

Jin Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2921265/publications.pdf>

Version: 2024-02-01

40
papers

253
citations

1040056

9
h-index

1125743

13
g-index

40
all docs

40
docs citations

40
times ranked

75
citing authors

#	ARTICLE	IF	CITATIONS
1	The SSA-BP-based potential threat prediction for aerial target considering commander emotion. Defence Technology, 2022, 18, 2097-2106.	4.2	13
2	Celestial Spectrum Velocimetry With Non-Linear Fourier Phase Shift and Its CRLB. IEEE Access, 2022, 10, 23321-23332.	4.2	0
3	INS/CNS/DNS/XNAV deep integrated navigation in a highly dynamic environment. Aircraft Engineering and Aerospace Technology, 2022, 95, 180.	1.2	0
4	Mars's Moons-Induced Time Dispersion Analysis for Solar TDOA Navigation. Journal of Navigation, 2021, 74, 188-211.	1.7	2
5	Real-time and accurate pulsar time-of-arrival estimation using GA-optimized EMD-CS. Optik, 2021, 225, 165871.	2.9	4
6	Solar-direct/planet-reflected light TDOA estimation method against time dispersion effects. Optik, 2021, 231, 166368.	2.9	0
7	Quick X-ray pulsar positioning and velocimetry approach based on quantum CS. Optik, 2021, 241, 166649.	2.9	2
8	Real-Time and Highly Accurate Solar Spectrum Velocimetry Using the Mirror NDFT-CS for Doppler Navigation. Journal of Aerospace Engineering, 2021, 34, .	1.4	3
9	Accuracy Analysis of Spectral Velocimetry for the Solar Doppler Difference Navigation. IEEE Access, 2021, 9, 78075-78082.	4.2	3
10	SNR estimation for X-ray pulsar based on wavelet-aided random forest. , 2021, , .		0
11	DeepLabV3+/Efficientnet Hybrid Network-Based Scene Area Judgment for the Mars Unmanned Vehicle System. Sensors, 2021, 21, 8136.	3.8	8
12	A fast pulse time-delay estimation method for X-ray pulsars based on wavelet-bispectrum. Optik, 2020, 207, 163790.	2.9	5
13	Modeling and analysis of solar Doppler difference bias with arbitrary rotation axis. Chinese Journal of Aeronautics, 2020, 33, 3331-3343.	5.3	11
14	Solar TDOA/Doppler Difference Joint Observation Navigation for the Approach Phase of Mars Exploration. International Journal of Aeronautical and Space Sciences, 2020, 21, 836-844.	2.0	3
15	Fast Butterfly Epoch Folding-Based X-Ray Pulsar Period Estimation With a Few Distorted Profiles. IEEE Access, 2020, 8, 4211-4219.	4.2	6
16	Modelling and analysis of celestial Doppler difference velocimetry navigation considering solar characteristics. IET Radar, Sonar and Navigation, 2020, 14, 1897-1904.	1.8	4
17	Pulsar candidate selection based on self-normalizing neural networks. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 069701.	0.5	4
18	Solid-state phase transformation of TC11 titanium during unstable thermal cycling in laser melting deposition process. Journal of Iron and Steel Research International, 2019, 26, 743-750.	2.8	5

#	ARTICLE	IF	CITATIONS
19	Geometric Coplanar Constraints-Aided Autonomous Celestial Navigation for Spacecraft in Deep Space Exploration. IEEE Access, 2019, 7, 112424-112434.	4.2	12
20	Solar TDOA measurement and integrated navigation for formation flying. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 4635-4645.	1.3	4
21	Similar Hadamard-based compressive sensing and its application in pulsar TOA estimation. Optik, 2019, 197, 163270.	2.9	5
22	High-accuracy pulsar time delay estimation using an FrFT-based GCC. Optik, 2019, 181, 611-618.	2.9	3
23	Fast CS-based pulsar period estimation method without tentative epoch folding and its CRLB. Acta Astronautica, 2019, 160, 90-100.	3.2	15
24	Geometry Error Analysis in Solar Doppler Difference Navigation for the Capture Phase. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2556-2567.	4.7	23
25	Direction/Distance/Velocity Measurements Deeply Integrated Navigation for Venus Capture Period. Journal of Navigation, 2018, 71, 861-877.	1.7	7
26	Implicit Augmented UKF and Its Application to the Stellar Refraction Navigation. Journal of Aerospace Engineering, 2018, 31, 04018039.	1.4	3
27	Fractional differentiation-based observability analysis method for nonlinear X-ray pulsar navigation system. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 1467-1478.	1.3	2
28	Adaptive pulsar time delay estimation using wavelet-based RLS. Optik, 2018, 171, 266-276.	2.9	7
29	Structured condition number and its application in celestial navigation system with variable observability degree. IET Science, Measurement and Technology, 2018, 12, 182-192.	1.6	3
30	Fast time-delay measurement for integrated pulsar pulse profiles. Aircraft Engineering and Aerospace Technology, 2017, 89, 297-303.	1.2	1
31	Solar Flare TDOA Navigation Method Using Direct and Reflected Light for Mars Exploration. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2469-2484.	4.7	12
32	Solar Frequency Shift-Based Radial Velocity Difference Measurement for Formation Flight and Its Integrated Navigation. Journal of Aerospace Engineering, 2017, 30, 04017049.	1.4	7
33	Observation range-based compressive sensing and its application in TOA estimation with low-flux pulsars. Optik, 2017, 148, 256-267.	2.9	5
34	Fast Position and Velocity Determination for Pulsar Navigation Using NML and LSM. Chinese Journal of Electronics, 2017, 26, 1325-1329.	1.5	5
35	X-ray pulsars time delay estimation using GSO-based bispectral feature points. Optik, 2016, 127, 5050-5054.	2.9	5
36	Star selection strategy using measurement coupling matrix in starlight Doppler-based integrated navigation system. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 1114-1125.	1.3	6

#	ARTICLE	IF	CITATIONS
37	X-ray pulsar/Doppler difference integrated navigation for deep space exploration with unstable solar spectrum. <i>Aerospace Science and Technology</i> , 2015, 41, 144-150.	4.8	28
38	Fast non-linearly constrained least square joint estimation of position and velocity for X-ray pulsar-based navigation. <i>IET Radar, Sonar and Navigation</i> , 2014, 8, 1154-1163.	1.8	11
39	Closed-loop EKF-based Pulsar Navigation for Mars Explorer with Doppler Effects. <i>Journal of Navigation</i> , 2014, 67, 776-790.	1.7	14
40	DMS-SK/BLSTM-CTC Hybrid Network for Gesture/Speech Fusion and Its Application in Lunar Robot-Astronauts Interaction. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 0, , .	1.2	2