

Youqing Luo

List of Publications by Year in descending order

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67
papers

1,235
citations

430754

18
h-index

395590

33
g-index

75
all docs

75
docs citations

75
times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecology and management of exotic and endemic Asian longhorned beetle <i>Anoplophora glabripennis</i> . <i>Agricultural and Forest Entomology</i> , 2009, 11, 359-375.	0.7	210
2	Antennal transcriptome analysis of the Asian longhorned beetle <i>Anoplophora glabripennis</i> . <i>Scientific Reports</i> , 2016, 6, 26652.	1.6	85
3	The Effect of Longwave Ultraviolet Light Radiation on <i>Dendrolimus tabulaeformis</i> Antioxidant and Detoxifying Enzymes. <i>Insects</i> , 2020, 11, 1.	1.0	79
4	Early detection of pine wilt disease using deep learning algorithms and UAV-based multispectral imagery. <i>Forest Ecology and Management</i> , 2021, 497, 119493.	1.4	74
5	Antifeedant Activity of <i>Ginkgo biloba</i> Secondary Metabolites against <i>Hyphantria cunea</i> Larvae: Mechanisms and Applications. <i>PLoS ONE</i> , 2016, 11, e0155682.	1.1	65
6	Antennal transcriptome analysis and expression profiles of olfactory genes in <i>Anoplophora chinensis</i> . <i>Scientific Reports</i> , 2017, 7, 15470.	1.6	58
7	Early detection of pine wilt disease in <i>Pinus tabulaeformis</i> in North China using a field portable spectrometer and UAV-based hyperspectral imagery. <i>Forest Ecosystems</i> , 2021, 8, 44.	1.3	43
8	Detection and Identification of the Invasive <i>Sirex noctilio</i> (Hymenoptera: Siricidae) Fungal Symbiont, <i>Amylostereum areolatum</i> (Russulales: Amylostereaceae), in China and the Stimulating Effect of Insect Venom on Laccase Production by <i>A. areolatum</i> YQL03. <i>Journal of Economic Entomology</i> , 2015, 108, 1136-1147.	0.8	41
9	Antennal transcriptome analysis and expression profiles of odorant binding proteins in <i>Eogystia hippophaecolus</i> (Lepidoptera: Cossidae). <i>BMC Genomics</i> , 2016, 17, 651.	1.2	36
10	Identification and tissue expression profiling of odorant binding protein genes in the red palm weevil, <i>Rhynchophorus ferrugineus</i> . <i>SpringerPlus</i> , 2016, 5, 1542.	1.2	33
11	Three-Dimensional Convolutional Neural Network Model for Early Detection of Pine Wilt Disease Using UAV-Based Hyperspectral Images. <i>Remote Sensing</i> , 2021, 13, 4065.	1.8	33
12	Antennal morphology and sensillar ultrastructure of <i>Dastarcus helophoroides</i> (Fairmaire) (Coleoptera: Bothriideridae). <i>Micron</i> , 2012, 43, 921-928.	1.1	32
13	Effects of pine wilt disease invasion on soil properties and Masson pine forest communities in the Three Gorges reservoir region, China. <i>Ecology and Evolution</i> , 2015, 5, 1702-1716.	0.8	32
14	A machine learning algorithm to detect pine wilt disease using UAV-based hyperspectral imagery and LiDAR data at the tree level. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 101, 102363.	1.4	27
15	DNA Barcoding of Gypsy Moths From China (Lepidoptera: Erebidae) Reveals New Haplotypes and Divergence Patterns Within Gypsy Moth Subspecies. <i>Journal of Economic Entomology</i> , 2016, 109, 366-374.	0.8	23
16	Effects of endophytic fungi diversity in different coniferous species on the colonization of <i>Sirex noctilio</i> (Hymenoptera: Siricidae). <i>Scientific Reports</i> , 2019, 9, 5077.	1.6	23
17	Ecdysteroid titers and expression of <i>Halloween</i> genes and ecdysteroid receptor in relation to overwintering and the long larval phase in the seabuckthorn carpenterworm, <i>Hopllocerus hippophaecolus</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2016, 160, 133-146.	0.7	21
18	Identification of <i>Sirex noctilio</i> (Hymenoptera: Siricidae) Using a Species-Specific Cytochrome C Oxidase Subunit I PCR Assay. <i>Journal of Economic Entomology</i> , 2016, 109, 1424-1430.	0.8	21

