

Xiangming Xu

List of Publications by Year in descending order

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301
papers

12,625
citations

66343

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32842

100
g-index

304
all docs

304
docs citations

304
times ranked

9075
citing authors

#	ARTICLE	IF	CITATIONS
1	Disturbance-Observer-Based Control and Related Methods—An Overview. IEEE Transactions on Industrial Electronics, 2016, 63, 1083-1095.	7.9	1,951
2	Disturbance Observer Based Control for Nonlinear Systems. IEEE/ASME Transactions on Mechatronics, 2004, 9, 706-710.	5.8	1,149
3	Disturbance attenuation and rejection for systems with nonlinearity via DOBC approach. International Journal of Robust and Nonlinear Control, 2005, 15, 109-125.	3.7	656
4	Generalized Extended State Observer Based Control for Systems With Mismatched Uncertainties. IEEE Transactions on Industrial Electronics, 2012, 59, 4792-4802.	7.9	646
5	Disturbance/Uncertainty Estimation and Attenuation Techniques in PMSM Drives—A Survey. IEEE Transactions on Industrial Electronics, 2017, 64, 3273-3285.	7.9	453
6	Community Ecology of Fungal Pathogens Causing Wheat Head Blight. Annual Review of Phytopathology, 2009, 47, 83-103.	7.8	257
7	Above-ground biomass estimation and yield prediction in potato by using UAV-based RGB and hyperspectral imaging. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 162, 161-172.	11.1	240
8	Combined Use of Biocontrol Agents to Manage Plant Diseases in Theory and Practice. Phytopathology, 2011, 101, 1024-1031.	2.2	201
9	Disturbance Observer Design for Nonlinear Systems Represented by Input–Output Models. IEEE Transactions on Industrial Electronics, 2020, 67, 1222-1232.	7.9	191
10	Wheat yellow rust monitoring by learning from multispectral UAV aerial imagery. Computers and Electronics in Agriculture, 2018, 155, 157-166.	7.7	180
11	Nonlinear disturbance observer-based control for multi-input multi-output nonlinear systems subject to mismatching condition. International Journal of Control, 2012, 85, 1071-1082.	1.9	169
12	Relationship Between the Fungal Complex Causing Fusarium Head Blight of Wheat and Environmental Conditions. Phytopathology, 2008, 98, 69-78.	2.2	149
13	Sliding mode control for a class of uncertain nonlinear system based on disturbance observer. International Journal of Adaptive Control and Signal Processing, 2010, 24, 51-64.	4.1	115
14	Inoculation of drought-stressed strawberry with a mixed inoculum of two arbuscular mycorrhizal fungi: effects on population dynamics of fungal species in roots and consequential plant tolerance to water deficiency. Mycorrhiza, 2015, 25, 215-227.	2.8	109
15	Effects of Environmental Conditions on the Development of Fusarium Ear Blight. European Journal of Plant Pathology, 2003, 109, 683-689.	1.7	107
16	Disturbance-observer-based robust control for time delay uncertain systems. International Journal of Control, Automation and Systems, 2010, 8, 445-453.	2.7	101
17	Aerial Visual Perception in Smart Farming: Field Study of Wheat Yellow Rust Monitoring. IEEE Transactions on Industrial Informatics, 2021, 17, 2242-2249.	11.3	96
18	The estimation of crop emergence in potatoes by UAV RGB imagery. Plant Methods, 2019, 15, 15.	4.3	86

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19	Wheat transcription factor <i>TaWRKY70</i> is positively involved in high-temperature seedling plant resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Molecular Plant Pathology</i> , 2017, 18, 649-661.	4.2	85
20	Backpropagating Constraints-Based Trajectory Tracking Control of a Quadrotor With Constrained Actuator Dynamics and Complex Unknowns. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1322-1337.	9.3	84
21	Networks in Plant Epidemiology: From Genes to Landscapes, Countries, and Continents. <i>Phytopathology</i> , 2011, 101, 392-403.	2.2	81
22	Effects of Initial Epidemic Conditions, Sporulation Rate, and Spore Dispersal Gradient on the Spatio-Temporal Dynamics of Plant Disease Epidemics. <i>Phytopathology</i> , 1998, 88, 1000-1012.	2.2	80
23	Receding Horizon Control for Aircraft Arrival Sequencing and Scheduling. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2005, 6, 189-197.	8.0	80
24	Dispersal of <i>Bacillus subtilis</i> and its effect on strawberry phyllosphere microbiota under open field and protection conditions. <i>Scientific Reports</i> , 2016, 6, 22611.	3.3	74
25	Epidemiological risk assessment using linked network and grid based modelling: <i>Phytophthora ramorum</i> and <i>Phytophthora kernoviae</i> in the UK. <i>Ecological Modelling</i> , 2009, 220, 3353-3361.	2.5	73
26	Epidemiology and management of brown rot on stone fruit caused by <i>Monilinia laxa</i> . <i>European Journal of Plant Pathology</i> , 2014, 140, 1-17.	1.7	73
27	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.	7.7	63
28	Spatial structuring of soil microbial communities in commercial apple orchards. <i>Applied Soil Ecology</i> , 2018, 130, 1-12.	4.3	60
29	Spatio-temporal monitoring of wheat yellow rust using UAV multispectral imagery. <i>Computers and Electronics in Agriculture</i> , 2019, 167, 105035.	7.7	60
30	Harmonic Disturbance Observer for Nonlinear Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2003, 125, 114-117.	1.6	58
31	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.	3.4	56
32	Modeling Infection of Strawberry Flowers by <i>Botrytis cinerea</i> Using Field Data. <i>Phytopathology</i> , 2000, 90, 1367-1374.	2.2	55
33	Flight Control Design for Small-Scale Helicopter Using Disturbance-Observer-Based Backstepping. <i>Journal of Guidance, Control, and Dynamics</i> , 2015, 38, 2235-2240.	2.8	55
34	Effects of wounding, fruit age and wetness duration on the development of cherry brown rot in the UK. <i>Plant Pathology</i> , 2007, 56, 114.	2.4	52
35	On the terminal region of model predictive control for non-linear systems with input/state constraints. <i>International Journal of Adaptive Control and Signal Processing</i> , 2003, 17, 195-207.	4.1	51
36	Epidemiology of brown rot (<i>Monilinia fructigena</i>) on apple: infection of fruits by conidia. <i>Plant Pathology</i> , 2000, 49, 201-206.	2.4	50

