

# Nobuaki Kubo

## List of Publications by Year in descending order

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59  
papers

859  
citations

567281

15  
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501196

28  
g-index

60  
all docs

60  
docs citations

60  
times ranked

634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protecting GNSS Receivers From Jamming and Interference. Proceedings of the IEEE, 2016, 104, 1327-1338.	21.3	123
2	Multiple Faulty GNSS Measurement Exclusion Based on Consistency Check in Urban Canyons. IEEE Sensors Journal, 2017, 17, 1909-1917.	4.7	85
3	Multipath mitigation and NLOS detection using vector tracking in urban environments. GPS Solutions, 2015, 19, 249-262.	4.3	84
4	Maintaining real-time precise point positioning during outages of orbit and clock corrections. GPS Solutions, 2017, 21, 937-947.	4.3	82
5	Integrity monitoring for Positioning of intelligent transport systems using integrated RTK-GNSS, IMU and vehicle odometer. IET Intelligent Transport Systems, 2018, 12, 901-908.	3.0	47
6	Initial Positioning Assessment of BDS New Satellites and New Signals. Remote Sensing, 2019, 11, 1320.	4.0	41
7	Integrity monitoring of vehicle positioning in urban environment using RTK-GNSS, IMU and speedometer. Measurement Science and Technology, 2017, 28, 055102.	2.6	38
8	Linear time-series modeling of the GNSS based TEC variations over Southwest Japan during 2011-2018 and comparison against ARMA and GIM models. Acta Astronautica, 2019, 165, 248-258.	3.2	32
9	Performance evaluation of GPS augmentation using quasi-zenith satellite system. IEEE Transactions on Aerospace and Electronic Systems, 2004, 40, 1249-1261.	4.7	30
10	Advantage of velocity measurements on instantaneous RTK positioning. GPS Solutions, 2009, 13, 271-280.	4.3	28
11	GNSS Multipath Detection Using Continuous Time-Series C/NO. Sensors, 2020, 20, 4059.	3.8	25
12	Apparent clock and TGD biases between BDS-2 and BDS-3. GPS Solutions, 2020, 24, 1.	4.3	22
13	Performance analysis of GPS augmentation using Japanese Quasi-Zenith Satellite System. Earth, Planets and Space, 2004, 56, 25-37.	2.5	20
14	Mixed GPS-BeiDou RTK with inter-systems bias estimation aided by CSAC. GPS Solutions, 2018, 22, 1.	4.3	20
15	Improvement of Dead Reckoning in Urban Areas Through Integration of Low-Cost Multisensors. IEEE Transactions on Intelligent Vehicles, 2017, 2, 278-287.	12.7	15
16	Autonomous Navigation of a Mobile Robot Based on GNSS/DR Integration in Outdoor Environments. Journal of Robotics and Mechatronics, 2014, 26, 214-224.	1.0	15
17	Calibration and analysis of BDS receiver-dependent code biases. Journal of Geodesy, 2021, 95, 1.	3.6	12
18	Performance Evaluation of IMU and DVL Integration in Marine Navigation. Sensors, 2021, 21, 1056.	3.8	11

#	ARTICLE	IF	CITATIONS
19	Performance Improvement of RTK-GNSS with IMU and Vehicle Speed Sensors in an Urban Environment. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 217-224.	0.3	11
20	Vehicle Teleoperation Using 3D Maps and GPS Time Synchronization. IEEE Computer Graphics and Applications, 2013, 33, 82-88.	1.2	9
21	Efficient Satellite Selection Method for Instantaneous RTK-GNSS in Challenging Environments. Transactions of the Japan Society for Aeronautical and Space Sciences, 2017, 60, 221-229.	0.7	9
22	Contribution of QZSS with four satellites to multi-GNSS long baseline RTK. Journal of Spatial Science, 2020, 65, 41-60.	1.5	8
23	Cooperative relative positioning for intelligent transportation system. , 2012, , .		6
24	Cooperative Relative Positioning for Intelligent Transportation System. International Journal of Intelligent Transportation Systems Research, 2015, 13, 131-142.	1.1	6
25	Evaluation of the Pseudorange Performance by Using Software GPS Receiver. The Journal of Global Positioning Systems, 2005, 4, 215-222.	1.6	6
26	GNSS NLOS Signal Classification Based on Machine Learning and Pseudorange Residual Check. Frontiers in Robotics and AI, 2022, 9, .	3.2	6
27	RTK-GPS Reliability Improvement in Dense Urban Areas. Journal of the Japan Society for Aeronautical and Space Sciences, 2012, 60, 40-47.	0.1	5
28	Precise point positioning for mobile robots using software GNSS receiver and QZSS LEX signal. , 2013, , .		5
29	Performance evaluation of GNSS-based railway applications. , 2015, , .		4
30	Initial performance evaluation of centimeter-class augmentation system using Quasi-Zenith Satellite System. Electronics and Communications in Japan, 2018, 101, 3-10.	0.5	4
31	Integral GPS and QZSS Ambiguity Resolution. Transactions of the Japan Society for Aeronautical and Space Sciences, 2004, 47, 38-43.	0.7	4
32	Performance Evaluation and A New Disaster Prevention System of Precise Point Positioning at Sea. , 0, , .		4
33	Prediction of RTK-GNSS Performance in Urban Environments Using a 3D model and Continuous LoS Method. , 0, , .		4
34	Positioning Simulation Using a 3D Map and Verification of Positional Estimation Accuracy in Urban Areas Using Actual Measurement. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2016, 9, 171-179.	0.3	3
35	Performance Evaluation of Centimeter-Level Augmentation Positioning L6-CLAS/MADOCA at the Beginning of Official Operation of QZSS. IEJ Journal of Industry Applications, 2021, 10, 27-35.	1.1	3
36	<b>Satellite Based Train Positioning Using Three-dimensional Track Maps</b>. Quarterly Report of RTRI (Railway Technical Research Institute) (Japan), 2015, 56, 194-199.	0.4	3

