

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	Continuous nonsingular terminal sliding mode control for systems with mismatched disturbances. <i>Automatica</i> , 2013, 49, 2287-2291.	3.0	503
2	High-Order Mismatched Disturbance Compensation for Motion Control Systems Via a Continuous Dynamic Sliding-Mode Approach. <i>IEEE Transactions on Industrial Informatics</i> , 2014, 10, 604-614.	7.2	233
3	Wheat yellow rust monitoring by learning from multispectral UAV aerial imagery. <i>Computers and Electronics in Agriculture</i> , 2018, 155, 157-166.	3.7	180
4	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
5	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
6	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
7	On existence, optimality and asymptotic stability of the Kalman filter with partially observed inputs. <i>Automatica</i> , 2015, 53, 149-154.	3.0	62
8	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
9	Spatio-temporal monitoring of wheat yellow rust using UAV multispectral imagery. <i>Computers and Electronics in Agriculture</i> , 2019, 167, 105035.	3.7	60
10	Approximate Gaussian conjugacy: parametric recursive filtering under nonlinearity, multimodality, uncertainty, and constraint, and beyond. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2017, 18, 1913-1939.	1.5	58
11	Disturbance Observer Based Control with Anti-Windup Applied to a Small Fixed Wing UAV for Disturbance Rejection. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017, 88, 329-346.	2.0	56
12	On Relationship Between Time-Domain and Frequency-Domain Disturbance Observers and Its Applications. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2016, 138, .	0.9	51
13	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
14	Band selection in sentinel-2 satellite for agriculture applications. , 2017, , .		43
15	Continuous finite-time anti-disturbance control for a class of uncertain nonlinear systems. <i>Transactions of the Institute of Measurement and Control</i> , 2014, 36, 300-311.	1.1	42
16	Trajectory Clustering Aided Personalized Driver Intention Prediction for Intelligent Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 3693-3702.	7.2	38
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Adaptive Inverse Control of a Vibrating Coupled Vessel-Riser System With Input Backlash. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4706-4715.	5.9	36
20	Machine Learning-Based Crop Drought Mapping System by UAV Remote Sensing RGB Imagery. Unmanned Systems, 2020, 08, 71-83.	2.7	36
21	Dimension Reduction Aided Hyperspectral Image Classification with a Small-sized Training Dataset: Experimental Comparisons. Sensors, 2017, 17, 2726.	2.1	35
22	Active disturbance rejection vibration control for an all-clamped piezoelectric plate with delay. Control Engineering Practice, 2021, 108, 104719.	3.2	34
23	Implicit Personalization in Driving Assistance: State-of-the-Art and Open Issues. IEEE Transactions on Intelligent Vehicles, 2020, 5, 397-413.	9.4	31
24	Dynamic decision making in lane change: Game theory with receding horizon. , 2016, , .		30
25	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
26	Driver yawning detection based on long short term memory networks. , 2017, , .		27
27	Spectral analysis and mapping of blackgrass weed by leveraging machine learning and UAV multispectral imagery. Computers and Electronics in Agriculture, 2022, 192, 106621.	3.7	27
28	Bayesian calibration of AquaCrop model for winter wheat by assimilating UAV multi-spectral images. Computers and Electronics in Agriculture, 2019, 167, 105052.	3.7	25
29	Probabilistic faster R-CNN with stochastic region proposing: Towards object detection and recognition in remote sensing imagery. Neurocomputing, 2021, 459, 290-301.	3.5	25
30	Dynamic clustering analysis for driving styles identification. Engineering Applications of Artificial Intelligence, 2021, 97, 104096.	4.3	23
31	Further results on "Reduced order disturbance observer for discrete-time linear systems". Automatica, 2018, 93, 550-553.	3.0	21
32	State and parameter estimation of the AquaCrop model for winter wheat using sensitivity informed particle filter. Computers and Electronics in Agriculture, 2021, 180, 105909.	3.7	19
33	Ir-UNet: Irregular Segmentation U-Shape Network for Wheat Yellow Rust Detection by UAV Multispectral Imagery. Remote Sensing, 2021, 13, 3892.	1.8	17
34	High order disturbance observer design for linear and nonlinear systems. , 2015, , .		15
35	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
36	New Driver Workload Prediction Using Clustering-Aided Approaches. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 64-70.	5.9	11

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37	Simultaneous state and input estimation with partial information on the inputs. <i>Systems Science and Control Engineering</i> , 2015, 3, 445-452.	1.8	8
38	Fault diagnosis for vehicle lateral dynamics with robust threshold. , 2016, , .		8
39	Locust Recognition and Detection via Aggregate Channel Features. , 2019, , .		8
40	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
41	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
42	Disturbance observer based fault diagnosis. , 2014, , .		7
43	Output feedback control for mobile robot systems with significant external disturbances. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	7
44	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
45	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
46	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
47	Finite-time disturbance rejection control for robotic manipulators based on sliding mode differentiator. , 2013, , .		4
48	Wheat Drought Assessment by Remote Sensing Imagery Using Unmanned Aerial Vehicle. , 2018, , .		4
49	Recursive filter with partial knowledge on inputs and outputs. <i>International Journal of Automation and Computing</i> , 2015, 12, 35-42.	4.5	3
50	A fast simulation method for analysis of SEE in VLSI. <i>Microelectronics Reliability</i> , 2021, 120, 114110.	0.9	3
51	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
52	UAV Multispectral Remote Sensing for Yellow Rust Mapping: Opportunities and Challenges. <i>Smart Agriculture</i> , 2022, , 107-122.	0.3	3
53	Data-driven situation awareness algorithm for vehicle lane change. , 2016, , .		2
54	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

#	ARTICLE	IF	CITATIONS
55	A multi-sensory stimulating attention model for citiesâ€™ taxi service demand prediction. Scientific Reports, 2022, 12, 3065.	1.6	2
56	Editorial: Smart Hospital Innovation: Technology, Service, and Policy. Frontiers in Public Health, 2022, 10, 845577.	1.3	2
57	Nonlinear state estimation with nonlinear equality constraints. , 2014, , .		1
58	Bayesian Estimation of A Periodically-Releasing Biochemical Source Using Sensor Networks. , 2018, , .		1
59	Bayesian Calibration of AquaCrop Model. , 2018, , .		1
60	Integration of Calibration and Forcing Methods for Predicting Timely Crop States by Using AquaCrop-OS Model. , 2019, , .		1