

# Jin-Ya Su

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,297  
citations

257101

24  
h-index

243296

44  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1975  
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	Improving Synthetic to Realistic Semantic Segmentation With Parallel Generative Ensembles for Autonomous Urban Driving. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2022, 14, 1496-1506.	2.6	3
3	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
4	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
5	A multi-sensory stimulating attention model for citiesâ€™ taxi service demand prediction. <i>Scientific Reports</i> , 2022, 12, 3065.	1.6	2
6	Editorial: Smart Hospital Innovation: Technology, Service, and Policy. <i>Frontiers in Public Health</i> , 2022, 10, 845577.	1.3	2
7	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
8	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
9	UAV Multispectral Remote Sensing for Yellow Rust Mapping: Opportunities and Challenges. <i>Smart Agriculture</i> , 2022, , 107-122.	0.3	3
10	Adaptive Inverse Control of a Vibrating Coupled Vessel-Riser System With Input Backlash. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 4706-4715.	5.9	36
11	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
12	Dynamic clustering analysis for driving styles identification. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 97, 104096.	4.3	23
13	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
14	Active disturbance rejection vibration control for an all-clamped piezoelectric plate with delay. <i>Control Engineering Practice</i> , 2021, 108, 104719.	3.2	34
15	A fast simulation method for analysis of SEE in VLSI. <i>Microelectronics Reliability</i> , 2021, 120, 114110.	0.9	3
16	The short-term associations of chronic obstructive pulmonary disease hospitalizations with meteorological factors and air pollutants in Southwest China: a time-series study. <i>Scientific Reports</i> , 2021, 11, 12914.	1.6	5
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Machine Learning-Based Crop Drought Mapping System by UAV Remote Sensing RGB Imagery. <i>Unmanned Systems</i> , 2020, 08, 71-83.	2.7	36
23	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
24	Output feedback control for mobile robot systems with significant external disturbances. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	7
25	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
26	Spatio-temporal monitoring of wheat yellow rust using UAV multispectral imagery. <i>Computers and Electronics in Agriculture</i> , 2019, 167, 105035.	3.7	60
27	A machine learning based personalized system for driving state recognition. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 105, 241-261.	3.9	64
28	Trajectory Clustering Aided Personalized Driver Intention Prediction for Intelligent Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 3693-3702.	7.2	38
29	New Driver Workload Prediction Using Clustering-Aided Approaches. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 64-70.	5.9	11
30	Potential Bands of Sentinel-2A Satellite for Classification Problems in Precision Agriculture. <i>International Journal of Automation and Computing</i> , 2019, 16, 16-26.	4.5	37
31	Model-Based Fault Diagnosis System Verification Using Reachability Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 742-751.	5.9	38
32	Personalized Driver Workload Inference by Learning From Vehicle Related Measurements. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 159-168.	5.9	29
33	Locust Recognition and Detection via Aggregate Channel Features. , 2019, , .		8
34	Harvest-aid application strategy in different cotton planting densities by unmanned aerial vehicle. <i>International Journal of Precision Agricultural Aviation</i> , 2019, 2, 31-41.	0.2	2
35	Integration of Calibration and Forcing Methods for Predicting Timely Crop States by Using AquaCrop-OS Model. , 2019, , .		1
36	Bayesian Estimation of A Periodically-Releasing Biochemical Source Using Sensor Networks. , 2018, , .		1

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37	Bayesian Calibration of AquaCrop Model. , 2018, , .		1
38	Wheat Drought Assessment by Remote Sensing Imagery Using Unmanned Aerial Vehicle. , 2018, , .		4
39	Wheat yellow rust monitoring by learning from multispectral UAV aerial imagery. Computers and Electronics in Agriculture, 2018, 155, 157-166.	3.7	180
40	Further results on "Reduced order disturbance observer for discrete-time linear systems": Automatica, 2018, 93, 550-553.	3.0	21
41	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
42	Band selection in sentinel-2 satellite for agriculture applications. , 2017, , .		43
43	Driver yawning detection based on long short term memory networks. , 2017, , .		27
44	Approximate Gaussian conjugacy: parametric recursive filtering under nonlinearity, multimodality, uncertainty, and constraint, and beyond. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 1913-1939.	1.5	58
45	Dimension Reduction Aided Hyperspectral Image Classification with a Small-sized Training Dataset: Experimental Comparisons. Sensors, 2017, 17, 2726.	2.1	35
46	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
47	Data-driven situation awareness algorithm for vehicle lane change. , 2016, , .		2
48	Dynamic decision making in lane change: Game theory with receding horizon. , 2016, , .		30
49	Fault diagnosis for vehicle lateral dynamics with robust threshold. , 2016, , .		8
50	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
51	On existence, optimality and asymptotic stability of the Kalman filter with partially observed inputs. Automatica, 2015, 53, 149-154.	3.0	62
52	Recursive filter with partial knowledge on inputs and outputs. International Journal of Automation and Computing, 2015, 12, 35-42.	4.5	3
53	Simultaneous state and input estimation with partial information on the inputs. Systems Science and Control Engineering, 2015, 3, 445-452.	1.8	8
54	High order disturbance observer design for linear and nonlinear systems. , 2015, , .		15

#	ARTICLE	IF	CITATIONS
55	Nonlinear state estimation with nonlinear equality constraints. , 2014, , .		1
56	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
57	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
58	Disturbance observer based fault diagnosis. , 2014, , .		7
59	Continuous nonsingular terminal sliding mode control for systems with mismatched disturbances. Automatica, 2013, 49, 2287-2291.	3.0	503
60	Finite-time disturbance rejection control for robotic manipulators based on sliding mode differentiator. , 2013, , .		4