Changdon Kee

List of Publications by Year
in descending order

		516710	642732
45 papers	629 citations	16 h-index	23 g-index
45 all docs	45 docs citations	45 times ranked	551 citing authors

#	ARTICLE	IF	CITATIONS
1	Position Accuracy Improvement by Implementing the DGNSS-CP Algorithm in Smartphones. Sensors, 2016, 16, 910.	3.8	62
2	Wide Area Differential GPS. Navigation, Journal of the Institute of Navigation, 1991, 38, 123-145.	2.8	57
3	Motion Recognition based 3D Pedestrian Navigation System using Smartphone. IEEE Sensors Journal, 2016, , 1-1.	4.7	48
4	Accuracy Improvement of DGPS for Low-Cost Single-Frequency Receiver Using Modified Flächen Korrektur Parameter Correction. ISPRS International Journal of Geo-Information, 2017, 6, 222.	2.9	34
5	A Pseudolite-Based Positioning System for Legacy GNSS Receivers. Sensors, 2014, 14, 6104-6123.	3.8	33
6	Attitude estimation method for small UAV under accelerative environment. GPS Solutions, 2015, 19, 343-355.	4.3	29
7	Optimal Hatch Filter with an Adaptive Smoothing Window Width. Journal of Navigation, 2008, 61, 435-454.	1.7	27
8	The Compact Network RTK Method: An Effective Solution to Reduce GNSS Temporal and Spatial Decorrelation Error. Journal of Navigation, 2010, 63, 343-362.	1.7	25
9	RRC unnecessary for DGPS messages. IEEE Transactions on Aerospace and Electronic Systems, 2006, 42, 1149-1160.	4.7	24
10	DGPS Enhancement to GPS NMEA Output Data: DGPS by Correction Projection to Position-Domain. Journal of Navigation, 2013, 66, 249-264.	1.7	24
11	GPS Cycle Slip Detection Considering Satellite Geometry Based on TDCP/INS Integrated Navigation. Sensors, 2015, 15, 25336-25365.	3.8	24
12	Implementation of a Vector-based Tracking Loop Receiver in a Pseudolite Navigation System. Sensors, 2010, 10, 6324-6346.	3.8	23
13	Optimal Divergence-Free Hatch Filter for GNSS Single-Frequency Measurement. Sensors, 2017, 17, 448.	3.8	23
14	Fully automatic taxiing, takeoff and landing of a UAV using a single-antenna GPS receiver only. , 2007, , .		21
15	Quality Control Algorithms on WAAS Wide-Area Reference Stations. Navigation, Journal of the Institute of Navigation, 1997, 44, 53-62.	2.8	18
16	A Low-Cost, High-Precision Vehicle Navigation System for Deep Urban Multipath Environment Using TDCP Measurements. Sensors, 2020, 20, 3254.	3.8	17
17	Flight Test of Attitude Determination System using Multiple GPS Antennae. Journal of Navigation, 2006, 59, 119-133.	1.7	16
18	Performance Improvement of Time-Differenced Carrier Phase Measurement-Based Integrated GPS/INS Considering Noise Correlation. Sensors, 2019, 19, 3084.	3.8	12

