Ruizhi Chen

List of Publications by Year
in descending order

167 papers	3,941 citations	126907 33 h-index	175258 52 g-index
167 all docs	167 docs citations	167 times ranked	3159 citing authors

#	Article	IF	Citations
1	Indoor positioning based on tightly coupling of PDR and one single Wi-Fi FTM AP. Geo-Spatial Information Science, 2023, 26, 480-495.	5.3	3
2	Autonomous 3D Indoor Localization Based on Crowdsourced Wi-Fi Fingerprinting and MEMS Sensors. IEEE Sensors Journal, 2022, 22, 5248-5259.	4.7	22
3	Inertial Sensing Meets Machine Learning: Opportunity or Challenge?. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9995-10011.	8.0	19
4	Signal acquisition of Luojia-1A low earth orbit navigation augmentation system with software defined receiver. Geo-Spatial Information Science, 2022, 25, 47-62.	5.3	9
5	Off-Line Evaluation of Indoor Positioning Systems in Different Scenarios: The Experiences From IPIN 2020 Competition. IEEE Sensors Journal, 2022, 22, 5011-5054.	4.7	35
6	Improved TOA Estimation Method for Acoustic Ranging in a Reverberant Environment. IEEE Sensors Journal, 2022, 22, 4844-4852.	4.7	13
7	Bluetooth, Floor-Plan, and Microelectromechanical Systems-Assisted Wide-Area Audio Indoor Localization System: Apply to Smartphones. IEEE Transactions on Industrial Electronics, 2022, 69, 11744-11754.	7.9	20
8	Bottomside ionospheric snapshot modeling using the LEO navigation augmentation signal from the Luojia-1A satellite. GPS Solutions, 2022, 26, 1.	4.3	5
9	Carrier Phase Ranging for Indoor Positioning With 5G NR Signals. IEEE Internet of Things Journal, 2022, 9, 10908-10919.	8.7	55
10	Displacement detection based on Bayesian inference from GNSS kinematic positioning for deformation monitoring. Mechanical Systems and Signal Processing, 2022, 167, 108570.	8.0	10
11	H-WPS: Hybrid Wireless Positioning System Using an Enhanced Wi-Fi FTM/RSSI/MEMS Sensors Integration Approach. IEEE Internet of Things Journal, 2022, 9, 11827-11842.	8.7	18
12	Precise 3D Indoor Localization and Trajectory Optimization Based on Sparse Wi-Fi FTM Anchors and Built-In Sensors. IEEE Transactions on Vehicular Technology, 2022, 71, 4042-4056.	6.3	22
13	Machine Learning-Based Short-Term GPS TEC Forecasting During High Solar Activity and Magnetic Storm Periods. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 115-126.	4.9	23
14	An optimal design of the broadcast ephemeris for LEO navigation augmentation systems. Geo-Spatial Information Science, 2022, 25, 34-46.	5.3	6
15	3D convolutional auto-encoder based multi-scale feature extraction for point cloud registration. Optics and Laser Technology, 2022, 149, 107860.	4.6	5
16	A Robust Integration Platform of Wi-Fi RTT, RSS Signal, and MEMS-IMU for Locating Commercial Smartphone Indoors. IEEE Internet of Things Journal, 2022, 9, 16322-16331.	8.7	14
17	Interactive multiple-model vertical vibration detection of structures based on high-frequency GNSS observations. GPS Solutions, 2022, 26, 1.	4.3	9
18	Instance-Aware Semantic Segmentation of Road Furniture in Mobile Laser Scanning Data. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17516-17529.	8.0	2

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19	Transient hydrology-induced elastic deformation and land subsidence in Australia constrained by contemporary geodetic measurements. Earth and Planetary Science Letters, 2022, 588, 117556.	4.4	9
20	A Multimagnetometer Array and Inner IMU-Based Capsule Endoscope Positioning System. IEEE Internet of Things Journal, 2022, 9, 21194-21203.	8.7	1
