

# Jinya Su

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,966  
citations

304368

22  
h-index

377514

34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1641  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extended state observer-based nonsingular terminal sliding mode controller for a DC-DC buck converter with disturbances: theoretical analysis and experimental verification. <i>International Journal of Control</i> , 2023, 96, 1661-1671.	1.2	8
2	Spectral analysis and mapping of blackgrass weed by leveraging machine learning and UAV multispectral imagery. <i>Computers and Electronics in Agriculture</i> , 2022, 192, 106621.	3.7	27
3	Snow Coverage Mapping by Learning from Sentinel-2 Satellite Multispectral Images via Machine Learning Algorithms. <i>Remote Sensing</i> , 2022, 14, 782.	1.8	8
4	Nonlinear ESO-based vibration control for an all-clamped piezoelectric plate with disturbances and time delay: Design and hardware implementation. <i>Journal of Intelligent Material Systems and Structures</i> , 2022, 33, 2321-2335.	1.4	7
5	UAV spraying on citrus crop: impact of tank-mix adjuvant on the contact angle and droplet distribution. <i>PeerJ</i> , 2022, 10, e13064.	0.9	7
6	UAV Multispectral Remote Sensing for Yellow Rust Mapping: Opportunities and Challenges. <i>Smart Agriculture</i> , 2022, , 107-122.	0.3	3
7	Aerial Visual Perception in Smart Farming: Field Study of Wheat Yellow Rust Monitoring. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 2242-2249.	7.2	96
8	State and parameter estimation of the AquaCrop model for winter wheat using sensitivity informed particle filter. <i>Computers and Electronics in Agriculture</i> , 2021, 180, 105909.	3.7	19
9	Active disturbance rejection vibration control for an all-clamped piezoelectric plate with delay. <i>Control Engineering Practice</i> , 2021, 108, 104719.	3.2	34
10	Ir-UNet: Irregular Segmentation U-Shape Network for Wheat Yellow Rust Detection by UAV Multispectral Imagery. <i>Remote Sensing</i> , 2021, 13, 3892.	1.8	17
11	Probabilistic faster R-CNN with stochastic region proposing: Towards object detection and recognition in remote sensing imagery. <i>Neurocomputing</i> , 2021, 459, 290-301.	3.5	25
12	Sentinel-2 Satellite Imagery for Urban Land Cover Classification by Optimized Random Forest Classifier. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 543.	1.3	50
13	Implicit Personalization in Driving Assistance: State-of-the-Art and Open Issues. <i>IEEE Transactions on Intelligent Vehicles</i> , 2020, 5, 397-413.	9.4	31
14	Wheat Stripe Rust Grading by Deep Learning With Attention Mechanism and Images From Mobile Devices. <i>Frontiers in Plant Science</i> , 2020, 11, 558126.	1.7	62
15	Machine Learning-Based Crop Drought Mapping System by UAV Remote Sensing RGB Imagery. <i>Unmanned Systems</i> , 2020, 08, 71-83.	2.7	36
16	Experimental evaluation of UAV spraying for peach trees of different shapes: Effects of operational parameters on droplet distribution. <i>Computers and Electronics in Agriculture</i> , 2020, 170, 105282.	3.7	63
17	Bayesian calibration of AquaCrop model for winter wheat by assimilating UAV multi-spectral images. <i>Computers and Electronics in Agriculture</i> , 2019, 167, 105052.	3.7	25
18	Spatio-temporal monitoring of wheat yellow rust using UAV multispectral imagery. <i>Computers and Electronics in Agriculture</i> , 2019, 167, 105035.	3.7	60

#	ARTICLE	IF	CITATIONS
19	A machine learning based personalized system for driving state recognition. Transportation Research Part C: Emerging Technologies, 2019, 105, 241-261.	3.9	64
20	New Driver Workload Prediction Using Clustering-Aided Approaches. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 64-70.	5.9	11
21	Model-Based Fault Diagnosis System Verification Using Reachability Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 742-751.	5.9	38
22	Personalized Driver Workload Inference by Learning From Vehicle Related Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 159-168.	5.9	29
23	Locust Recognition and Detection via Aggregate Channel Features. , 2019, , .		8
24	Bayesian Calibration of AquaCrop Model. , 2018, , .		1
25	Wheat yellow rust monitoring by learning from multispectral UAV aerial imagery. Computers and Electronics in Agriculture, 2018, 155, 157-166.	3.7	180
26	Further results on "Reduced order disturbance observer for discrete-time linear systems". Automatica, 2018, 93, 550-553.	3.0	21
27	Disturbance Observer Based Control with Anti-Windup Applied to a Small Fixed Wing UAV for Disturbance Rejection. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 329-346.	2.0	56
28	Dimension Reduction Aided Hyperspectral Image Classification with a Small-sized Training Dataset: Experimental Comparisons. Sensors, 2017, 17, 2726.	2.1	35
29	On Relationship Between Time-Domain and Frequency-Domain Disturbance Observers and Its Applications. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	0.9	51
30	Fault diagnosis for vehicle lateral dynamics with robust threshold. , 2016, , .		8
31	Reduced-order disturbance observer design for discrete-time linear stochastic systems. Transactions of the Institute of Measurement and Control, 2016, 38, 657-664.	1.1	12
32	On existence, optimality and asymptotic stability of the Kalman filter with partially observed inputs. Automatica, 2015, 53, 149-154.	3.0	62
33	Recursive filter with partial knowledge on inputs and outputs. International Journal of Automation and Computing, 2015, 12, 35-42.	4.5	3
34	Simultaneous state and input estimation with partial information on the inputs. Systems Science and Control Engineering, 2015, 3, 445-452.	1.8	8
35	High order disturbance observer design for linear and nonlinear systems. , 2015, , .		15
36	Nonlinear state estimation with nonlinear equality constraints. , 2014, , .		1

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37	High-Order Mismatched Disturbance Compensation for Motion Control Systems Via a Continuous Dynamic Sliding-Mode Approach. IEEE Transactions on Industrial Informatics, 2014, 10, 604-614.	7.2	233
38	Continuous finite-time anti-disturbance control for a class of uncertain nonlinear systems. Transactions of the Institute of Measurement and Control, 2014, 36, 300-311.	1.1	42
39	Disturbance observer based fault diagnosis. , 2014, , .		7
40	Continuous nonsingular terminal sliding mode control for systems with mismatched disturbances. Automatica, 2013, 49, 2287-2291.	3.0	503