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19	Evidence for the signaling role of methyl jasmonate, methyl salicylate and benzothiazole between poplar (<i>Populus simonii</i> — <i>P. pyramidalis</i> 8277™) cuttings. <i>Trees - Structure and Function</i> , 2009, 230.9 1003-1011.	0.9	16
20	Ultrastructure of antennal and posterior abdominal sensilla in <i>Chlorophorus caragana</i> females. <i>Micron</i> , 2015, 75, 45-57.	1.1	16
21	EAG response and behavioral orientation of <i>Dastarcus helophoroides</i> (Fairmaire) (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	16
22	Characterization and expression profiling of odorant-binding proteins in <i>Anoplophora glabripennis</i> Motsch. <i>Gene</i> , 2019, 693, 25-36.	1.0	16
23	The influence of geographic population, age, and mating status on the flight activity of the Asian gypsy moth <i>Lymantria dispar</i> (Lepidoptera: Erebidae) in China. <i>Applied Entomology and Zoology</i> , 2017, 52, 265-270.	0.6	13
24	Gut Structure and Microbial Communities in <i>Sirex noctilio</i> (Hymenoptera: Siricidae) and Their Predicted Contribution to Larval Nutrition. <i>Frontiers in Microbiology</i> , 2021, 12, 641141.	1.5	12
25	Hyperspectral evidence of early-stage pine shoot beetle attack in Yunnan pine. <i>Forest Ecology and Management</i> , 2021, 497, 119505.	1.4	12
26	Evaluating the Potential of WorldView-3 Data to Classify Different Shoot Damage Ratios of <i>Pinus yunnanensis</i> . <i>Forests</i> , 2020, 11, 417.	0.9	11
27	Genome Sequencing and Analysis of the Fungal Symbiont of <i>Sirex noctilio</i> , <i>Amylostereum areolatum</i> : Revealing the Biology of Fungus-Insect Mutualism. <i>MSphere</i> , 2020, 5, .	1.3	11
28	Genes Identification, Molecular Docking and Dynamics Simulation Analysis of Laccases from <i>Amylostereum areolatum</i> Provides Molecular Basis of Laccase Bound to Lignin. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8845.	1.8	9
29	Combining WV-2 images and tree physiological factors to detect damage stages of <i>Populus gansuensis</i> by Asian longhorned beetle (<i>Anoplophora glabripennis</i>) at the tree level. <i>Forest Ecosystems</i> , 2021, 8, .	1.3	9
30	Niche of insect borers within <i>Pinus massoniana</i> infected by pine wood nematode. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2006, 1, 460-463.	0.2	8
31	Remote sensing of insect pests in larch forest based on physical model. , 2010, , .		8
32	Identifi cation of Volatile Compounds Emitted by <i>Artemisia ordosica</i> (Artemisia, Asteraceae) and Changes due to Mechanical Damage and Weevil Infestation. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2013, 68, 313-317.	0.6	8
33	Effect of <i>Bursaphelenchus xylophilus</i> infection on leaf photosynthetic characteristics and resource use efficiency of <i>Pinus massoniana</i> . <i>Ecology and Evolution</i> , 2017, 7, 3455-3463.	0.8	8
34	Pheromone Binding Protein EhipBBP1 Is Highly Enriched in the Male Antennae of the Seabuckthorn Carpenterworm and Is Binding to Sex Pheromone Components. <i>Frontiers in Physiology</i> , 2018, 9, 447.	1.3	8
35	Pest risk assessment of <i>Dendroctonus valens</i> , <i>Hyphantria cunea</i> and <i>Apriona swainsoni</i> in Beijing. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2006, 1, 328-335.	0.2	7
36	Patterns of biomass, carbon, and nitrogen storage distribution dynamics after the invasion of pine forests by <i>Bursaphelenchus xylophilus</i> (Nematoda: Aphelenchoididae) in the three Gorges Reservoir Region. <i>Journal of Forestry Research</i> , 2018, 29, 459-470.	1.7	7

