , 11, 2327	5	9
100	Enhancing the kinematic precise orbit determination of low earth orbiters using GPS receiver clock modelling. <i>Advances in Space Research</i> , <b>2014</b> , 54, 1901-1912	2.4	9
99	Analyzing the Impact of Integrating Pseudolite Observables into a GPS/INS System. <i>Journal of Surveying Engineering, - ASCE</i> , <b>2004</b> , 130, 95-103	1.3	9
98	Low-cost GPS-based volcano deformation monitoring at Mt. Papandayan, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , <b>2002</b> , 115, 139-151	2.8	9
97	Low-cost densification of permanent GPS networks for natural hazard mitigation: First tests on GSI's GEONET network. <i>Earth, Planets and Space</i> , <b>2000</b> , 52, 867-871	2.9	9
96	Road Slope Information from GPS-Derived Trajectory Data. <i>Journal of Surveying Engineering, - ASCE</i> , <b>1999</b> , 125, 59-68	1.3	9
95	An optimal linear combination model to accelerate PPP convergence using multi-frequency multi-GNSS measurements. <i>GPS Solutions</i> , <b>2019</b> , 23, 1	4.4	8

94	Uniwide WiFi based positioning system <b>2010</b> ,		8
93	Observability Analysis of SINS/GPS during In-Motion Alignment Using Singular Value Decomposition. <i>Advanced Materials Research</i> , <b>2012</b> , 433-440, 5918-5923	0.5	8
92	Sigma-Point Kalman Filtering for Tightly Coupled GPS/INS Integration. <i>Navigation, Journal of the Institute of Navigation</i> , <b>2008</b> , 55, 167-177	2.3	8
91	A SIMPLIFIED MINQUE PROCEDURE FOR THE ESTIMATION OF VARIANCE-COVARIANCE COMPONENTS OF GPS OBSERVABLES		8
90	Contribution of GNSS CORS Infrastructure to the Mission of Modern Geodesy and Status of GNSS CORS in Thailand. <i>Engineering Journal</i> , <b>2011</b> , 15, 25-42	1.8	8
89	On the detectability of mis-modeled biases in the network-derived positioning corrections and their user impact. <i>GPS Solutions</i> , <b>2019</b> , 23, 1	4.4	7
88	Background and Recent Advances in the Locata Terrestrial Positioning and Timing Technology. <i>Sensors</i> , <b>2019</b> , 19,	3.8	7
87	The Validation of the Weight Function in the Leading-Edge-Derivative Path Delay Estimator for Space-Based GNSS-R Altimetry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2020</b> , 58, 6243-6254	8.1	7
86	Virtual baseline method for Beidou attitude determination   An improved long-short baseline ambiguity resolution method. <i>Advances in Space Research</i> , <b>2013</b> , 51, 1029-1034	2.4	7
85	Open Source GNSS Reference Server for Assisted-Global Navigation Satellite Systems. <i>Journal of Navigation</i> , <b>2011</b> , 64, 127-139	2.3	7
84	Slow structural deformation monitoring using Locata   A trial at Tumut Pond Dam. <i>Journal of Applied Geodesy</i> , <b>2010</b> , 4, 177-187	0.9	7
83	SINGLE EPOCH ALGORITHM BASED ON TIKHONOV REGULARIZATION FOR DEFORMATION MONITORING USING SINGLE FREQUENCY GPS RECEIVERS. <i>Survey Review</i> , <b>2006</b> , 38, 682-688	0.9	7
82	Advances in structural monitoring with Global Positioning System technology: 1997-2006. <i>Journal of Applied Geodesy</i> , <b>2007</b> , 1,	0.9	7
81	Integrity Monitoring for Horizontal RTK Positioning: New Weighting Model and Overbounding CDF in Open-Sky and Suburban Scenarios. <i>Remote Sensing</i> , <b>2020</b> , 12, 1173	5	6
80	Integrity Monitoring: From Airborne to Land Applications <b>2018</b> ,		6
79	Inter-satellite Ranging Augmented GPS Relative Navigation for Satellite Formation Flying. <i>Journal of Navigation</i> , <b>2014</b> , 67, 437-449	2.3	6
78	Preliminary Results of Satellite Radar Differential Interferometry for the Co-seismic Deformation of the 12 May 2008 Ms8.0 Wenchuan Earthquake. <i>Annals of GIS</i> , <b>2008</b> , 14, 12-19	4.1	6
77	The influence of improper stochastic modeling of Beidou pseudoranges on system reliability. <i>Advances in Space Research</i> , <b>2017</b> , 60, 2680-2690	2.4	5

