Youqing Luo

List of Publications by Year
in descending order

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	Effects of stand and landscape level variables on shoot damage ratios caused by shoot beetles in Southwest China. Forest Ecology and Management, 2022, 507, 120030.	1.4	6
2	Early Detection of Dendroctonus valens Infestation with Machine Learning Algorithms Based on Hyperspectral Reflectance. Remote Sensing, 2022, 14, 1373.	1.8	3
3	Identification and Validation of Reference Genes for Gene Expression Analysis in Monochamus saltuarius Under Bursaphelenchus xylophilus Treatment. Frontiers in Physiology, 2022, 13, 882792.	1.3	2
4	Acoustic Denoising Using Artificial Intelligence for Wood-Boring Pests Semanotus bifasciatus Larvae Early Monitoring. Sensors, 2022, 22, 3861.	2.1	4
5	Fusion of UAV Hyperspectral Imaging and LiDAR for the Early Detection of EAB Stress in Ash and a New EAB Detection Indexâ€"NDVI(776,678). Remote Sensing, 2022, 14, 2428.	1.8	6
6	Climate Drivers of Pine Shoot Beetle Outbreak Dynamics in Southwest China. Remote Sensing, 2022, 14, 2728.	1.8	1
7	A LAMP Assay for the Detection of Thecodiplosis japonensis, an Alien Gall Midge Species Pest of Pine Trees. Insects, 2022, 13, 540.	1.0	1
8	Flexible dispersive liquidâ€"liquid microextraction for on-site sample pre-concentration. International Journal of Environmental Analytical Chemistry, 2021, 101, 281-299.	1.8	2
9	Gut Structure and Microbial Communities in Sirex noctilio (Hymenoptera: Siricidae) and Their Predicted Contribution to Larval Nutrition. Frontiers in Microbiology, 2021, 12, 641141.	1.5	12
10	Opportunities to improve Chinaâ€™s biodiversity protection laws. Nature Ecology and Evolution, 2021, 5, 726-732.	3.4	7
11	Combining WV-2 images and tree physiological factors to detect damage stages of Populus gansuensis by Asian longhorned beetle (Anoplophora glabripennis) at the tree level. Forest Ecosystems, 2021, 8, .	1.3	9
12	Early detection of pine wilt disease in Pinus tabuliformis in North China using a field portable spectrometer and UAV-based hyperspectral imagery. Forest Ecosystems, 2021, 8, 44.	1.3	43
13	A machine learning algorithm to detect pine wilt disease using UAV-based hyperspectral imagery and LiDAR data at the tree level. International Journal of Applied Earth Observation and Geoinformation, 2021, 101, 102363.	1.4	27
14	Hyperspectral evidence of early-stage pine shoot beetle attack in Yunnan pine. Forest Ecology and Management, 2021, 497, 119505.	1.4	12
15	Early detection of pine wilt disease using deep learning algorithms and UAV-based multispectral imagery. Forest Ecology and Management, 2021, 497, 119493.	1.4	74
16	Overwintering Larval Cold Tolerance of Sirex noctilio (Hymenoptera: Siricidae): Geographic Variation in Northeast China. Insects, 2021, 12, 116.	1.0	3
17	Mongolian pine forest decline by the combinatory effect of European woodwasp and plant pathogenic fungi. Scientific Reports, 2021, 11, 19643.	1.6	3
18	Three-Dimensional Convolutional Neural Network Model for Early Detection of Pine Wilt Disease Using UAV-Based Hyperspectral Images. Remote Sensing, 2021, 13, 4065.	1.8	33