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37	A generic theoretical model for biological control of foliar plant diseases. <i>Journal of Theoretical Biology</i> , 2009, 256, 201-214.	1.7	50
38	Path-following control for small fixed-wing unmanned aerial vehicles under wind disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2013, 23, 1682-1698.	3.7	50
39	Cultivar-Dependent Variation of the Cotton Rhizosphere and Endosphere Microbiome Under Field Conditions. <i>Frontiers in Plant Science</i> , 2019, 10, 1659.	3.6	49
40	Global challenges facing plant pathology: multidisciplinary approaches to meet the food security and environmental challenges in the mid-twenty-first century. <i>CABI Agriculture and Bioscience</i> , 2021, 2, .	2.4	48
41	Threshold Microsclerotial Inoculum for Cotton Verticillium Wilt Determined Through Wet-Sieving and Real-Time Quantitative PCR. <i>Phytopathology</i> , 2015, 105, 220-229.	2.2	47
42	Using combinations of biocontrol agents to control <i>Botrytis cinerea</i> on strawberry leaves under fluctuating temperatures. <i>Biocontrol Science and Technology</i> , 2010, 20, 359-373.	1.3	46
43	Vayg1 is required for microsclerotium formation and melanin production in <i>Verticillium dahliae</i> . <i>Fungal Genetics and Biology</i> , 2017, 98, 1-11.	2.1	46
44	The wheat WRKY transcription factors TaWRKY49 and TaWRKY62 confer differential high-temperature seedling-plant resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>PLoS ONE</i> , 2017, 12, e0181963.	2.5	46
45	Ampelomyces mycoparasites from apple powdery mildew identified as a distinct group based on single-stranded conformation polymorphism analysis of the rDNA ITS region. <i>Mycological Research</i> , 2005, 109, 429-438.	2.5	45
46	Effects of fungal interactions among Fusarium head blight pathogens on disease development and mycotoxin accumulation. <i>International Journal of Food Microbiology</i> , 2007, 119, 67-71.	4.7	43
47	Band selection in sentinel-2 satellite for agriculture applications. , 2017, , .		43
48	Candidate Causal Organisms for Apple Replant Disease in the United Kingdom. <i>Phytobiomes Journal</i> , 2018, 2, 261-274.	2.7	43
49	Source term estimation of a hazardous airborne release using an unmanned aerial vehicle. <i>Journal of Field Robotics</i> , 2019, 36, 797-817.	6.0	43
50	Effects of Climate Change on Epidemics of Powdery Mildew in Winter Wheat in China. <i>Plant Disease</i> , 2017, 101, 1753-1760.	1.4	42
51	Predictor-Based Disturbance Rejection Control for Sampled Systems With Input Delay. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 772-780.	5.2	42
52	Static disturbance-to-output decoupling for nonlinear systems with arbitrary disturbance relative degree. <i>International Journal of Robust and Nonlinear Control</i> , 2013, 23, 562-577.	3.7	41
53	Spatio-temporal analysis of an invasive plant pathogen (<i>Phytophthora ramorum</i>) in England and Wales. <i>Ecography</i> , 2009, 32, 504-516.	4.5	40
54	Population variation of apple scab (<i>Venturia inaequalis</i>) within mixed orchards in the UK. <i>European Journal of Plant Pathology</i> , 2013, 135, 97-104.	1.7	40

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55	Characterization of the pathogenicity of strains of <i>Pseudomonas syringae</i> towards cherry and plum. <i>Plant Pathology</i> , 2018, 67, 1177-1193.	2.4	40
56	Changes in the Microbiome in the Soil of an American Ginseng Continuous Plantation. <i>Frontiers in Plant Science</i> , 2020, 11, 572199.	3.6	40
57	Title is missing!. <i>European Journal of Plant Pathology</i> , 1998, 104, 511-519.	1.7	39
58	Managing apple scab (<i>Venturia inaequalis</i>) and powdery mildew (<i>Podosphaera leucotricha</i>) using Adema, C. <i>International Journal of Pest Management</i> , 2003, 49, 243-249.	1.8	39
59	Modelling the establishment and spread of autotetraploid plants in a spatially heterogeneous environment. <i>Journal of Evolutionary Biology</i> , 2004, 17, 562-573.	1.7	39
60	Online optimisation-based backstepping control design with application to quadrotor. <i>IET Control Theory and Applications</i> , 2016, 10, 1601-1611.	2.1	39
61	Characterization and Fungicide Sensitivity of <i>Colletotrichum</i> Species Causing Strawberry Anthracnose in Eastern China. <i>Plant Disease</i> , 2020, 104, 1960-1968.	1.4	39
62	Spatial analysis by distance indices: an alternative local clustering index for studying spatial patterns. <i>Methods in Ecology and Evolution</i> , 2012, 3, 368-377.	5.2	38
63	Variation in Host and Pathogen in the <i>Neovectria/Malus</i> Interaction; toward an Understanding of the Genetic Basis of Resistance to European Canker. <i>Frontiers in Plant Science</i> , 2016, 7, 1365.	3.6	38
64	Model-Based Fault Diagnosis System Verification Using Reachability Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 742-751.	9.3	38
65	Temporal isolation explains host-related genetic differentiation in a group of widespread mycoparasitic fungi. <i>Molecular Ecology</i> , 2011, 20, 1492-1507.	3.9	37
66	Quantification of the relationship between the environment and Fusarium head blight, Fusarium pathogen density, and mycotoxins in winter wheat in Europe. <i>European Journal of Plant Pathology</i> , 2012, 133, 975-993.	1.7	37
67	Amplicon-based metagenomics identified candidate organisms in soils that caused yield decline in strawberry. <i>Horticulture Research</i> , 2015, 2, 15022.	6.3	37
68	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
69	Infection and Development of Apple Scab (<i>Venturia inaequalis</i>) on Old Leaves. <i>Journal of Phytopathology</i> , 2002, 150, 687-691.	1.0	36
70	Machine Learning-Based Crop Drought Mapping System by UAV Remote Sensing RGB Imagery. <i>Unmanned Systems</i> , 2020, 08, 71-83.	3.6	36
71	The Use of Arbuscular Mycorrhizal Fungi to Improve Strawberry Production in Coir Substrate. <i>Frontiers in Plant Science</i> , 2016, 7, 1237.	3.6	35
72	Dimension Reduction Aided Hyperspectral Image Classification with a Small-sized Training Dataset: Experimental Comparisons. <i>Sensors</i> , 2017, 17, 2726.	3.8	35