21	Basin Mass Changes in Finland From GRACE: Validation and Explanation. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	5
22	LEO navigation augmentation constellation design with the multi-objective optimization approaches. Chinese Journal of Aeronautics, 2021, 34, 265-278.	5.3	27
23	Toward Location-Enabled IoT (LE-IoT): IoT Positioning Techniques, Error Sources, and Error Mitigation. IEEE Internet of Things Journal, 2021, 8, 4035-4062.	8.7	91
24	Smartphone-Based Indoor Positioning Technologies. Urban Book Series, 2021, , 467-490.	0.6	12
25	Joint Hand-Object 3D Reconstruction From a Single Image With Cross-Branch Feature Fusion. IEEE Transactions on Image Processing, 2021, 30, 4008-4021.	9.8	28
26	Precise Indoor Positioning Based on Acoustic Ranging in Smartphone. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	30
27	Short-Term Landslide Displacement Detection Based on GNSS Real-Time Kinematic Positioning. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	12
28	Refining the empirical global pressure and temperature model with the ERA5 reanalysis and radiosonde data. Journal of Geodesy, 2021, 95, 1.	3.6	22
29	Decoding PPP Corrections From BDS B2b Signals Using a Software-Defined Receiver: An Initial Performance Evaluation. IEEE Sensors Journal, 2021, 21, 7871-7883.	4.7	29
30	GPS Imaging of Vertical Bedrock Displacements: Quantification of Two‐Dimensional Vertical Crustal Deformation in China. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020951.	3.4	24
31	Performance of the non-iterative ToA-based positioning algorithms in complex indoor environments. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	0
32	A Novel 3-D Indoor Localization Algorithm Based on BLE and Multiple Sensors. IEEE Internet of Things Journal, 2021, 8, 9359-9372.	8.7	49
33	A Robust Seamless Localization Framework Based on Wi-Fi FTM / GNSS and Built-In Sensors. IEEE Communications Letters, 2021, 25, 2226-2230.	4.1	12
34	VNLSTM-PoseNet: A novel deep ConvNet for real-time 6-DOF camera relocalization in urban streets. Geo-Spatial Information Science, 2021, 24, 422-437.	5.3	18
35	Indoor Positioning Based on Walking-Surveyed Wi-Fi Fingerprint and Corner Reference Trajectory-Geomagnetic Database. IEEE Sensors Journal, 2021, 21, 18964-18977.	4.7	21
36	Pedestrian dead reckoning with novel heading estimation under magnetic interference and multiple smartphone postures. Measurement: Journal of the International Measurement Confederation, 2021, 182, 109610.	5.0	16

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37	Combined BDS-2/BDS-3 real-time satellite clock estimation with the overlapping B1I/B3I signals. Advances in Space Research, 2021, 68, 4470-4483.	2.6	8
38	The Complex Love Numbers of Long‐Period Zonal Tides Retrieved From Global GPS Displacements: Applications for Determining Mantle Anelasticity. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022380.	3.4	4
39	A new Wi-Fi dynamic selection of nearest neighbor localization algorithm based on RSS characteristic value extraction by hybrid filtering. Measurement Science and Technology, 2021, 32, 034003.	2.6	7
40	Improved Single-Frequency Kinematic Orbit Determination Strategy of Small LEO Satellite with the Sun-Pointing Attitude Mode. Remote Sensing, 2021, 13, 4020.	4.0	1
41	The Interannual Fluctuations in Mass Changes and Hydrological Elasticity on the Tibetan Plateau from Geodetic Measurements. Remote Sensing, 2021, 13, 4277.	4.0	3
