

Y T Jade Morton

List of Publications by Year in descending order

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57
papers

751
citations

623734

14
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580821

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61
all docs

61
docs citations

61
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring and Mitigation of Ionospheric Anomalies for GNSS-Based Safety Critical Systems: A review of up-to-date signal processing techniques. IEEE Signal Processing Magazine, 2017, 34, 96-110.	5.6	71
2	Coherent GNSS Reflection Signal Processing for High-Precision and High-Resolution Spaceborne Applications. IEEE Transactions on Geoscience and Remote Sensing, 2020, , 1-12.	6.3	70
3	Comparative Studies of GPS Multipath Mitigation Methods Performance. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1555-1568.	4.7	65
4	Application of Neural Network to GNSS-R Wind Speed Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9756-9766.	6.3	52
5	Multipath Estimating Delay Lock Loop for LTE Signal TOA Estimation in Indoor and Urban Environments. IEEE Transactions on Wireless Communications, 2020, 19, 5518-5530.	9.2	41
6	Equatorial Scintillation Amplitude Fading Characteristics Across the GPS Frequency Bands. Navigation, Journal of the Institute of Navigation, 2016, 63, 267-281.	2.8	38
7	An Analysis of Low-Latitude Ionospheric Scintillation and Its Effects on Precise Point Positioning. The Journal of Global Positioning Systems, 2012, 11, 22-32.	1.6	34
8	Global View of Ionospheric Disturbance Impacts on Kinematic GPS Positioning Solutions During the 2015 St. Patrick's Day Storm. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027681.	2.4	32
9	A State-Based Method to Simultaneously Reduce Cycle Slips and Noise in Coherent GNSS-R Phase Measurements From Open-Loop Tracking. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8873-8884.	6.3	20
10	A compact multi-frequency GNSS scintillation model. Navigation, Journal of the Institute of Navigation, 2018, 65, 563-569.	2.8	19
11	Performance comparison of time-of-arrival estimation techniques for LTE signals in realistic multipath propagation channels. Navigation, Journal of the Institute of Navigation, 2020, 67, 691-712.	2.8	19
12	A Semi-Open Loop GNSS Carrier Tracking Algorithm for Monitoring Strong Equatorial Scintillation. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 722-738.	4.7	18
13	Markov Chain-Based Stochastic Modeling of Deep Signal Fading: Availability Assessment of Dual-Frequency GNSS-Based Aviation Under Ionospheric Scintillation. Space Weather, 2021, 19, e2020SW002655.	3.7	18
14	GPS L1CA/BDS B1I Multipath Channel Measurements and Modeling for Dynamic Land Vehicle in Shanghai Dense Urban Area. IEEE Transactions on Vehicular Technology, 2020, 69, 14247-14263.	6.3	17
15	On Inconsistent ROTI Derived From Multiconstellation GNSS Measurements of Globally Distributed GNSS Receivers for Ionospheric Irregularities Characterization. Radio Science, 2019, 54, 215-232.	1.6	15
16	Introduction to the special issue on the BeiDou navigation system. Navigation, Journal of the Institute of Navigation, 2019, 66, 3-5.	2.8	12
17	Stochastic TEC Structure Characterization. Journal of Geophysical Research: Space Physics, 2019, 124, 10571-10579.	2.4	12
18	Low-latitude GNSS ionospheric scintillation dependence on magnetic field orientation and impacts on positioning. Journal of Geodesy, 2020, 94, 1.	3.6	12