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37	Niche-based relationship between sympatric bark living insect pests and tree vigor decline of <i>Pinus yunnanensis</i> . <i>Journal of Applied Entomology</i> , 2019, 143, 1161-1171.	0.8	7
38	Opportunities to improve China's biodiversity protection laws. <i>Nature Ecology and Evolution</i> , 2021, 5, 726-732.	3.4	7
39	Diversity of soil microorganisms in natural <i>Populus euphratica</i> forests in Xinjiang, northwestern China. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 347-351.	0.2	6
40	Similar Metabolic Changes Induced by HIPVs Exposure as Herbivore in <i>Ammopiptanthus mongolicus</i> . <i>PLoS ONE</i> , 2014, 9, e95474.	1.1	6
41	Effects of stand and landscape level variables on shoot damage ratios caused by shoot beetles in Southwest China. <i>Forest Ecology and Management</i> , 2022, 507, 120030.	1.4	6
42	Fusion of UAV Hyperspectral Imaging and LiDAR for the Early Detection of EAB Stress in Ash and a New EAB Detection Index—NDVI(776,678). <i>Remote Sensing</i> , 2022, 14, 2428.	1.8	6
43	Sensilla on six olfactory organs of male <i>Eogystia hippophaecolus</i> (Lepidoptera: Cossidae). <i>Microscopy Research and Technique</i> , 2018, 81, 1059-1070.	1.2	5
44	Thermal survival limits of larvae and adults of <i>Sirex noctilio</i> (Hymenoptera: Siricidae) in China. <i>PLoS ONE</i> , 2019, 14, e0218888.	1.1	5
45	Identification and Validation of Reference Genes for Gene Expression Analysis in Different Development Stages of <i>Amylostereum areolatum</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 827241.	1.5	5
46	Invasion History of <i>Sirex noctilio</i> Based on COI Sequence: The First Six Years in China. <i>Insects</i> , 2020, 11, 111.	1.0	4
47	Comparison of Wing, Ovipositor, and Cornus Morphologies between <i>Sirex noctilio</i> and <i>Sirex nitobei</i> Using Geometric Morphometrics. <i>Insects</i> , 2020, 11, 84.	1.0	4
48	On the Ecology and Conservation of <i>Sericinus montelus</i> (Lepidoptera: Papilionidae) – Its Threats in Xiaolongshan Forests Area (China). <i>PLoS ONE</i> , 2016, 11, e0150833.	1.1	4
49	Acoustic Denoising Using Artificial Intelligence for Wood-Boring Pests <i>Semanotus bifasciatus</i> Larvae Early Monitoring. <i>Sensors</i> , 2022, 22, 3861.	2.1	4
50	Developmental threshold temperature and effective accumulative temperature of pupae and eggs of <i>Holcocerus hippophaecolus</i> . <i>Forestry Studies in China</i> , 2004, 6, 34-38.	0.4	3
51	Response of pine forest to disturbance of pine wood nematode with interpretative structural model. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009, 4, 117-122.	0.2	3
52	Overwintering Larval Cold Tolerance of <i>Sirex noctilio</i> (Hymenoptera: Siricidae): Geographic Variation in Northeast China. <i>Insects</i> , 2021, 12, 116.	1.0	3
53	Mongolian pine forest decline by the combinatory effect of European woodwasp and plant pathogenic fungi. <i>Scientific Reports</i> , 2021, 11, 19643.	1.6	3
54	Early Detection of <i>Dendroctonus valens</i> Infestation with Machine Learning Algorithms Based on Hyperspectral Reflectance. <i>Remote Sensing</i> , 2022, 14, 1373.	1.8	3

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55	Development of Semiochemical Attractants for Monitoring and Controlling <i>Chlorophorus caragana</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2013, 68, 243-252.	0.6	2
56	Development and characterization of polymorphic genomic-SSR markers in Asian long-horned beetle (<i>Anoplophora glabripennis</i>). <i>Bulletin of Entomological Research</i> , 2017, 107, 749-755.	0.5	2
57	Incidental Fungi in Host Trees Disrupt the Development of <i>Sirex noctilio</i> (Hymenoptera: Siricidae) Symbiotic Fungus and Larvae. <i>Journal of Economic Entomology</i> , 2020, 113, 832-838.	0.8	2
58	Flexible dispersive liquid-liquid microextraction for on-site sample pre-concentration. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 281-299.	1.8	2
59	Multilocus Genotyping and Intergenic Spacer Single Nucleotide Polymorphisms of <i>Amylostereum areolatum</i> (Russulales: Amylostereaceae) Symbionts of Native and Non-Native <i>Sirex</i> Species. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 1065.	1.5	2
60	Identification and Validation of Reference Genes for Gene Expression Analysis in <i>Monochamus saltuarius</i> Under <i>Bursaphelenchus xylophilus</i> Treatment. <i>Frontiers in Physiology</i> , 2022, 13, 882792.	1.3	2
61	Comparative Study of the Volatiles Composition of Healthy and Larvae-Infested <i>Artemisia ordosica</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2013, 68, 8-12.	0.6	1
62	Impact of <i>Chlorophorus caragana</i> damage on nutrient contents of <i>Caragana korshinskii</i> . <i>Journal of Plant Interactions</i> , 2014, 9, 488-493.	1.0	1
63	Effects of Catastrophic Insect Outbreaks on the Harvesting Solutions of Dahurian Larch Plantations. <i>International Journal of Forestry Research</i> , 2015, 2015, 1-12.	0.2	1
64	Impact of <i>Arceuthobium sichuanense</i> infection on needles and current-year shoots of <i>Picea crassifolia</i> and <i>Picea purpurea</i> in Qinghai Province, China. <i>European Journal of Plant Pathology</i> , 2017, 147, 845-854.	0.8	1
65	Pheromone biosynthetic pathway and chemoreception proteins in sex pheromone gland of <i>Eogystia hippophaecolus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 35, 100702.	0.4	1
66	Climate Drivers of Pine Shoot Beetle Outbreak Dynamics in Southwest China. <i>Remote Sensing</i> , 2022, 14, 2728.	1.8	1
67	A LAMP Assay for the Detection of <i>Thecodiplosis japonensis</i> , an Alien Gall Midge Species Pest of Pine Trees. <i>Insects</i> , 2022, 13, 540.	1.0	1