42	Interest point detection from multi‐beam light detection and ranging point cloud using unsupervised convolutional neural network. IET Image Processing, 2021, 15, 369-377.	2.5	3
43	Application of Smartphone based Land Vehicle Navigation. , 2021, , .		2
44	A Novel Method Locating Pedestrian With Smartphone Indoors Using Acoustic Fingerprints. IEEE Sensors Journal, 2021, 21, 27887-27896.	4.7	6
45	Modeling of multi-sensor tightly aided BDS triple-frequency precise point positioning and initial assessments. Information Fusion, 2020, 55, 184-198.	19.1	17
46	Cost-Effective Localization Using RSS From Single Wireless Access Point. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1860-1870.	4.7	17
47	Surface seasonal mass changes and vertical crustal deformation in North China from GPS and GRACE measurements. Geodesy and Geodynamics, 2020, 11, 46-55.	2.2	21
48	Using Radar Signatures to Classify Bird Flight Modes Between Flapping and Gliding. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1518-1522.	3.1	5
49	Precise 3-D Indoor Localization Based on Wi-Fi FTM and Built-In Sensors. IEEE Internet of Things Journal, 2020, 7, 11753-11765.	8.7	48
50	AtLAS: An Activity-Based Indoor Localization and Semantic Labeling Mechanism for Residences. IEEE Internet of Things Journal, 2020, 7, 10606-10622.	8.7	8
51	Comparison of radar signatures based on flight morphology for large birds and small birds. IET Radar, Sonar and Navigation, 2020, 14, 1365-1369.	1.8	4
52	An Improved Weighted K-Nearest Neighbor Algorithm for Indoor Localization. Electronics (Switzerland), 2020, 9, 2117.	3.1	30
53	Wi-Fi Fine Time Measurement: Data Analysis and Processing for Indoor Localisation. Journal of Navigation, 2020, 73, 1106-1128.	1.7	22
54	A Precise Indoor Visual Positioning Approach Using a Built Image Feature Database and Single User Image from Smartphone Cameras. Remote Sensing, 2020, 12, 869.	4.0	17

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55	Site-specific real-time GPS multipath mitigation based on coordinate time series window matching. GPS Solutions, 2020, 24, 1.	4.3	18
56	A Time‐Varying 3‐D Displacement Model of the ~5.9‐Year Westward Motion and its Applications for the Global Navigation Satellite System Positions and Velocities. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018804.	3.4	13
57	Centimeter-Level Precise Orbit Determination for the Luojia-1A Satellite Using BeiDou Observations. Remote Sensing, 2020, 12, 2063.	4.0	19
58	Accurate DOA Estimation With Adjacent Angle Power Difference for Indoor Localization. IEEE Access, 2020, 8, 44702-44713.	4.2	22
59	Time‐of‐arrival estimation for smartphones based on built‐in microphone sensor. Electronics Letters, 2020, 56, 1280-1283.	1.0	3
60	Theoretical and Experimental Analysis of Radar Micro-Doppler Signature Modulated by Rotating Blades of Drones. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1659-1663.	4.0	18
61	A Practical Adaptive Clock Offset Prediction Model for the Beidou-2 System. Remote Sensing, 2019, 11, 1850.	4.0	12
62	An infant monitoring system with the support of accurate real-time indoor positioning. Geo-Spatial Information Science, 2019, 22, 279-289.	5.3	6
63	Locating Smartphones Indoors Using Built-In Sensors and Wi-Fi Ranging With an Enhanced Particle Filter. IEEE Access, 2019, 7, 95140-95153.	4.2	67
64	The Integration of Photodiode and Camera for Visible Light Positioning by Using Fixed-Lag Ensemble Kalman Smoother. Remote Sensing, 2019, 11, 1387.	4.0	6
65	A Robust Dead Reckoning Algorithm Based on Wi-Fi FTM and Multiple Sensors. Remote Sensing, 2019, 11, 504.	4.0	55