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73	Incidence and Density Relationships of Powdery Mildew on Apple. <i>Phytopathology</i> , 2002, 92, 1005-1014.	2.2	34
74	Population Variation of Apple Scab (<i>Venturia inaequalis</i>) Isolates from Asia and Europe. <i>Plant Disease</i> , 2008, 92, 247-252.	1.4	34
75	Modeling the Effects of Environmental Conditions on HT2 and T2 Toxin Accumulation in Field Oat Grains. <i>Phytopathology</i> , 2014, 104, 57-66.	2.2	34
76	Output-based disturbance rejection control for non-linear uncertain systems with unknown frequency disturbances using an observer backstepping approach. <i>IET Control Theory and Applications</i> , 2016, 10, 1052-1060.	2.1	34
77	Delayed chilling appears to counteract flowering advances of apricot in southern UK. <i>Agricultural and Forest Meteorology</i> , 2017, 237-238, 209-218.	4.8	34
78	Virulence characteristics of apple scab (<i>Venturia inaequalis</i>) isolates from monoculture and mixed orchards. <i>Plant Pathology</i> , 2008, 57, 552-561.	2.4	33
79	A Numerical Study of Combined Use of Two Biocontrol Agents with Different Biocontrol Mechanisms in Controlling Foliar Pathogens. <i>Phytopathology</i> , 2011, 101, 1032-1044.	2.2	33
80	Combined Use of Two Biocontrol Agents with Different Biocontrol Mechanisms Most Likely Results in Less Than Expected Efficacy in Controlling Foliar Pathogens Under Fluctuating Conditions: A Modeling Study. <i>Phytopathology</i> , 2013, 103, 108-116.	2.2	33
81	Multiairport Capacity Management: Genetic Algorithm With Receding Horizon. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2007, 8, 254-263.	8.0	32
82	Effects of fruit maturity and wetness on the infection of apple fruit by <i>Neonectria galligena</i> . <i>Plant Pathology</i> , 2010, 59, 542-547.	2.4	32
83	A Simulation Study of Predicting Real-Time Conflict-Prone Traffic Conditions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 3196-3207.	8.0	32
84	<i>TaXa21</i> , a Leucine-Rich Repeat Receptor-Like Kinase Gene Associated with <i>TaWRKY76</i> and <i>TaWRKY62</i> , Plays Positive Roles in Wheat High-Temperature Seedling Plant Resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 1526-1535.	2.6	32
85	Effects of Quadrat Size and Shape, Initial Epidemic Conditions, and Spore Dispersal Gradient on Spatial Statistics of Plant Disease Epidemics. <i>Phytopathology</i> , 2000, 90, 738-750.	2.2	31
86	Spatio-temporal dynamics of brown rot (<i>Monilinia fructigena</i>) on apple and pear. <i>Plant Pathology</i> , 2001, 50, 569-578.	2.4	31
87	Optimal control for systems with varying sampling rate. , 2002, , .		31
88	Motion-control techniques of today and tomorrow: a review and discussion of the challenges of controlled motion. <i>IEEE Industrial Electronics Magazine</i> , 2020, 14, 41-55.	2.6	31
89	Composition of Rhizosphere Microbial Communities Associated With Healthy and Verticillium Wilt Diseased Cotton Plants. <i>Frontiers in Microbiology</i> , 2021, 12, 618169.	3.5	31
90	On estimating non-linear response of fungal development under fluctuating temperatures. <i>Plant Pathology</i> , 1996, 45, 163-171.	2.4	30

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91	Numerical Studies of Biocontrol Efficacies of Foliar Plant Pathogens in Relation to the Characteristics of a Biocontrol Agent. <i>Phytopathology</i> , 2010, 100, 814-821.	2.2	30
92	Acute Oak Decline and <i>Agrilus biguttatus</i> : The Co-Occurrence of Stem Bleeding and D-Shaped Emergence Holes in Great Britain. <i>Forests</i> , 2017, 8, 87.	2.1	30
93	Nonlinearity Estimator-Based Control of A Class of Uncertain Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 2230-2236.	5.7	30
94	A dynamic model simulating infection of apple leaves by <i>Venturia inaequalis</i> . <i>Plant Pathology</i> , 1995, 44, 865-876.	2.4	29
95	New Multiple-Target Tracking Strategy Using Domain Knowledge and Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 605-616.	9.3	29
96	Personalized Driver Workload Inference by Learning From Vehicle Related Measurements. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 159-168.	9.3	29
97	No Indication of Strict Host Associations in a Widespread Mycoparasite: Grapevine Powdery Mildew (<i>Erysiphe necator</i>) Is Attacked by Phylogenetically Distant <i>Ampelomyces</i> Strains in the Field. <i>Phytopathology</i> , 2012, 102, 707-716.	2.2	28
98	Theoretical Modeling Suggests that Synergy May Result from Combined Use of Two Biocontrol Agents for Controlling Foliar Pathogens Under Spatial Heterogeneous Conditions. <i>Phytopathology</i> , 2013, 103, 768-775.	2.2	28
99	Amplicon-based metabarcoding reveals temporal response of soil microbial community to fumigation-derived products. <i>Applied Soil Ecology</i> , 2016, 103, 83-92.	4.3	28
100	Spatial and temporal patterns in symptom expression within eight woodlands affected by Acute Oak Decline. <i>Forest Ecology and Management</i> , 2016, 360, 97-109.	3.2	28
101	Bayesian Multiple Extended Target Tracking Using Labeled Random Finite Sets and Splines. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 6076-6091.	5.3	28
102	Detection of Powdery Mildew in Two Winter Wheat Plant Densities and Prediction of Grain Yield Using Canopy Hyperspectral Reflectance. <i>PLoS ONE</i> , 2015, 10, e0121462.	2.5	28
103	Association of <i>Fusarium</i> Species in the Wheat Stem Rot Complex. <i>European Journal of Plant Pathology</i> , 2003, 109, 769-774.	1.7	27
104	The effects of temperature, humidity and rainfall on captan decline on apple leaves and fruit in controlled environment conditions. <i>Pest Management Science</i> , 2008, 64, 296-307.	3.4	27
105	An optimized method for in vitro production of <i>Verticillium dahliae</i> microsclerotia. <i>European Journal of Plant Pathology</i> , 2013, 136, 225-229.	1.7	27
106	Trajectory Planning for Communication Relay Unmanned Aerial Vehicles in Urban Dynamic Environments. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2018, 89, 7-25.	3.4	27
107	Distribution and Fungicide Sensitivity of <i>Colletotrichum</i> Species Complexes from Rubber Tree in Hainan, China. <i>Plant Disease</i> , 2017, 101, 1774-1780.	1.4	27
108	Vegetative compatibility groups partition variation in the virulence of <i>Verticillium dahliae</i> on strawberry. <i>PLoS ONE</i> , 2018, 13, e0191824.	2.5	27

