Luping Xu

List of Publications by Year
in descending order

63 papers	**1,063** citations	686830 **13** h-index	433756 **31** g-index
64 all docs	**64** docs citations	**64** times ranked	**1342** citing authors

#	Article	IF	Citations
1	Radar Communication Integrated Waveform Design Based on OFDM and Circular Shift Sequence. Mathematical Problems in Engineering, 2017, 2017, 1-10.	0.6	524
2	SnO2/ZnSnO3 double-shelled hollow microspheres based high-performance acetone gas sensor. Sensors and Actuators B: Chemical, 2021, 332, 129212.	4.0	62
3	Ultrasonic spray pyrolysis synthesis of three-dimensional ZnFe2O4-based macroporous spheres for excellent sensitive acetone gas sensor. Sensors and Actuators B: Chemical, 2019, 297, 126755.	4.0	60
4	High specific surface area urchin-like hierarchical ZnO-TiO 2 architectures: Hydrothermal synthesis and photocatalytic properties. Materials Letters, 2016, 175, 52-55.	1.3	39
5	Trackâ€beforeâ€detect algorithm based on dynamic programming for multiâ€extendedâ€targets detection. IET Signal Processing, 2017, 11, 674-686.	0.9	33
6	Enhanced acetone sensing properties based on in situ growth SnO_2 nanotube arrays. Nanotechnology, 2021, 32, 245503.	1.3	21
7	Modeling and Doppler measurement of X-ray pulsar. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1068-1076.	2.0	19
8	Image Denoising Using Hybrid Contourlet and Bandelet Transforms. , 2007, , .		18
9	Improved centroid extraction algorithm for autonomous star sensor. IET Image Processing, 2015, 9, 901-907.	1.4	18
10	A fast method for X-ray pulsar signal simulation. Acta Astronautica, 2014, 98, 189-200.	1.7	17
11	SAR Image Segmentation Based on Improved Grey Wolf Optimization Algorithm and Fuzzy C-Means. Mathematical Problems in Engineering, 2018, 2018, 1-11.	0.6	15
12	Design of SnO2@Air@TiO2 hierarchical urchin-like double-hollow nanospheres for high performance dye-sensitized solar cells. Solar Energy, 2019, 189, 412-420.	2.9	15
13	A Three-Dimensional Hough Transform-Based Track-Before-Detect Technique for Detecting Extended Targets in Strong Clutter Backgrounds. Sensors, 2019, 19, 881.	2.1	15
14	Multiple maneuvering extended targets detection by 3D projection and tracklet association. Signal Processing, 2021, 179, 107821.	2.1	15
15	An improved phase measurement method of integrated pulse profile for pulsar. Science China Technological Sciences, 2011, 54, 2263-2270.	2.0	14
16	An improved partitioning algorithm based on FCM algorithm for extended target tracking in PHD filter. , 2019, 90, 54-70.		13
17	A Target Detection and Tracking Method for Multiple Radar Systems. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	2.7	13
18	3D TiO_2/ZnO composite nanospheres as an excellent electron transport anode for efficient dye-sensitized solar cells. RSC Advances, 2016, 6, 51320-51326.	1.7	11

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19	A Carrier Estimation Method Based on MLE and KF for Weak GNSS Signals. Sensors, 2017, 17, 1468.	2.1	11
20	Two-parameter Hong-Ou-Mandel dip. Scientific Reports, 2019, 9, 10821.	1.6	10
21	An Autonomous Star Identification Algorithm Based on One-Dimensional Vector Pattern for Star Sensors. Sensors, 2015, 15, 16412-16429.	2.1	9
22	Novel X-ray Communication Based XNAV Augmentation Method Using X-ray Detectors. Sensors, 2015, 15, 22325-22342.	2.1	9
23	A blind watermarking of vector graphics images. , 0, , .		8
24	Clustered Multi-Task Learning for Automatic Radar Target Recognition. Sensors, 2017, 17, 2218.	2.1	7
25	Orbit Determination Using Pulsar Timing Data and Orientation Vector. Journal of Navigation, 2019, 72, 155-175.	1.0	7
26	Pulsar profile construction algorithm based on compressed sensing. Scientia Sinica: Physica, Mechanica Et Astronomica, 2011, 41, 681-684.	0.2	7
27	Relative orbit determination for satellite formation flying based on quantum ranging. Advances in Space Research, 2015, 56, 680-692.	1.2	6
28	Improved plot fusion method for dynamic programming based track before detect algorithm. AEU - International Journal of Electronics and Communications, 2017, 74, 31-43.	1.7	6
29	An efficient extended target detection method based on region growing and contour tracking algorithm. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 825-836.	0.7	6
30	Constructing routing structures for sensor data collection with dynamic traffic patterns. Computer Networks, 2018, 142, 272-290.	3.2	6
31	A sparse representation-based optimization algorithm for measuring the time delay of pulsar integrated pulse profile. Aerospace Science and Technology, 2015, 46, 94-103.	2.5	5
32	A Novel Smooth Variable Structure Smoother for Robust Estimation. Sensors, 2020, 20, 1781.	2.1	5
33	An Improved Acquisition Method for GNSS in High Dynamic Environments: Differential Acquisition Based on Compressed Sensing Theory. Navigation, Journal of the Institute of Navigation, 2017, 64, 23-34.	1.7	4
34	An Efficient Extended Targets Detection Framework Based on Sampling and Spatio-Temporal Detection. Sensors, 2019, 19, 2912.	2.1	4
35	Experimental investigation on radiation characteristics of RF electromagnetic pulse from atmospheric spark discharge plasma. Physics of Plasmas, 2019, 26, 043301.	0.7	4
36	Exclusive Hong-Ou-Mandel zero-coincidence point. Physical Review A, 2019, 100, .	1.0	4