#	ARTICLE	IF	CITATIONS
19	Comparative Analysis of Height-Related Multiple Correction Interpolation Methods with Constraints for Network RTK in Mountainous Areas. Journal of Navigation, 2016, 69, 991-1010.	1.7	10
20	A closed-form method for the attitude determination using GNSS Doppler measurements. International Journal of Control, Automation and Systems, 2011, 9, 701-708.	2.7	8
21	GPS Satellite State Vector Determination in ECI Coordinate System using the Civil Navigation Message. Journal of Navigation, 2014, 67, 1-16.	1.7	8
22	Optimal Selection of an Inertial Sensor for Cycle Slip Detection Considering Single-frequency RTK/INS Integrated Navigation. Transactions of the Japan Society for Aeronautical and Space Sciences, 2016, 59, 205-217.	0.7	8
23	The development of modularized post processing GPS software receiving platform. , 2008, , .		7
24	A New Algorithm for High-Integrity Detection and Compensation of Dual-Frequency Cycle Slip under Severe Ionospheric Storm Conditions. Sensors, 2018, 18, 3654.	3.8	7
25	Enhancement of GPS/INS Navigation System Observability Using a Triaxial Magnetometer. Transactions of the Japan Society for Aeronautical and Space Sciences, 2019, 62, 125-136.	0.7	7
26	In-Orbit Results and Attitude Analysis of the SNUGLITE Cube-Satellite. Applied Sciences (Switzerland), 2020, 10, 2507.	2.5	7
27	Hybrid Model–Based Motion Recognition for Smartphone Users. ETRI Journal, 2014, 36, 1016-1022.	2.0	6
28	Optimal signal tracking algorithm for GNSS signal using moving set-point LQG system. International Journal of Control, Automation and Systems, 2013, 11, 1214-1222.	2.7	5
29	The study of error sources for MOSAIC/DME system: A single station based positioning system for APNT. , 2014, , .		5
30	Single station–based precise positioning system: Multiple–antenna arrangement for instantaneous ambiguity resolution. Navigation, Journal of the Institute of Navigation, 2019, 66, 747-768.	2.8	5
31	Comparison of Master Station and User Algorithms for Wide-Area Augmentation System. Journal of Guidance, Control, and Dynamics, 1997, 20, 170-176.	2.8	4
32	Spoofing Attack Results Determination in Code Domain Using a Spoofing Process Equation. Sensors, 2019, 19, 293.	3.8	4
33	Verification of a Real-Time Attitude Determination Algorithm through Development of 48-Channel GPS Attitude Receiver Hardware. Journal of Navigation, 2009, 62, 397-410.	1.7	3
34	Analysis of GNSS Signal Acquisition Methods for the Bit-Transition Problem for a Single Code Period. Transactions of the Japan Society for Aeronautical and Space Sciences, 2013, 56, 31-41.	0.7	3
35	Improving performance of GPS satellite DCB estimation for regional GPS networks using long-term stability. GPS Solutions, 2018, 22, 1.	4.3	3
36	Improving the Accuracy of Regional Ionospheric Mapping with Double-Difference Carrier Phase Measurement. Remote Sensing, 2019, 11, 1849.	4.0	3

#	Article	IF	Citations
37	One‑way deep indoor positioning system for conventional GNSS receiver using paired transmitters. Navigation, Journal of the Institute of Navigation, 2021, 68, 601-619.	2.8	2
38	Extending Operational Area of Pseudolite Using Long Integration Time and Data-less Pseudolites. Transactions of the Japan Society for Aeronautical and Space Sciences, 2009, 52, 59-64.	0.7	2
39	Performance Analysis of Wide Area Differential GPS (Wadgps) in East-Asia. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 311-316.	0.4	1
40	A new GNSS signal acquisition algorithm based on cross-correlation sequence with reduced signal-receiving time. , 2007, , .		1
41	A New Method to Improve the Detection of Co-Seismic Ionospheric Disturbances using Sequential Measurement Combination. Sensors, 2019, 19, 2948.	3.8	1
42	Optimal GNSS Signal Tracking Loop Design Based on Plant Modeling. International Journal of Aeronautical and Space Sciences, 2019, 20, 525-536.	2.0	1
43	Covariance Analysis of Real-Time Precise GPS Orbit Estimated from Double-Differenced Carrier Phase Observations. Remote Sensing, 2019, 11, 2271.	4.0	1
44	A Particle Filter Approach to DGNSS Integrity Monitoring â€"Consideration of Non-Gaussian Error Distributionâ€". Transactions of the Japan Society for Aeronautical and Space Sciences, 2008, 50, 231-239.	0.7	0
45	Probabilistic Determination Algorithm for Detumbling and Angular Rate Convergence using a Three-Axis Magnetometer. Transactions of the Japan Society for Aeronautical and Space Sciences, 2022, 65, 76-83.	0.7	0