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109	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.	7.7	27
110	Disease spread in small-size directed trade networks: the role of hierarchical categories. <i>Journal of Applied Ecology</i> , 2010, 47, 1300-1309.	4.0	26
111	Three <i>Colletotrichum</i> Species, Including a New Species, are Associated to Leaf Anthracnose of Rubber Tree in Hainan, China. <i>Plant Disease</i> , 2019, 103, 117-124.	1.4	26
112	Seasonal patterns of dispersal of ascospores of <i>Cryphonectria parasitica</i> (chestnut blight). <i>Plant Pathology</i> , 2001, 50, 717-724.	2.4	25
113	Variability in initial spray deposit in apple trees in space and time. <i>Pest Management Science</i> , 2006, 62, 947-956.	3.4	25
114	Stability analysis of classic finite horizon model predictive control. <i>International Journal of Control, Automation and Systems</i> , 2010, 8, 187-197.	2.7	25
115	Whole Genome Wide Expression Profiles on Germination of <i>Verticillium dahliae</i> Microsclerotia. <i>PLoS ONE</i> , 2014, 9, e100046.	2.5	25
116	Latent entry and spread of <i>Colletotrichum acutatum</i> (species complex) in strawberry fields. <i>Plant Pathology</i> , 2015, 64, 385-395.	2.4	25
117	Optimal positioning of communication relay unmanned aerial vehicles in urban environments. , 2016, , .		25
118	Robust assignment of airport gates with operational safety constraints. <i>International Journal of Automation and Computing</i> , 2016, 13, 31-41.	4.5	25
119	Bayesian calibration of AquaCrop model for winter wheat by assimilating UAV multi-spectral images. <i>Computers and Electronics in Agriculture</i> , 2019, 167, 105052.	7.7	25
120	TaRPM1 Positively Regulates Wheat High-Temperature Seedling-Plant Resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1679.	3.6	25
121	Influence of temperature on decay, mycelium development and sporodochia production caused by <i>Monilinia fructicola</i> and <i>M. Ålaxa</i> on stone fruits. <i>Food Microbiology</i> , 2017, 64, 112-118.	4.2	23
122	Considerations for the use of SADIE statistics to quantify spatial patterns. <i>Ecography</i> , 2003, 26, 821-830.	4.5	22
123	Management of strawberry grey mould using mixtures of biocontrol agents with different mechanisms of action. <i>Biocontrol Science and Technology</i> , 2009, 19, 1051-1065.	1.3	22
124	Seasonal dynamics of <i>Botryosphaeria dothidea</i> infections and symptom development on apple fruits and shoots in China. <i>European Journal of Plant Pathology</i> , 2016, 146, 507-518.	1.7	22
125	An Auxiliary Particle Filtering Algorithm With Inequality Constraints. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 4639-4646.	5.7	22
126	Model predictive control for constrained systems with uncertain state-delays. <i>International Journal of Robust and Nonlinear Control</i> , 2004, 14, 1421-1432.	3.7	21

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127	Management of raspberry and strawberry grey mould in open field and under protection. A review. <i>Agronomy for Sustainable Development</i> , 2012, 32, 531-543.	5.3	21
128	Artificial Situation Awareness for Increased Autonomy of Unmanned Aerial Systems in the Terminal Area. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2013, 70, 545-555.	3.4	21
129	A genetic linkage map of <i>Venturia inaequalis</i> , the causal agent of apple scab. <i>BMC Research Notes</i> , 2009, 2, 163.	1.4	20
130	Within- and between-orchard variability in the sensitivity of <i>Venturia inaequalis</i> to myclobutanil, a DMI fungicide, in the UK. <i>Pest Management Science</i> , 2009, 65, 1241-1249.	3.4	20
131	A Hybrid Approach of Learning and Model-Based Channel Prediction for Communication Relay UAVs in Dynamic Urban Environments. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 2370-2377.	5.1	20
132	Title is missing!. , 1999, 105, 13-21.		19
133	The temporal pattern of captan residues on apple leaves and fruit under field conditions in relation to weather and canopy structure. <i>Pest Management Science</i> , 2008, 64, 565-578.	3.4	19
134	Genome-wide SNP identification by high-throughput sequencing and selective mapping allows sequence assembly positioning using a framework genetic linkage map. <i>BMC Biology</i> , 2010, 8, 155.	3.8	19
135	Development of Weather- and Airborne Inoculum-Based Models to Describe Disease Severity of Wheat Powdery Mildew. <i>Plant Disease</i> , 2015, 99, 395-400.	1.4	19
136	Unmanned Aerial Vehicle-Based Hazardous Materials Response: Information-Theoretic Hazardous Source Search and Reconstruction. <i>IEEE Robotics and Automation Magazine</i> , 2020, 27, 108-119.	2.0	19
137	Eight <i>Colletotrichum</i> Species, Including a Novel Species, Are Associated With Areca Palm Anthracnose in Hainan, China. <i>Plant Disease</i> , 2020, 104, 1369-1377.	1.4	19
138	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.	7.7	19
139	The Effect of Rotating Apple Rootstock Genotypes on Apple Replant Disease and Rhizosphere Microbiome. <i>Phytobiomes Journal</i> , 2019, 3, 273-285.	2.7	19
140	The spatial and temporal distribution of predatory and phytophagous mites in field-grown strawberry in the UK. <i>Experimental and Applied Acarology</i> , 2008, 44, 293-306.	1.6	18
141	Effects of nitrogen input and deficit irrigation within the commercial acceptable range on susceptibility of strawberry leaves to powdery mildew. <i>European Journal of Plant Pathology</i> , 2013, 135, 695-701.	1.7	18
142	The relative importance of conidia and ascospores as primary inoculum of <i>Venturia inaequalis</i> in a southeast England orchard. <i>Plant Pathology</i> , 2017, 66, 1445-1451.	2.4	18
143	Transcriptomic Analysis Reveal the Molecular Mechanisms of Wheat Higher-Temperature Seedling-Plant Resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 240.	3.6	18
144	The distribution of <i>Fusarium graminearum</i> and <i>F. asiaticum</i> causing <i>Fusarium</i> head blight of wheat in relation to climate and cropping system. <i>Plant Disease</i> , 2021, , PDIS01210013RE.	1.4	18