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37	Adaptive Segmentation of Remote Sensing Images Based on Global Spatial Information. Sensors, 2019, 19, 2385.	2.1	3
38	Ultrawideband Discharge Source DOA Estimation Method Using Multiple Baseline Wideband Time-Domain Interferometry with Hilbert Transform. Mathematical Problems in Engineering, 2020, 2020, 1-13.	0.6	3
39	Relative navigation using pulsar signals. , 2011, , .		2
40	Implement of Digital PID Controller Based on FPGA and the System Co-simulation. , 2011, , .		2
41	High sensitivity and robustness carrier€tracking loop for vehicular applications. IET Science, Measurement and Technology, 2017, 11, 914-920.	0.9	2
42	A new strategy of smooth variable structure filter to estimate unmeasured states in target tracking. , 2022, 123, 103428.		2
43	A Novel 4D Track-before-Detect Approach for Weak Targets Detection in Clutter Regions. Remote Sensing, 2021, 13, 4942.	1.8	2
44	Improved Genetic FCM Algorithm for Color Image Segmentation. , 2006, , .		1
45	X-ray pulsar signal detection using photon interarrival time. Journal of Systems Engineering and Electronics, 2013, 24, 899-905.	1.1	1
46	Code acquisition method based on wavelet transform filtering. Journal of Systems Engineering and Electronics, 2015, 26, 1169-1176.	1.1	1
47	Doppler shift and ambiguity velocity caused by relative motion in quantum-enhanced measurement. Optics Express, 2015, 23, 18445.	1.7	1
48	Performance optimization for quantum key distribution in lossy channel using entangled photons. Chinese Physics B, 2017, 26, 110305.	0.7	1
49	A 2-step GPS carrier tracking loop for urban vehicle applications. Journal of Systems Engineering and Electronics, 2017, 28, 817-826.	1.1	1
50	Median Access Control Protocols for Sensor Data Collection: A Review. IEEE Access, 2020, 8, 160078-160098.	2.6	1
51	<title>New algorithm of classified vector quantization based on wavelet transform for image coding</title>. , 2001, 4551, 183.		0
52	A method or radar targets position acquisition based on Possibilistic C_means algorithm. , 2006, , .		0
53	Multiresolutional Maneuvering Target Tracking with Average Interpolation and Parallel Implementation. , 2006, , .		0
54	Spatial fusion algorithm of multispectral and high-resolution panchromatic images. , 2007, , .		0

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55	Edge detection and contour tracing of medical cell images. , 2007, , .		0
56	DCT domain filtering method for multi-antenna code acquisition. Journal of Systems Engineering and Electronics, 2013, 24, 734-741.	1.1	0
57	Maximal-minimal correlation atoms algorithm for sparse recovery. Journal of Systems Engineering and Electronics, 2013, 24, 579-585.	1.1	0
58	Independent feature subspace iterative optimization based fuzzy clustering for synthetic aperture radar image segmentation. Journal of Applied Remote Sensing, 2015, 9, 095060.	0.6	0
59	Solution to some limitations of frequency-entangled-based sensor applied in GRACE-like mission. Advances in Space Research, 2016, 57, 867-879.	1.2	0
60	Experiment on Direction of Arrival Estimation of Atmospheric Spark Discharge Plasma Using Combined Time-Domain Antenna. International Journal of Antennas and Propagation, 2020, 2020, 1-11.	0.7	0
61	Performance Improvement of Attitude Estimation via X-Ray Pulsar for the Spin-Stabilized Spacecrafts. Lecture Notes in Electrical Engineering, 2012, , 541-550.	0.3	0
62	MAP Pulse Phase Estimation of X-ray Pulsars. Lecture Notes in Electrical Engineering, 2012, , 605-615.	0.3	0
63	An Orbit Determination Algorithm for Spacecrafts Navigated by a Single X-Ray Pulsar. Lecture Notes in Electrical Engineering, 2015, , 703-715.	0.3	0