66	Contemporary Mountain‐Building of the Tianshan and its Relevance to Geodynamics Constrained by Integrating GPS and GRACE Measurements. Journal of Geophysical Research: Solid Earth, 2019, 124, 12171-12188.	3.4	17
67	Common Mode Component and Its Potential Effect on GPS-Inferred Three-Dimensional Crustal Deformations in the Eastern Tibetan Plateau. Remote Sensing, 2019, 11, 1975.	4.0	19
68	Robust Kalman Filter Aided GEO/IGSO/GPS Raw-PPP/INS Tight Integration. Sensors, 2019, 19, 417.	3.8	14
69	Is field-measured tree height as reliable as believed â€" A comparison study of tree height estimates from field measurement, airborne laser scanning and terrestrial laser scanning in a boreal forest. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 147, 132-145.	11.1	179
70	A Pose Awareness Solution for Estimating Pedestrian Walking Speed. Remote Sensing, 2019, 11, 55.	4.0	34
71	Wireless Fingerprinting Uncertainty Prediction Based on Machine Learning. Sensors, 2019, 19, 324.	3.8	33
72	A Review of Global Navigation Satellite System (GNSS)-based Dynamic Monitoring Technologies for Structural Health Monitoring. Remote Sensing, 2019, 11, 1001.	4.0	79

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73	A Controllable Success Fix Rate Threshold Determination Method for GNSS Ambiguity Acceptance Tests. Remote Sensing, 2019, 11, 804.	4.0	3
74	IMU/Magnetometer/Barometer/Mass-Flow Sensor Integrated Indoor Quadrotor UAV Localization with Robust Velocity Updates. Remote Sensing, 2019, 11, 838.	4.0	25
75	A Pairwise SSD Fingerprinting Method of Smartphone Indoor Localization for Enhanced Usability. Remote Sensing, 2019, 11, 566.	4.0	14
76	Design of a Smartphone Indoor Positioning Dynamic Ground Truth Reference System Using Robust Visual Encoded Targets. Sensors, 2019, 19, 1261.	3.8	8
77	Calibrating Multi-Channel RSS Observations for Localization Using Gaussian Process. IEEE Wireless Communications Letters, 2019, 8, 1116-1119.	5.0	12
78	Enhanced Wireless Localization Based on Orientation-Compensation Model and Differential Received Signal Strength. IEEE Sensors Journal, 2019, 19, 4201-4210.	4.7	10
79	Recent Surface Deformation in the Tianjin Area Revealed by Sentinel-1A Data. Remote Sensing, 2019, 11, 130.	4.0	30
80	Multispectral Image Segmentation Based on a Fuzzy Clustering Algorithm Combined with Tsallis Entropy and a Gaussian Mixture Model. Remote Sensing, 2019, 11, 2772.	4.0	9
81	SO-HandNet: Self-Organizing Network for 3D Hand Pose Estimation With Semi-Supervised Learning. , 2019, , .		60
82	Using the wingbeat corner reflector effect to increase detection range of avian radar systems. IET Radar, Sonar and Navigation, 2019, 13, 1811-1815.	1.8	4
83	A Low-Cost Single-Anchor Solution for Indoor Positioning Using BLE and Inertial Sensor Data. IEEE Access, 2019, 7, 162439-162453.	4.2	27
84	NLOS Mitigation in Sparse Anchor Environments with the Misclosure Check Algorithm. Remote Sensing, 2019, 11, 773.	4.0	9
85	Indoor Smartphone Localization: A Hybrid WiFi RTT-RSS Ranging Approach. IEEE Access, 2019, 7, 176767-176781.	4.2	89
86	Application of the ARâ€ž Spectrum to Polar Motion: A Possible First Detection of the Inner Core Wobble and Its Implications for the Density of Earth's Core. Geophysical Research Letters, 2019, 46, 13765-13774.	4.0	6
87	The Challenges of LEO Based Navigation Augmentation System â€" Lessons Learned from Luojia-1A Satellite. Lecture Notes in Electrical Engineering, 2019, , 298-310.	0.4	12