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145	Modelling and interpreting disease progress in time. , 2006, , 215-238.		18
146	Title is missing!. European Journal of Plant Pathology, 1998, 104, 133-140.	1.7	17
147	Model predictive control of nonlinear systems: Stability region and feasible initial control. International Journal of Automation and Computing, 2007, 4, 195-202.	4.5	17
148	Comments Regarding the Binary Power Law for Heterogeneity of Disease Incidence. Phytopathology, 2011, 101, 1396-1407.	2.2	17
149	Application of Geographic Information Systems to Identify the Overwintering Regions of <i>Blumeria graminis</i> f. sp. <i>tritici</i> in China. Plant Disease, 2013, 97, 1168-1174.	1.4	17
150	Identification and Characterisation of New Microbial Antagonists for Biocontrol of <i>Monilinia laxa</i> , the Causal Agent of Brown Rot on Stone Fruit. Agronomy, 2013, 3, 685-703.	3.0	17
151	Twenty-Five Years of the Binary Power Law for Characterizing Heterogeneity of Disease Incidence. Phytopathology, 2018, 108, 656-680.	2.2	17
152	Ir-UNet: Irregular Segmentation U-Shape Network for Wheat Yellow Rust Detection by UAV Multispectral Imagery. Remote Sensing, 2021, 13, 3892.	4.0	17
153	Effect of Low Temperature and Wheat Winter-Hardiness on Survival of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> under Controlled Conditions. PLoS ONE, 2015, 10, e0130691.	2.5	17
154	Relationships Between Several Quadrat-Based Statistical Measures Used to Characterize Spatial Aspects of Disease Incidence Data. Phytopathology, 2000, 90, 568-575.	2.2	16
155	Developing logistic models to relate the accumulation of DON associated with <i>Fusarium</i> head blight to climatic conditions in Europe. European Journal of Plant Pathology, 2013, 137, 689-706.	1.7	16
156	Chattering-free condition for sliding mode control with unidirectional auxiliary surfaces. Transactions of the Institute of Measurement and Control, 2013, 35, 593-605.	1.7	16
157	Combining Models is More Likely to Give Better Predictions than Single Models. Phytopathology, 2015, 105, 1174-1182.	2.2	16
158	Detection and quantification of airborne inoculum of <i>Blumeria graminis</i> f. sp. <i>tritici</i> using quantitative PCR. European Journal of Plant Pathology, 2016, 146, 225-229.	1.7	16
159	<i>Valsa mali</i> Pathogenic Effector VmPxE1 Contributes to Full Virulence and Interacts With the Host Peroxidase MdAPX1 as a Potential Target. Frontiers in Microbiology, 2018, 9, 821.	3.5	16
160	Cross-resistance between myclobutanil and tebuconazole and the genetic basis of tebuconazole resistance in <i>Venturia inaequalis</i> . Pest Management Science, 2021, 77, 844-850.	3.4	16
161	Modelling non-systemic pesticide residues in fruits with initial deposit variability and weather effects. Food Additives and Contaminants, 2007, 24, 1257-1267.	2.0	15
162	Managing grey mould on raspberry grown under protection without use of fungicides during flowering and fruiting. Agronomy for Sustainable Development, 2012, 32, 673-682.	5.3	15

#	ARTICLE	IF	CITATIONS
163	High order disturbance observer design for linear and nonlinear systems. , 2015, , .		15
164	Robust nonlinear generalised predictive control for a class of uncertain nonlinear systems via an integral sliding mode approach. International Journal of Control, 2016, 89, 1698-1710.	1.9	15
165	Effects of individual and combined use of bio-fumigation-derived products on the viability of <i>Verticillium dahliae</i> microsclerotia in soil. Crop Protection, 2016, 79, 170-176.	2.1	15
166	Are insensitivities of <i>Venturia inaequalis</i> to myclobutanil and fenbuconazole correlated?. Crop Protection, 2010, 29, 183-189.	2.1	14
167	Robust nonlinear generalized predictive control of a permanent magnet synchronous motor with an anti-windup compensator. , 2010, , .		14
168	An explicit MPC for quadrotor trajectory tracking. , 2015, , .		14
169	Disturbance observers and applications. Transactions of the Institute of Measurement and Control, 2016, 38, 621-624.	1.7	14
170	Population Genetic Analysis of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> Suggests Two Distinct Populations in Tibet and the Other Regions of China. Plant Disease, 2017, 101, 288-296.	1.4	14
171	Annotated Draft Genome Sequence of the Apple Scab Pathogen <i>Venturia inaequalis</i> . Microbiology Resource Announcements, 2018, 7, .	0.6	14
172	Overwintering of Wheat Stripe Rust Under Field Conditions in the Northwestern Regions of China. Plant Disease, 2019, 103, 638-644.	1.4	14
173	Predicting Overwintering of Wheat Stripe Rust in Central and Northwestern China. Plant Disease, 2020, 104, 44-51.	1.4	14
174	Joint State and Fault Estimation of Complex Networks Under Measurement Saturations and Stochastic Nonlinearities. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 173-186.	2.8	14
175	Detecting Wheat Powdery Mildew and Predicting Grain Yield Using Unmanned Aerial Photography. Plant Disease, 2018, 102, 1981-1988.	1.4	13
176	A Holistic Approach for Enhancing the Efficacy of Soil Microbial Inoculants in Agriculture. Global Journal of Agricultural Innovation Research & Development, 0, 8, 176-190.	0.2	13
177	Effects of temperature on the incubation and latent periods of hawthorn powdery mildew (<i>Podosphaera clandestina</i>). Plant Pathology, 2000, 49, 791-797.	2.4	12
178	Interrelationships Among SADIE Indices for Characterizing Spatial Patterns of Organisms. Phytopathology, 2005, 95, 874-883.	2.2	12
179	Control of sampled-data systems with variable sampling rate. International Journal of Systems Science, 2006, 37, 609-618.	5.5	12
180	A dynamic model forecasting infection of pear leaves by conidia of <i>Venturia nashicola</i> and its evaluation in unsprayed orchards. European Journal of Plant Pathology, 2007, 118, 227-238.	1.7	12