76	Locata Performance Evaluation in the Presence of Wide- and Narrow-Band Interference. <i>Journal of Navigation</i> , <b>2010</b> , 63, 527-543	2.3	5
75	Projected bandwidth loop - an alternative to adaptive bandwidth loops with reduced complexity <b>2010</b> ,		5
74	802.11 Positioning in the Home <b>2008</b> ,		5
73	AUGMENTING GPS BY GROUND-BASED PSEUDOLITE SIGNALS FOR AIRBORNE SURVEYING APPLICATIONS. <i>Survey Review</i> , <b>2005</b> , 38, 88-99	0.9	5
72	Airborne GPS kinematic positioning and its application to oceanographic mapping. <i>Earth, Planets and Space</i> , <b>2000</b> , 52, 819-824	2.9	5
71	Instantaneous Ambiguity Resolution for Medium-Range GPS Kinematic Positioning Using Multiple Reference Stations. <i>International Association of Geodesy Symposia</i> , <b>1998</b> , 283-288	0.8	5
70	Simplified algebraic estimation for the quality control of DIA estimator. <i>Journal of Geodesy</i> , <b>2021</b> , 95, 1	4.5	5
69	Locata Network Design and Reliability Analysis for Harbour Positioning. <i>Journal of Navigation</i> , <b>2015</b> , 68, 238-252	2.3	4
68	GPS/WiFi Real-Time Positioning Device: An Initial Outcome. <i>Lecture Notes in Geoinformation and Cartography</i> , <b>2009</b> , 439-456	0.3	4
67	Variable length LMS adaptive filter for pseudorange multipath mitigation based on SydNET stations. <i>Journal of Applied Geodesy</i> , <b>2009</b> , 3,	0.9	4
66	Effect of pre-correlation filter on BOC-Gated-PRN discriminator <b>2008</b> ,		4
65	Feature Extraction and Spatial Interpolation for Improved Wireless Location Sensing. <i>Sensors</i> , <b>2008</b> , 8, 2865-2885	3.8	4
64	Multivariate Monitoring with GPS Observations and Auxillary Multisensor Data. <i>GPS Solutions</i> , <b>2002</b> , 5, 58-69	4.4	4
63	Regional-scale multiple reference stations for carrier phase-based GPS positioning: A correction generation algorithm. <i>Earth, Planets and Space</i> , <b>2000</b> , 52, 795-800	2.9	4
62	Interpolation of GPS results incorporating geophysical and InSAR information. <i>Earth, Planets and Space</i> , <b>2000</b> , 52, 999-1002	2.9	4
61	Real-time failure detection in the carrier phase measurements of GPS by robust and conventional kalman state estimates. <i>Marine Geodesy</i> , <b>1998</b> , 21, 41-65	1.2	4
60	PART 1 Surveying the Stuart Highway with GPS for the 1996 World Solar Challenge. <i>Journal of Spatial Science</i> , <b>1996</b> , 41, 194-203		4
59	Continuously operating GPS-based volcano deformation monitoring in Indonesia: the technical and logistical challenges. <i>International Association of Geodesy Symposia</i> , <b>2000</b> , 361-366	0.8	4