88	Hybrid Kernel Based Machine Learning Using Received Signal Strength Measurements for Indoor Localization. IEEE Transactions on Vehicular Technology, 2018, 67, 2824-2829.	6.3	50
89	A Localization Database Establishment Method Based on Crowdsourcing Inertial Sensor Data and Quality Assessment Criteria. IEEE Internet of Things Journal, 2018, 5, 4764-4777.	8.7	43
90	Monitoring cotton (Gossypium hirsutum L.) germination using ultrahigh-resolution UAS images. Precision Agriculture, 2018, 19, 161-177.	6.0	46

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91	Positioning in Large Indoor Spaces using Smartphone Camera based on Static Objects. , 2018, , .		1
92	Extrinsic Calibration of 2D Laser Rangefinders Using an Existing Cuboid-Shaped Corridor as the Reference. Sensors, 2018, 18, 4371.	3.8	12
93	Improving GNSS Ambiguity Acceptance Test Performance with the Generalized Difference Test Approach. Sensors, 2018, 18, 3018.	3.8	2
94	Smartphone Heading Correction Based on Gravity Assisted and Middle Time Simulated-Zero Velocity Update Method. Sensors, 2018, 18, 3349.	3.8	5
95	Simulated-Zero Velocity Update Method for smartphone Navigation. , 2018, , .		2
96	Initial Assessment of the LEO Based Navigation Signal Augmentation System from Luojia-1A Satellite. Sensors, 2018, 18, 3919.	3.8	57
97	iBaby: A low cost BLE pseudolite based indoor baby care system. , 2018, , .		4
98	A Robust Filter for TOA Based Indoor Localization in Mixed LOS/NLOS Environment. , 2018, , .		4
99	A Bayesian Density Model Based Radio Signal Fingerprinting Positioning Method for Enhanced Usability. Sensors, 2018, 18, 4063.	3.8	18
100	An Image-based Visual Localization Approach to Urban Space. , 2018, , .		0
101	Multi-Sensor Multi-Floor 3D Localization With Robust Floor Detection. IEEE Access, 2018, 6, 76689-76699.	4.2	50
102	The Accuracy Comparison of Three Simultaneous Localization and Mapping (SLAM)-Based Indoor Mapping Technologies. Sensors, 2018, 18, 3228.	3.8	68
103	Extrinsic Calibration of 2D Laser Rangefinders Based on a Mobile Sphere. Remote Sensing, 2018, 10, 1176.	4.0	17
104	Spatially varying surface seasonal oscillations and 3-D crustal deformation of the Tibetan Plateau derived from GPS and GRACE data. Earth and Planetary Science Letters, 2018, 502, 12-22.	4.4	68
105	Mobile Geospatial Computing Systems for Ubiquitous Positioning. Mobile Information Systems, 2018, 2018, 1-2.	0.6	4
106	Temporalâ€"Spatial Surface Seasonal Mass Changes and Vertical Crustal Deformation in South China Block from GPS and GRACE Measurements. Sensors, 2018, 18, 99.	3.8	16
107	Image-Based Localization Aided Indoor Pedestrian Trajectory Estimation Using Smartphones. Sensors, 2018, 18, 258.	3.8	18
108	Wide Swath Stereo Mapping from Gaofen-1 Wide-Field-View (WFV) Images Using Calibration. Sensors, 2018, 18, 739.	3.8	3

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109	Positioning Locality Using Cognitive Directions Based on Indoor Landmark Reference System. Sensors, 2018, 18, 1049.	3.8	6
110	An Effective Image Denoising Method for UAV Images via Improved Generative Adversarial Networks. Sensors, 2018, 18, 1985.	3.8	19
111	A Novel Fingerprinting Method of WiFi Indoor Positioning Based on Weibull Signal Model. Lecture Notes in Electrical Engineering, 2018, , 297-309.	0.4	7
112	An Indoor Positioning System Based on Static Objects in Large Indoor Scenes by Using Smartphone Cameras. Sensors, 2018, 18, 2229.	3.8	44
113	Indoor Visual Positioning Aided by CNN-Based Image Retrieval: Training-Free, 3D Modeling-Free. Sensors, 2018, 18, 2692.	3.8	44