#	ARTICLE	IF	CITATIONS
181	Race Composition of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in Tibet, China. <i>Plant Disease</i> , 2012, 96, 1615-1620.	1.4	12
182	Differentiation in populations of the apple scab fungus <i>Venturia inaequalis</i> on cultivars in a mixed orchard remain over time. <i>Plant Pathology</i> , 2016, 65, 1133-1141.	2.4	12
183	Reduced-order disturbance observer design for discrete-time linear stochastic systems. <i>Transactions of the Institute of Measurement and Control</i> , 2016, 38, 657-664.	1.7	12
184	Progression of Symptoms Caused by <i>Botryosphaeria dothidea</i> on Apple Branches. <i>Phytopathology</i> , 2021, 111, 1551-1559.	2.2	12
185	Quantitative potato tuber phenotyping by 3D imaging. <i>Biosystems Engineering</i> , 2021, 210, 48-59.	4.3	12
186	Modelling the effects of wetness duration and fruit maturity on infection of apple fruits of Cox's Orange Pippin and two clones of Gala by <i>Venturia inaequalis</i> . <i>Plant Pathology</i> , 2005, 54, 347-356.	2.4	11
187	Super-races are not likely to dominate a fungal population within a life time of a perennial crop plantation of cultivar mixtures: a simulation study. <i>BMC Ecology</i> , 2012, 12, 16.	3.0	11
188	Identification of candidate soil microbes responsible for small-scale heterogeneity in strawberry plant vigour. <i>Journal of Integrative Agriculture</i> , 2016, 15, 2049-2058.	3.5	11
189	Constrained anti-disturbance control for a quadrotor based on differential flatness. <i>International Journal of Systems Science</i> , 2017, 48, 1182-1193.	5.5	11
190	New Driver Workload Prediction Using Clustering-Aided Approaches. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 64-70.	9.3	11
191	Effects of temperature and leaf age on conidial germination and disease development of powdery mildew on rubber tree. <i>Plant Pathology</i> , 2021, 70, 484-491.	2.4	11
192	Apple endophyte community in relation to location, scion and rootstock genotypes and susceptibility to European canker. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	11
193	Finite-time disturbance observer-based modified super-twisting algorithm for systems with mismatched disturbances: Application to fixed-wing UAVs under wind disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 7317-7343.	3.7	11
194	The Effects of Temperature on the Incubation and Latent Periods of Powdery Mildew (<i>Erysiphe</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	1.0	10
195	Effect of Environmental Conditions on Germination and Survival of Teliospores and Basidiospores of the Pear Rust Fungus (<i>Gymnosporangium asiaticum</i>). <i>European Journal of Plant Pathology</i> , 2006, 115, 341-350.	1.7	10
196	Regulation of Magnetically Actuated Satellites using Model Predictive Control with Disturbance Modelling. , 2008, , .		10
197	A simulation study on managing plant diseases by systematically altering spatial positions of cultivar mixture components between seasons. <i>Plant Pathology</i> , 2011, 60, 857-865.	2.4	10
198	Modelling the dynamics of a plant pathogen and a biological control agent in relation to flowering pattern and populations present on leaves. <i>Ecological Modelling</i> , 2015, 313, 13-28.	2.5	10

#	ARTICLE	IF	CITATIONS
199	Effect of fungal, oomycete and nematode interactions on apple root development in replant soil. CABI Agriculture and Bioscience, 2020, 1, .	2.4	10
200	Developing biopesticide-based programmes for managing powdery mildew in protected strawberries in the UK. Crop Protection, 2021, 149, 105766.	2.1	10
201	Autonomous Source Term Estimation in Unknown Environments: From a Dual Control Concept to UAV Deployment. IEEE Robotics and Automation Letters, 2022, 7, 2274-2281.	5.1	10
202	Tests of fungicides for post-germination activity against <i>Nectria galligena</i> , causal agent of canker and fruit rot of apple. Crop Protection, 1996, 15, 513-519.	2.1	9
203	Model predictive control of low earth orbiting spacecraft with magneto-torquers. , 2006, , .		9
204	Effects of environmental factors on discharge and germination of ascospores of <i>Venturia nashicola</i> . Plant Pathology, 2007, 56, 402-411.	2.4	9
205	Optimisation based control framework for autonomous vehicles: Algorithm and experiment. , 2010, , .		9
206	Variable sampling-time nonlinear model predictive control of satellites using magneto-torquers. Systems Science and Control Engineering, 2014, 2, 593-601.	3.1	9
207	Thermal infrared pedestrian tracking via fusion of features in driving assistance system of intelligent vehicles. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 6089-6103.	1.3	9
208	Limited asymptomatic colonization of apple tree shoots by <i>Neonectria ditissima</i> following infection of leaf scars and pruning wounds. Plant Pathology, 2021, 70, 1838-1849.	2.4	9
209	Monitoring of Wheat Powdery Mildew under Different Nitrogen Input Levels Using Hyperspectral Remote Sensing. Remote Sensing, 2021, 13, 3753.	4.0	9
210	NBS-LRR Gene <i>TaRPS2</i> is Positively Associated with the High-Temperature Seedling Plant Resistance of Wheat Against <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . Phytopathology, 2021, 111, 1449-1458.	2.2	9
211	Polylink: to support two-point linkage analysis in autotetraploids. Bioinformatics, 2001, 17, 740-741.	4.1	8
212	Closed-form nonlinear MPC for multivariable nonlinear systems with different relative degree. , 0, , .		8
213	Receding Horizon Control for Airport Capacity Management. IEEE Transactions on Control Systems Technology, 2007, 15, 1131-1136.	5.2	8
214	Incidence-density relationship of pear scab (<i>Venturia nashicola</i>) on fruits and leaves. Plant Pathology, 2007, 56, 120.	2.4	8
215	Lower Temperatures More Effective than Atmosphere Modification in Controlling Botrytis and <i>Nectria</i> Rots in Stored Apples. Journal of Phytopathology, 2011, 159, 73-79.	1.0	8
216	Simultaneous state and input estimation with partial information on the inputs. Systems Science and Control Engineering, 2015, 3, 445-452.	3.1	8