58	A hybrid integrity monitoring method using vehicular wireless communication in difficult environments for GNSS. <i>Vehicular Communications</i> , <b>2020</b> , 23, 100229	5-7	4
57	An analysis of PPP-GPS-based decentralized train multi-sensor navigation system. <i>GPS Solutions</i> , <b>2020</b> , 24, 1	4-4	4
56	Impact of Receiver Dynamics on Space-Based GNSS-R Altimetry. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2019</b> , 12, 1974-1980	4-7	3
55	Designing an Illegal Mining Detection System based on DinSAR <b>2010</b> ,		3
54	A new approach to improve the accuracy of baseline estimation for spaceborne radar interferometry <b>2009</b> ,		3
53	Performance of GNSS-based altimetry using airborne experimental data <b>2012</b> ,		3
52	Performance analysis of integrated GPS/GLONASS carrier phase-based positioning. <i>Geo-Spatial Information Science</i> , <b>2001</b> , 4, 9-18	3-5	3
51	The Global Geodetic Observing System (GGOS): Detecting the Fingerprints of Global Change in Geodetic Quantities <b>2010</b> , 125-143		3
50	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 10519-10530	6.8	3
49	A Seamless Train Positioning System Using a Lidar-Aided Hybrid Integration Methodology. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 6371-6384	6.8	3
48	Dilution of Precision in Three Dimensional Angle-of-Arrival Positioning Systems. <i>Journal of Electrical Engineering and Technology</i> , <b>2019</b> , 14, 2583-2593	1.4	2
47	GPS Receiver Clock Modelling for Kinematic-Based Precise Orbit Determination of Low Earth Orbiters. <i>Lecture Notes in Electrical Engineering</i> , <b>2014</b> , 133-142	0.2	2
46	Atmospheric remote sensing using GNSS in the Australasian region: From temperate climates to the tropics <b>2009</b> ,		2
45	Sea surface wind speed estimation based on GNSS signal measurements <b>2012</b> ,		2
44	Making Sense of GNSS Techniques <b>2010</b> , 173-190		2
43	GPS, GNSS, and the Future <b>2010</b> , 259-281		2
42	Adaptive Inter-Loop Aiding for Performance Improvements in Low CNIR Environments. <i>The Journal of Global Positioning Systems</i> , <b>2010</b> , 9, 41-60		2
41	Progress and Constraints of Real-Time Carrier Phase-Based Long-Range GPS Kinenatic Positioning. <i>International Association of Geodesy Symposia</i> , <b>1997</b> , 712-719	0.8	2

40	A WIFI/INS Indoor Pedestrian Navigation System Augmented by Context Feature. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 767-780	0.2	2
39	Further development of the attitude difference method for estimating deflections of the vertical in real time. <i>Measurement Science and Technology</i> , <b>2016</b> , 27, 075004	2	2
38	An investigation into the performance of real-time GPS+GLONASS Precise Point Positioning (PPP) in New Zealand. <i>Journal of Applied Geodesy</i> , <b>2017</b> , 11,	0.9	1
37	Surveying <b>2017</b> , 1011-1037		1
36	Forest change detection based on GNSS signal strength measurements <b>2013</b> ,		1
35	A Two-Frame National Geospatial Reference System Accounting for Geodynamics. <i>International Association of Geodesy Symposia</i> , <b>2015</b> , 235-242	0.8	1
34	Defining a Local Reference Frame Using a Plate Motion Model and Deformation Model. <i>International Association of Geodesy Symposia</i> , <b>2015</b> , 147-154	0.8	1
33	GNSS remote sensing. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2014</b> , 2014,	1.9	1
32	Flight Evaluation of a Locata-augmented Multisensor Navigation System. <i>Journal of Applied Geodesy</i> , <b>2013</b> , 7,	0.9	1
31	Hybrid Schemes for Carrier Point Positioning Solution Quality Improvement. <i>Navigation, Journal of the Institute of Navigation</i> , <b>2010</b> , 57, 231-247	2.3	1
30	VirtuaLites: concepts and numerical testing results. <i>Journal of Applied Geodesy</i> , <b>2009</b> , 3,	0.9	1
29	Towards a Multi Objective Path Optimisation for Car Navigation. <i>Journal of Navigation</i> , <b>2012</b> , 65, 125-144.	1.3	1
28	Carrying Out a GPS Surveying/Mapping Task <b>2010</b> , 217-234		1
27	GPS Positioning Models for Single Point and Baseline Solutions <b>2010</b> , 135-149		1
26	A geometric wireless location system utilizing downlink pilot strength measurement messages <b>2008</b> ,		1
25	Novel geolocation technology for geophysical sensors for detection and discrimination of unexploded ordnance <b>2008</b> ,		1
24	Real-Time Failure Detection and Repair in Ionospheric Delay Estimation Using GPS by Robust and Conventional Kalman Filter State Estimates. <i>International Association of Geodesy Symposia</i> , <b>1998</b> , 295-300.	0.8	1
23	Part 2 GPS in Support of the 1996 World Solar Challenge. <i>Journal of Spatial Science</i> , <b>1996</b> , 41, 269-277		1