114	Joint Wireless Positioning and Emitter Identification in DVB-T Single Frequency Networks. IEEE Transactions on Broadcasting, 2017, 63, 577-582.	3.2	19
115	Contemporary crustal movement of southeastern Tibet: Constraints from dense GPS measurements. Scientific Reports, 2017, 7, 45348.	3.3	44
116	Temporal and spatial variations of global ionospheric total electron content under various solar conditions. Journal of Geodesy, 2017, 91, 485-502.	3.6	8
117	Evaluation of fingerprinting-based WiFi indoor localization coexisted with Bluetooth. The Journal of Global Positioning Systems, 2017, 15, .	1.6	16
118	An Improved Compressive Sensing and Received Signal Strength-Based Target Localization Algorithm with Unknown Target Population for Wireless Local Area Networks. Sensors, 2017, 17, 1246.	3.8	14
119	A Stereo Dual-Channel Dynamic Programming Algorithm for UAV Image Stitching. Sensors, 2017, 17, 2060.	3.8	13
120	Visual Positioning Indoors: Human Eyes vs. Smartphone Cameras. Sensors, 2017, 17, 2645.	3.8	8
121	Indoors Locality Positioning Using Cognitive Distances and Directions. Sensors, 2017, 17, 2828.	3.8	5
122	Scene Recognition for Indoor Localization Using a Multi-Sensor Fusion Approach. Sensors, 2017, 17, 2847.	3.8	53
123	Robust Indoor Mobile Localization with a Semantic Augmented Route Network Graph. ISPRS International Journal of Geo-Information, 2017, 6, 221.	2.9	6
124	A Survey of Crowd Sensing Opportunistic Signals for Indoor Localization. Mobile Information Systems, 2016, 2016, 1-16.	0.6	44
125	Seasonal Mass Changes and Crustal Vertical Deformations Constrained by GPS and GRACE in Northeastern Tibet. Sensors, 2016, 16, 1211.	3.8	26
126	Cotton growth modeling and assessment using unmanned aircraft system visual-band imagery. Journal of Applied Remote Sensing, 2016, 10, 036018.	1.3	39

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127	Reciprocal Estimation of Pedestrian Location and Motion State toward a Smartphone Geo-Context Computing Solution. Micromachines, 2015, 6, 699-717.	2.9	7
128	Inferring Human Activity in Mobile Devices by Computing Multiple Contexts. Sensors, 2015, 15, 21219-21238.	3.8	14
129	The Quasi-Biennial Vertical Oscillations at Global GPS Stations: Identification by Ensemble Empirical Mode Decomposition. Sensors, 2015, 15, 26096-26114.	3.8	22
130	Fast Fingerprint Database Maintenance for Indoor Positioning Based on UGV SLAM. Sensors, 2015, 15, 5311-5330.	3.8	41
131	Long-Term Prediction of the Arctic Ionospheric TEC Based on Time-Varying Periodograms. PLoS ONE, 2014, 9, e111497.	2.5	10
132	Spherical cap harmonic analysis of the Arctic ionospheric TEC for one solar cycle. Journal of Geophysical Research: Space Physics, 2014, 119, 601-619.	2.4	37
133	A context detection approach using GPS module and emerging sensors in smartphone platform. , 2014, , .		7
134	Development of a contextual thinking engine in mobile devices. , 2014, , .		2
135	The uses of ambient light for ubiquitous positioning. , 2014, , .		9
136	Adaptive mobile tracking in unknown non-line-of-sight conditions with application to digital TV networks. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	15
137	Information Filter-Assisted Indoor Bluetooth Positioning. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2014, , 162-177.	0.5	0
138	A two-dimensional pedestrian navigation solution aided with a visual gyroscope and a visual odometer. GPS Solutions, 2013, 17, 575-586.	4.3	32