#	ARTICLE	IF	CITATIONS
217	Worst-case analysis of moving obstacle avoidance systems for unmanned vehicles. <i>Robotica</i> , 2015, 33, 807-827.	1.9	8
218	Fault diagnosis for vehicle lateral dynamics with robust threshold. , 2016, , .		8
219	Revealing Differentially Expressed Genes and Identifying Effector Proteins of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in Response to High-Temperature Seedling Plant Resistance of Wheat Based on Transcriptome Sequencing. <i>MSphere</i> , 2020, 5, .	2.9	8
220	Effect of Rainfall and Temperature on Perithecium Production of <i>Botryosphaeria dothidea</i> on Cankered Apple Branches. <i>Phytopathology</i> , 2021, 111, 982-989.	2.2	8
221	Infection of blackcurrant flowers and fruits by <i>Botrytis cinerea</i> in relation to weather conditions and fruit age. <i>Crop Protection</i> , 2009, 28, 407-413.	2.1	7
222	Disturbance observer based control for nonlinear MAGLEV suspension system. , 2010, , .		7
223	Stability Analysis of Constrained Nonlinear Model Predictive Control with Terminal Weighting. <i>Asian Journal of Control</i> , 2012, 14, 1374-1381.	3.0	7
224	Development and validation of a model forecasting the phenology of European tarnished plant bug <i>Lygus rugulipennis</i> in the U.K. <i>Agricultural and Forest Entomology</i> , 2014, 16, 265-272.	1.3	7
225	Disturbance observer based fault diagnosis. , 2014, , .		7
226	Image segmentation for automated taxiing of Unmanned Aircraft. , 2015, , .		7
227	Enhanced situation awareness for unmanned aerial vehicle operating in terminal areas with circuit flight rules. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2016, 230, 1683-1693.	1.3	7
228	Overwintering of <i>Puccinia striiformis</i> f. <i>tritici</i> on Winter Wheat at Varying Altitudes in Gansu and Qinghai Provinces. <i>Plant Disease</i> , 2016, 100, 1138-1145.	1.4	7
229	Prediction of air-to-ground communication strength for relay UAV trajectory planner in urban environments. , 2017, , .		7
230	Genomic sequencing indicates non-random mating of <i>Venturia inaequalis</i> in a mixed cultivar orchard. <i>Plant Pathology</i> , 2020, 69, 669-676.	2.4	7
231	Conditions for infection of strawberry fruit by <i>M. piriformis</i> and <i>Rhizopus</i> spp.. <i>European Journal of Plant Pathology</i> , 2020, 157, 65-75.	1.7	7
232	Editorial: Plant Root Interaction With Associated Microbiomes to Improve Plant Resiliency and Crop Biodiversity. <i>Frontiers in Plant Science</i> , 2021, 12, 715676.	3.6	7
233	Biocontrol agents to manage brown rot disease on cherry. <i>European Journal of Plant Pathology</i> , 2021, 161, 493-502.	1.7	7
234	More Ecological Research Needed for Effective Biocontrol of Plant Pathogens. <i>Progress in Biological Control</i> , 2020, , 15-30.	0.5	7

#	ARTICLE	IF	CITATIONS
235	Thermal Infrared Single-Pedestrian Tracking for Advanced Driver Assistance System. IEEE Transactions on Intelligent Vehicles, 2023, 8, 814-824.	12.7	7
236	The Influence of Host Genotypes on the Endophytes in the Leaf Scar Tissues of Apple Trees and Correlation of the Endophytes with Apple Canker (<i>Neonectria ditissima</i>) Development. Phytobiomes Journal, 2022, 6, 127-138.	2.7	7
237	Infection of Blackcurrant Leaves by <i>Drepanopeziza ribis</i> in Relation to Weather Conditions and Leaf Position. Journal of Phytopathology, 2009, 157, 280-286.	1.0	6
238	Trajectory generation for autonomous soaring UAS. International Journal of Automation and Computing, 2012, 9, 248-256.	4.5	6
239	Soil microbiome data of two apple orchards in the UK. Data in Brief, 2018, 21, 2042-2050.	1.0	6
240	Nonlinear composite bilateral control framework for n-DOF teleoperation systems with disturbances. Science China Information Sciences, 2018, 61, 1.	4.3	6
241	Experimental Assessment of Plume Mapping using Point Measurements from Unmanned Vehicles. , 2019, , .		6
242	Temporal dynamics of the survival of <i>Verticillium dahliae</i> microsclerotia with or without melanin in soils amended with biocontrol agents. European Journal of Plant Pathology, 2020, 157, 521-531.	1.7	6
243	Critical Evaluation of Two Commercial Biocontrol Agents for Their Efficacy against <i>B. cinerea</i> under In Vitro and In Vivo Conditions in Relation to Different Abiotic Factors. Agronomy, 2021, 11, 1868.	3.0	6
244	A Novel Algorithm for Quantized Particle Filtering With Multiple Degrading Sensors: Degradation Estimation and Target Tracking. IEEE Transactions on Industrial Informatics, 2023, 19, 5830-5838.	11.3	6
245	Automatic differentiation based nonlinear model predictive control of satellites using magneto-torquers. , 2009, , .		5
246	Experimental tests of autonomous ground vehicles with preview. International Journal of Automation and Computing, 2010, 7, 342-348.	4.5	5
247	Optimisation-based verification process of obstacle avoidance systems for unicycle-like mobile robots. International Journal of Automation and Computing, 2011, 8, 340-347.	4.5	5
248	Communication-aware convoy following guidance for UAVs in a complex urban environment. , 2016, , .		5
249	An improved method for RNA extraction from urediniospores of and wheat leaves infected by an obligate fungal pathogen, <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . Journal of Integrative Agriculture, 2016, 15, 1293-1303.	3.5	5
250	Genome Sequences of <i>Verticillium dahliae</i> Defoliating Strain XJ592 and Nondefoliating Strain XJ511. Molecular Plant-Microbe Interactions, 2020, 33, 565-568.	2.6	5
251	Autonomous Lateral Maneuvers for Self-Driving Vehicles in Complex Traffic Environment. IEEE Transactions on Intelligent Vehicles, 2023, 8, 1900-1910.	12.7	5
252	Effects of temperature on germination and hyphal growth from conidia of <i>Ramularia rhei</i> and <i>Ascochyta rhei</i> , causing spot diseases of rhubarb (<i>Rheum rhaponticum</i>). Plant Pathology, 2006, 55, 664-670.	2.4	4