#	ARTICLE	IF	CITATIONS
37	Verification of GNSS multipath and positioning in urban areas using 3D maps. IEICE Communications Express, 2020, 9, 529-534.	0.4	3
38	Real-time monitoring for structure deformations using hand-held RTK-GNSS receivers on the wall. , 2017, , .		2
39	An Improved Method for BDS Inter-frequency Clock Bias Estimation. Lecture Notes in Electrical Engineering, 2019, , 39-48.	0.4	2
40	Reliable Positioning and Journey Planning for Intelligent Transport Systems. , 2020, , .		2
41	Achievement of Continuous Decimeter-Level Accuracy Using Low-Cost Single-Frequency Receivers in Urban Environments. , 0, , .		2
42	Prediction of Fixing of RTK-GNSS Positioning in Multipath Environment Using Radiowave Propagation Simulation. Journal of the Institute of Positioning Navigation and Timing of Japan, 2019, 10, 13-22.	0.2	2
43	Performance Evaluation and Future Application of Real-Time PPP Product in Japan. , 0, , .		2
44	Real-Time Monitoring of Structure Movements Using Low-Cost, Wall-Mounted, Hand-held RTK-GNSS Receivers. , 0, , .		2
45	Development of a Prototyping Platform for Software GPS Receiver. The Journal of Japan Institute of Navigation, 2004, 111, 193-200.	0.1	1
46	Experimental Evaluation of Cooperative Relative Positioning for Intelligent Transportation System. International Journal of Navigation and Observation, 2014, 2014, 1-12.	0.8	1
47	Performance evaluation of the 3D MAP based precise positioning and its application. , 2018, , .		1
48	Comparative evaluation on IMES and the other positioning systems for navigation performance in a ship. Electronics and Communications in Japan, 2019, 102, 36-47.	0.5	1
49	Benefits of Adaptive Kalman Filter-Based Single Point Positioning in Dense Urban Environments. , 0, , .		1
50	Initial Assessment of Medium-Baseline Single-Epoch RTK Using GPS/BeiDou/QZSS. IEICE Transactions on Communications, 2014, E97.B, 1195-1204.	0.7	1
51	Initial Performance Evaluation of cm-class Augmentation System using Quasi-Zenith Satellite System. IEEJ Transactions on Industry Applications, 2018, 138, 173-179.	0.2	1
52	DS-SS modulated extremely weak power radio communications system synchronized by a GPS receiver PPS signal. Electronics and Communications in Japan, 2007, 90, 39-50.	0.1	0
53	Evaluation of GPS Dual Frequency Application Using L2 Civilian Signal. Transactions of the Japan Society for Aeronautical and Space Sciences, 2008, 51, 101-106.	0.7	0
54	Integrity Monitoring for Advanced Driver Assistance Systems. , 0, , .		0

#	ARTICLE	IF	CITATIONS
55	Effect of Inter-system Biases Estimation for Mixed GPS-BeiDou on Ambiguity Resolution. , 0, , .		0
56	Visual Odometry with Dynamic Object Detection by Complementary Integration of Optical Flows and Pattern Recognition. , 0, , .		0
57	Development of Indoor Positioning System using IMES for Smart Phone. IEEJ Transactions on Electronics, Information and Systems, 2018, 138, 193-203.	0.2	0
58	Comparative Evaluation on IMES and the Other Positioning Systems for Navigation Performance in a Ship. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 543-553.	0.2	0
59	Improved Integration Method of Wide-area RTK/PPP with IMU and Odometer. , 0, , .		0