22	Making sense of the GPS techniques <b>2001</b> , 146-161		1
21	Servicing the GPS user <b>2001</b> , 201-215		1
20	Global Geodesy and Reference Frames <b>2020</b> , 717-739		1
19	Geometry-Based TCAR Models and Performance Analysis. <i>International Association of Geodesy Symposia</i> , <b>2009</b> , 645-653	0.8	1
18	Walking Status Detection for Pedestrian Navigation. <i>Lecture Notes in Electrical Engineering</i> , <b>2014</b> , 485-497.2		1
17	Seamless pedestrian navigation augmented by walk status detection and context features <b>2016</b> ,		1
16	Integrity monitoring for precise orbit determination of LEO satellites. <i>GPS Solutions</i> , <b>2022</b> , 26, 1	4.4	1
15	An Instantaneous Ambiguity Resolution Technique for Medium-Range GPS Kinematic Positioning. <i>Navigation, Journal of the Institute of Navigation</i> , <b>2000</b> , 47, 17-31	2.3	0
14	An Optimal Data Fusion Algorithm Based on the Triple Integration of PPP-GNSS, INS and Terrestrial Ranging System. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 493-505	0.2	0
13	GNSS best integer equivariant estimation using multivariate t-distribution: a case study for precise point positioning. <i>Journal of Geodesy</i> , <b>2021</b> , 95, 1	4.5	0
12	An accurate train positioning method using tightly-coupled GPS + BDS PPP/IMU strategy. <i>GPS Solutions</i> , <b>2022</b> , 26, 1	4.4	0
11	Airborne Pseudolite Distributed Positioning based on Real-time GNSS PPP. <i>Journal of Navigation</i> , <b>2019</b> , 72, 1159-1178	2.3	
10	Sensing the Earth using Global Navigation Satellite System signals. <i>Eos</i> , <b>2011</b> , 92, 444-444	1.5	
9	Land Subsidence Monitoring in Australia and China using Satellite Interferometry. <i>International Association of Geodesy Symposia</i> , <b>2009</b> , 743-750	0.8	
8	Part 1 Surveying the stuart highway with GPS for the 1996 world solar challenge. <i>Journal of Spatial Science</i> , <b>1996</b> , 41, 195-203		
7	Part 2 GPS in Support of the 1996 World Solar Challenge. <i>Journal of Spatial Science</i> , <b>1996</b> , 41, 269-277		
6	Multisensor Integration and Data Fusion for Positioning. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , <b>2018</b> , 443-484	0.2	
5	Quality Control Algorithms for Permanent GPS Receiver Applications. <i>International Association of Geodesy Symposia</i> , <b>1998</b> , 307-312	0.8	

4 L-Band and C-Band Combined Interferometric Monitoring of the Wenchuan Earthquake **2010**, 239-253

3 Addendum: Hu, C.; et al. Detecting Targets above the Earth's Surface Using GNSS-R Delay Doppler Maps: Results from TDS-1. *Remote Sens.* 2019, 11, 2327. *Remote Sensing*, **2021**, 13, 715 5

2 Online GPR-KF for GNSS Navigation with Unmodelled Measurement Error. *Lecture Notes in Electrical Engineering*, **2018**, 59-70 0.2

1 Regional Bare-Earth Digital Terrain Model for Costa Rica Based on NASADEM Corrected for Vegetation Bias. *Remote Sensing*, **2022**, 14, 2421 5