#	ARTICLE	IF	CITATIONS
253	Investigating Factors Affecting Unit-to-Unit Variability in Non-Systemic Pesticide Residues by Stochastic Simulation Modelling. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008, 14, 992-1006.	3.4	4
254	A novel strategy to reduce overwintering inoculum of <i>Monilinia laxa</i> . <i>European Journal of Plant Pathology</i> , 2014, 140, 591-596.	1.7	4
255	Wheat Drought Assessment by Remote Sensing Imagery Using Unmanned Aerial Vehicle. , 2018, , .		4
256	Joint Retrieval of Growing Season Corn Canopy LAI and Leaf Chlorophyll Content by Fusing Sentinel-2 and MODIS Images. <i>Remote Sensing</i> , 2019, 11, 2409.	4.0	4
257	Spatial Pattern of <i>Verticillium dahliae</i> Microsclerotia and Cotton Plants with Wilt Symptoms in Commercial Plantations. <i>PLoS ONE</i> , 2015, 10, e0132812.	2.5	4
258	Model predictive control of linear systems with nonlinear terminal control. <i>International Journal of Robust and Nonlinear Control</i> , 2004, 14, 327-339.	3.7	3
259	Single-Locus Gametophytic Incompatibility in Autotetraploids. <i>Journal of Heredity</i> , 2005, 96, 430-433.	2.4	3
260	Timing and efficacy of insecticides for control of mussel scale, <i>Lepidosaphes ulmi</i> , on apple using predictive models. <i>Crop Protection</i> , 2012, 31, 58-66.	2.1	3
261	Hierarchical path planning and flight control of small autonomous helicopters using MPC techniques. , 2013, , .		3
262	Recursive filter with partial knowledge on inputs and outputs. <i>International Journal of Automation and Computing</i> , 2015, 12, 35-42.	4.5	3
263	Effect of controlled fluctuating low temperatures on survival of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>European Journal of Plant Pathology</i> , 2017, 147, 713-716.	1.7	3
264	Aerodrome situational awareness of unmanned aircraft: an integrated self-learning approach with Bayesian network semantic segmentation. <i>IET Intelligent Transport Systems</i> , 2018, 12, 868-874.	3.0	3
265	The effect of aggregation of pathogen and biocontrol microbe propagules on biocontrol potential: a simple modelling study. <i>Phytopathology Research</i> , 2020, 2, .	2.4	3
266	Molecular Assay Development to Monitor the Kinetics of Viable Populations of Two Biocontrol Agents, <i>Bacillus subtilis</i> QST 713 and <i>Gliocladium catenulatum</i> J1446, in the Phyllosphere of Lettuce Leaves. <i>Biology</i> , 2021, 10, 224.	2.8	3
267	Population structure, pathogenicity, and fungicide sensitivity of <i>Colletotrichum siamense</i> from different hosts in Hainan, China. <i>Plant Pathology</i> , 2021, 70, 1158-1167.	2.4	3
268	Integrating management of powdery mildew with <i>Botrytis</i> in protected strawberries in the UK. <i>Crop Protection</i> , 2022, 154, 105902.	2.1	3
269	Effective Biocontrol of Rice Blast through Dipping Transplants and Foliar Applications. <i>Agronomy</i> , 2022, 12, 592.	3.0	3
270	Field application of <i>Bacillus subtilis</i> and <i>Aureobasidium pullulans</i> to reduce <i>Monilinia laxa</i> post-harvest rot on cherry. <i>European Journal of Plant Pathology</i> , 0, , 1.	1.7	3

#	ARTICLE	IF	CITATIONS
271	UAV Multispectral Remote Sensing for Yellow Rust Mapping: Opportunities and Challenges. Smart Agriculture, 2022, , 107-122.	0.4	3
272	A modified model predictive control scheme. International Journal of Automation and Computing, 2005, 2, 101-106.	4.5	2
273	QFT Design for Spacecraft with Uncertain Flexible Structures. , 2006, , .		2
274	Sampling schemes for estimating spikelet incidence of Fusarium head blight. Annals of Applied Biology, 2007, 151, 341-347.	2.5	2
275	Robust nonlinear predictive control of a permanent magnet synchronous motor. , 2012, , .		2
276	Heterogeneity of Fusarium Head Blight of Wheat: Multi-scale Distributions and Temporal Variation in Relation to Environment. Plant Health Progress, 2012, 13, .	1.4	2
277	The limits of the binary power law describing spatial variability for incidence data. Plant Pathology, 2014, 63, 973-982.	2.4	2
278	Data-driven situation awareness algorithm for vehicle lane change. , 2016, , .		2
279	Information Based Mobile Sensor Planning for Source Term Estimation of a Non-Continuous Atmospheric Release. , 2018, , .		2
280	White rot of <i>Panax quinquefolius</i> caused by <i>Sclerotinia nivalis</i> . Plant Pathology, 2021, 70, 2034-2045.	2.4	2
281	The Effect of Temperature and Moisture on Colonization of Apple Fruit and Branches by <i>Botryosphaeria dothidea</i> . Phytopathology, 2022, 112, 1698-1709.	2.2	2
282	Stability of finite horizon optimisation based control without terminal weight. International Journal of Systems Science, 2022, 53, 3524-3537.	5.5	2
283	Development of an Autonomous control system for a small fixed pitch helicopter. , 2010, , .		1
284	Building an electric model vehicle and implementing an obstacle avoidance algorithm. , 2012, , .		1
285	Nonlinear state estimation with nonlinear equality constraints. , 2014, , .		1
286	Map-Enhanced Visual Taxiway Extraction for Autonomous Taxiing of UAVs—This work was supported by the U.K. Engineering and Physical Sciences Research Council (EPSRC) Autonomous and Intelligent Systems programme under the grant number EP/J011525/1 with BAE Systems as the leading industrial partner.. IFAC-PapersOnLine, 2015, 48, 49-54.	0.9	1
287	New Environmental Dependent Modelling with Gaussian Particle Filtering Based Implementation for Ground Vehicle Tracking. , 2016, , .		1
288	Actuator dynamics augmented DOBC for a small scale fixed wing UAV. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
289	Bayesian Estimation of A Periodically-Releasing Biochemical Source Using Sensor Networks. , 2018, , .		1
290	Bayesian Calibration of AquaCrop Model. , 2018, , .		1
291	Experimental Validation of Gaussian Process-Based Air-to-Ground Communication Quality Prediction in Urban Environments. Sensors, 2019, 19, 3221.	3.8	1
292	A meta-analytical assessment of the aggregation parameter of the binary power law for characterizing spatial heterogeneity of plant disease incidence. Phytopathology, 2021, , PHYTO02210056R.	2.2	1
293	Does apple canker develop independently on leaf scars of a single apple shoot?. New Zealand Plant Protection, 2021, 74, S9-S19.	0.3	1
294	On the gameâ€theoretic analysis of distributed generative adversarial networks. International Journal of Intelligent Systems, 2022, 37, 516-534.	5.7	1
295	Epidemiology and management of apple scab. Burleigh Dodds Series in Agricultural Science, 2019, , 3-20.	0.2	1
296	Genetic analysis of Colletotrichum siamense populations from different hosts and counties in Hainan, China using microsatellite markers. Plant Disease, 0, , .	1.4	1
297	Adaptive Feedback Control for a Class of Uncertain Nonlinear Systems with Dead-Zone. , 2008, , .		0
298	Coordinated standoff tracking of in- and out-of-surveillance targets using constrained particle filter for UAVs. , 2015, , .		0
299	Horticulture. Issues in Environmental Science and Technology, 2016, , 176-214.	0.4	0
300	What if we stopped using pesticides?. , 2020, , .		0
301	An Offline Closed-Form Optimal Predictive Power Management Strategy for Plug-In Hybrid Electric Vehicles. IEEE Transactions on Control Systems Technology, 2023, 31, 543-554.	5.2	0