139	Bayesian Fusion for Indoor Positioning Using Bluetooth Fingerprints. Wireless Personal Communications, 2013, 70, 1735-1745.	2.7	111
140	Electromyography-Based Locomotion Pattern Recognition and Personal Positioning Toward Improved Context-Awareness Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 1216-1227.	9.3	26
141	Human Behavior Cognition Using Smartphone Sensors. Sensors, 2013, 13, 1402-1424.	3.8	118
142	Sound positioning using a small-scale linear microphone array. , 2013, , .		5
143	Using LS-SVM Based Motion Recognition for Smartphone Indoor Wireless Positioning. Sensors, 2012, 12, 6155-6175.	3.8	116
144	Effect of camera characteristics on the accuracy of a visual gyroscope for indoor pedestrian navigation. , 2012, , .		9

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145	Lane detection based on a visual-aided multiple sensors platform. , 2012, , .		1
146	Utilizing building layout for performance optimization of a multi-sensor fusion model in indoor navigation. , 2012, , .		2
147	iParking: An Intelligent Indoor Location-Based Smartphone Parking Service. Sensors, 2012, 12, 14612-14629.	3.8	56
148	The evaluation of WiFi positioning in a Bluetooth and WiFi coexistence environment. , 2012, , .		26
149	Time delay tracking for positioning in DTV networks. , 2012, , .		10
150	A Hybrid Smartphone Indoor Positioning Solution for Mobile LBS. Sensors, 2012, 12, 17208-17233.	3.8	152
151	Motion Restricted Information Filter for Indoor Bluetooth Positioning. International Journal of Embedded and Real-Time Communication Systems, 2012, 3, 54-66.	0.5	8
152	Multi-sensor multi-network seamless positioning with visual aiding. , 2011, , .		13
153	Spherical cap harmonic model for mapping and predicting regional TEC. GPS Solutions, 2011, 15, 109-119.	4.3	83
154	Sensing strides using EMG signal for pedestrian navigation. GPS Solutions, 2011, 15, 161-170.	4.3	28
155	Comparison of EMG-based and Accelerometer-based Speed Estimation Methods in Pedestrian Dead Reckoning. Journal of Navigation, 2011, 64, 265-280.	1.7	31
156	Visual-aided Two-dimensional Pedestrian Indoor Navigation with a Smartphone. The Journal of Global Positioning Systems, 2011, 10, 11-18.	1.6	36
157	A Novel Pedestrian Dead Reckoning Solution Using Motion Recognition Algorithm with Wearable EMG Sensors. The Journal of Global Positioning Systems, 2011, 10, 39-49.	1.6	7
158	An enhanced bit-wise parallel algorithm for real-time GPS software receiver. GPS Solutions, 2010, 14, 133-139.	4.3	6
159	An effective Pedestrian Dead Reckoning algorithm using a unified heading error model. , 2010, , .		50
160	An Inquiry-based Bluetooth indoor positioning approach for the Finnish pavilion at Shanghai World Expo 2010. , 2010, , .		18
161	Method of pedestrian dead reckoning using speed recognition. , 2010, , .		4
162	A Preliminary Study on Mapping the Regional Ionospheric TEC Using a Spherical Cap Harmonic Model in High Latitudes and the Arctic Region. The Journal of Global Positioning Systems, 2010, 9, 22-32.	1.6	18

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163	Assessment of time-series of troposphere zenith delays derived from the Global Data Assimilation System numerical weather model. GPS Solutions, 2009, 13, 109-117.	4.3	32
164	Virtual differential GPS based on SBAS signal. GPS Solutions, 2004, 8, 238-244.	4.3	7
165	Access to the EGNOS signal in space over mobile-IP. GPS Solutions, 2003, 7, 16-22.	4.3	14
166	Introduction to Smart Phone Positioning. , 0, , 1-31.		4
167	Assisted GNSS in Smart Phones. , 0, , 32-43.		0