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19	Phase Coherence of GPS Signal Land Reflections and its Dependence on Surface Characteristics. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	12
20	Coherent GNSS-Reflections Characterization Over Ocean and Sea Ice Based on Spire Global CubeSat Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	12
21	Automatic detection of ionospheric scintillation-like GNSS satellite oscillator anomaly using a machine-learning algorithm. Navigation, Journal of the Institute of Navigation, 2020, 67, 651-662.	2.8	11
22	Machine Learning Prediction of Storm-Time High-Latitude Ionospheric Irregularities From GNSS-Derived ROTI Maps. Geophysical Research Letters, 2021, 48, e2021GL095561.	4.0	11
23	Application of machine learning to the characterization of GPS L1 ionospheric amplitude scintillation. , 2018, , .		10
24	Ionospheric Total Electron Content and Disturbance Observations From Space-Borne Coherent GNSS-R Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	10
25	River Slope Observation From Spaceborne GNSS-R Carrier Phase Measurements: A Case Study. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	10
26	An improved adaptive multi-frequency GPS carrier tracking algorithm for navigation in challenging environments. , 2018, , .		8
27	Coherent GPS Reflections Over Ocean Surface. , 2020, , .		8
28	GPS navigation data bit decoding error during strong equatorial scintillation. GPS Solutions, 2018, 22, 1.	4.3	7
29	Keynote: Mountain-top Radio Occultation with Multi-GNSS Signals: Experiment and Preliminary Results. , 0, , .		7
30	New Results on Ionospheric Irregularity Drift Velocity Estimation Using Multi-GNSS Spaced-Receiver Array During High-Latitude Phase Scintillation. Radio Science, 2018, 53, 228-240.	1.6	6
31	A two-parameter multifrequency GPS signal simulator for strong equatorial ionospheric scintillation: modeling and parameter characterization. Navigation, Journal of the Institute of Navigation, 2020, 67, 181-195.	2.8	6
32	Detection of Coherent GNSS-R Measurements Using a Support Vector Machine. , 2020, , .		6
33	Simulation and tracking algorithm evaluation for scintillation signals on LEO satellites traveling inside the ionosphere. , 2018, , .		4
34	Coherent Reflections Using Closed-Loop PLL Processing of CYGNSS IF Data. , 2019, , .		4
35	A Machine Learning Framework for Real Data Gns-R Wind Speed Retrieval. , 2019, , .		4
36	Characterization and mitigation of interference between GNSS radio occultation and reflectometry signals for low-altitude occultations. Navigation, Journal of the Institute of Navigation, 2020, 67, 537-546.	2.8	4

#	ARTICLE	IF	CITATIONS
37	Kalman Filter-Based Robust Closed-Loop Carrier Tracking of Airborne GNSS Radio-Occultation Signals. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3384-3393.	4.7	4
38	A New GNSS Scintillation Model. , 0, , .		4
39	Artificial Ionospheric GPS Phase Scintillation Excited During High-Power Radiowave Modulation of the Ionosphere. Radio Science, 2018, 53, 775-789.	1.6	3
40	Planetary Boundary Layer Height Detection Using Mountaintop-Based GNSS Radio Occultation Signal Amplitude. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4332-4348.	6.3	3
41	Coherent and Semi-coherent Spaceborne GNSS-R for Land Surface Altimetry Applications. , 0, , .		3
42	Arctic TEC Mapping Using Integrated LEO-Based GNSS-R and Ground-Based GNSS Observations: A Simulation Study. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	3
43	A Hybrid Correlation Model for the Spaced-Receiver Technique. Radio Science, 2019, 54, 281-297.	1.6	2
44	Triple-Frequency GNSS Cycle Slip Detection Performance in the Presence of Diffractive Ionosphere Scintillation. , 2020, , .		2
45	Spacial Gradient Based TEC Estimation Algorithm with Code Noise Multipath Correction Evaluation Using Simultaneous Incoherent Scatter Radar Measurements. , 0, , .		2
46	Evaluation of GNSS-R Retrieved Sea Ice Surface Height Using ICESat-2 Ice Freeboard Measurements. , 2021, , .		2
47	GPS Signal Land Reflection Coherence Dependence on Water Extent and Surface Topography using Cygnss Measurements. , 2020, , .		2
48	Mesosphere and Lower Thermosphere Changes Associated With the 2 July 2019 Total Eclipse in South America Over the Andes Lidar Observatory, Cerro Pachon, Chile. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	2
49	Horizontal Drift Velocity and Dimensions of Ionospheric Irregularities Using ROT From a GNSS Receiver Array. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	2
50	GNSS signal phase, TEC, and phase unwrapping errors. Navigation, Journal of the Institute of Navigation, 2020, 67, 865-873.	2.8	1
51	Mapping Irregularities in the Postsunset Equatorial Ionosphere With an Expanded Network of HF Beacons. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029229.	2.4	1
52	Performance of Cycle Slip Filtering Algorithm During Ionosphere Scintillation. , 0, , .		1
53	A Batch Algorithm for GNSS Carrier Phase Cycle Slip Correction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-24.	6.3	1
54	Impact Analysis of Intercell Interference in Cellular Networks for Navigation Applications. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 685-694.	4.7	1

#	ARTICLE	IF	CITATIONS
55	Simulation Study of the Common Surface Scenario in GNSS-Reflectometry. , 2018, , .		0
56	Mountaintop Ocean Reflectometry with Dual Frequency GPS Signals: Experiment and Preliminary Results. , 2018, , .		0
57	Coherent GNSS Reflection Signal Processing for Precision Altimetry Applications. , 2020, , .		0