

Jin Liu

List of Publications by Year in descending order

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40
papers

253
citations

1040056

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40
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Geometry Error Analysis in Solar Doppler Difference Navigation for the Capture Phase. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019, 55, 2556-2567.	4.7	23
3	Fast CS-based pulsar period estimation method without tentative epoch folding and its CRLB. <i>Acta Astronautica</i> , 2019, 160, 90-100.	3.2	15
4	Closed-loop EKF-based Pulsar Navigation for Mars Explorer with Doppler Effects. <i>Journal of Navigation</i> , 2014, 67, 776-790.	1.7	14
5	The SSA-BP-based potential threat prediction for aerial target considering commander emotion. <i>Defence Technology</i> , 2022, 18, 2097-2106.	4.2	13
6	Solar Flare TDOA Navigation Method Using Direct and Reflected Light for Mars Exploration. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2017, 53, 2469-2484.	4.7	12
7	Geometric Coplanar Constraints-Aided Autonomous Celestial Navigation for Spacecraft in Deep Space Exploration. <i>IEEE Access</i> , 2019, 7, 112424-112434.	4.2	12
8	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
9	Modeling and analysis of solar Doppler difference bias with arbitrary rotation axis. <i>Chinese Journal of Aeronautics</i> , 2020, 33, 3331-3343.	5.3	11
10	DeepLabV3+/Efficientnet Hybrid Network-Based Scene Area Judgment for the Mars Unmanned Vehicle System. <i>Sensors</i> , 2021, 21, 8136.	3.8	8
11	Solar Frequency Shift-Based Radial Velocity Difference Measurement for Formation Flight and Its Integrated Navigation. <i>Journal of Aerospace Engineering</i> , 2017, 30, 04017049.	1.4	7
12	Direction/Distance/Velocity Measurements Deeply Integrated Navigation for Venus Capture Period. <i>Journal of Navigation</i> , 2018, 71, 861-877.	1.7	7
13	Adaptive pulsar time delay estimation using wavelet-based RLS. <i>Optik</i> , 2018, 171, 266-276.	2.9	7
14	Star selection strategy using measurement coupling matrix in starlight Doppler-based integrated navigation system. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2016, 230, 1114-1125.	1.3	6
15	Fast Butterfly Epoch Folding-Based X-Ray Pulsar Period Estimation With a Few Distorted Profiles. <i>IEEE Access</i> , 2020, 8, 4211-4219.	4.2	6
16	X-ray pulsars time delay estimation using GSO-based bispectral feature points. <i>Optik</i> , 2016, 127, 5050-5054.	2.9	5
17	Observation range-based compressive sensing and its application in TOA estimation with low-flux pulsars. <i>Optik</i> , 2017, 148, 256-267.	2.9	5
18	Fast Position and Velocity Determination for Pulsar Navigation Using NML and LSM. <i>Chinese Journal of Electronics</i> , 2017, 26, 1325-1329.	1.5	5

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19	Solid-state phase transformation of TC11 titanium during unstable thermal cycling in laser melting deposition process. <i>Journal of Iron and Steel Research International</i> , 2019, 26, 743-750.	2.8	5
20	Similar Hadamard-based compressive sensing and its application in pulsar TOA estimation. <i>Optik</i> , 2019, 197, 163270.	2.9	5
21	A fast pulse time-delay estimation method for X-ray pulsars based on wavelet-bispectrum. <i>Optik</i> , 2020, 207, 163790.	2.9	5
22	Solar TDOA measurement and integrated navigation for formation flying. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 4635-4645.	1.3	4
23	Real-time and accurate pulsar time-of-arrival estimation using GA-optimized EMD-CS. <i>Optik</i> , 2021, 225, 165871.	2.9	4
24	Modelling and analysis of celestial Doppler difference velocimetry navigation considering solar characteristics. <i>IET Radar, Sonar and Navigation</i> , 2020, 14, 1897-1904.	1.8	4
25	Pulsar candidate selection based on self-normalizing neural networks. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 069701.	0.5	4
26	Implicit Augmented UKF and Its Application to the Stellar Refraction Navigation. <i>Journal of Aerospace Engineering</i> , 2018, 31, 04018039.	1.4	3
27	Structured condition number and its application in celestial navigation system with variable observability degree. <i>IET Science, Measurement and Technology</i> , 2018, 12, 182-192.	1.6	3
28	High-accuracy pulsar time delay estimation using an FrFT-based GCC. <i>Optik</i> , 2019, 181, 611-618.	2.9	3
29	Solar TDOA/Doppler Difference Joint Observation Navigation for the Approach Phase of Mars Exploration. <i>International Journal of Aeronautical and Space Sciences</i> , 2020, 21, 836-844.	2.0	3
30	Real-Time and Highly Accurate Solar Spectrum Velocimetry Using the Mirror NDFT-CS for Doppler Navigation. <i>Journal of Aerospace Engineering</i> , 2021, 34, .	1.4	3
31	Accuracy Analysis of Spectral Velocimetry for the Solar Doppler Difference Navigation. <i>IEEE Access</i> , 2021, 9, 78075-78082.	4.2	3
32	Fractional differentiation-based observability analysis method for nonlinear X-ray pulsar navigation system. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2018, 232, 1467-1478.	1.3	2
33	Mars's Moons-Induced Time Dispersion Analysis for Solar TDOA Navigation. <i>Journal of Navigation</i> , 2021, 74, 188-211.	1.7	2
34	Quick X-ray pulsar positioning and velocimetry approach based on quantum CS. <i>Optik</i> , 2021, 241, 166649.	2.9	2
35	DMS-SK/BLSTM-CTC Hybrid Network for Gesture/Speech Fusion and Its Application in Lunar Robot's Astronauts Interaction. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 0, , .	1.2	2
36	Fast time-delay measurement for integrated pulsar pulse profiles. <i>Aircraft Engineering and Aerospace Technology</i> , 2017, 89, 297-303.	1.2	1

#	ARTICLE	IF	CITATIONS
37	Solar-direct/planet-reflected light TDOA estimation method against time dispersion effects. Optik, 2021, 231, 166368.	2.9	0
38	SNR estimation for X-ray pulsar based on wavelet-aided random forest. , 2021, , .		0
39	Celestial Spectrum Velocimetry With Non-Linear Fourier Phase Shift and Its CRLB. IEEE Access, 2022, 10, 23321-23332.	4.2	0
40	INS/CNS/DNS/XNAV deep integrated navigation in a highly dynamic environment. Aircraft Engineering and Aerospace Technology, 2022, 95, 180.	1.2	0