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19	Identification and Validation of Reference Genes for Gene Expression Analysis in Different Development Stages of Amylostereum areolatum. Frontiers in Microbiology, 2021, 12, 827241.	1.5	5
20	Multilocus Genotyping and Intergenic Spacer Single Nucleotide Polymorphisms of Amylostereum areolatum (Russulales: Amylostereacea) Symbionts of Native and Non-Native Sirex Species. Journal of Fungi (Basel, Switzerland), 2021, 7, 1065.	1.5	2
21	Incidental Fungi in Host Trees Disrupt the Development of Sirex noctilio (Hymenoptera: Siricidae) Symbiotic Fungus and Larvae. Journal of Economic Entomology, 2020, 113, 832-838.	0.8	2
22	The Effect of Longwave Ultraviolet Light Radiation on Dendrolimus tabulaeformis Antioxidant and Detoxifying Enzymes. Insects, 2020, 11, 1.	1.0	79
23	Genes Identification, Molecular Docking and Dynamics Simulation Analysis of Laccases from Amylostereum areolatum Provides Molecular Basis of Laccase Bound to Lignin. International Journal of Molecular Sciences, 2020, 21, 8845.	1.8	9
24	Evaluating the Potential of WorldView-3 Data to Classify Different Shoot Damage Ratios of Pinus yunnanensis. Forests, 2020, 11, 417.	0.9	11
25	Genome Sequencing and Analysis of the Fungal Symbiont of Sirex noctilio, Amylostereum areolatum: Revealing the Biology of Fungus-Insect Mutualism. MSphere, 2020, 5, .	1.3	11
26	Pheromone biosynthetic pathway and chemoreception proteins in sex pheromone gland of Eogystia hippophaecolus. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2020, 35, 100702.	0.4	1
27	Invasion History of Sirex noctilio Based on COI Sequence: The First Six Years in China. Insects, 2020, 11, 111.	1.0	4
28	Comparison of Wing, Ovipositor, and Cornus Morphologies between Sirex noctilio and Sirex nitobei Using Geometric Morphometrics. Insects, 2020, 11, 84.	1.0	4
29	Thermal survival limits of larvae and adults of Sirex noctilio (Hymenoptera: Siricidae) in China. PLoS ONE, 2019, 14, e0218888.	1.1	5
30	Characterization and expression profiling of odorant-binding proteins in Anoplophora glabripennis Motsch. Gene, 2019, 693, 25-36.	1.0	16
31	Effects of endophytic fungi diversity in different coniferous species on the colonization of Sirex noctilio (Hymenoptera: Siricidae). Scientific Reports, 2019, 9, 5077.	1.6	23
32	Nicheâ€based relationship between sympatric bark living insect pests and tree vigor decline of Pinus yunnanensis. Journal of Applied Entomology, 2019, 143, 1161-1171.	0.8	7
33	Patterns of biomass, carbon, and nitrogen storage distribution dynamics after the invasion of pine forests by Bursaphelenchus xylophilus (Nematoda: Aphelenchoididae) in the three Gorges Reservoir Region. Journal of Forestry Research, 2018, 29, 459-470.	1.7	7
34	Sensilla on six olfactory organs of male Eogystia hippophaecolus (Lepidoptera: Cossidae). Microscopy Research and Technique, 2018, 81, 1059-1070.	1.2	5
35	Pheromone Binding Protein EhipPBP1 Is Highly Enriched in the Male Antennae of the Seabuckthorn Carpenterworm and Is Binding to Sex Pheromone Components. Frontiers in Physiology, 2018, 9, 447.	1.3	8
36	Development and characterization of polymorphic genomic-SSR markers in Asian long-horned beetle (Anoplophora glabripennis). Bulletin of Entomological Research, 2017, 107, 749-755.	0.5	2

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37	Effect of Bursaphelenchus xylophilus infection on leaf photosynthetic characteristics and resourceâ€use efficiency of Pinus massoniana. Ecology and Evolution, 2017, 7, 3455-3463.	0.8	8
38	Antennal transcriptome analysis and expression profiles of olfactory genes in Anoplophora chinensis. Scientific Reports, 2017, 7, 15470.	1.6	58
39	The influence of geographic population, age, and mating status on the flight activity of the Asian gypsy moth Lymantria dispar (Lepidoptera: Erebidae) in China. Applied Entomology and Zoology, 2017, 52, 265-270.	0.6	13
40	Impact of Arceuthobium sichuanense infection on needles and current-year shoots of Picea crassifolia and Picea purpurea in Qinghai Province, China. European Journal of Plant Pathology, 2017, 147, 845-854.	0.8	1
41	EAG response and behavioral orientation of Dastarcus helophoroides (Fairmaire) (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.1	16
42	Identification and tissue expression profiling of odorant binding protein genes in the red palm weevil, Rhynchophorus ferrugineus. SpringerPlus, 2016, 5, 1542.	1.2	33
43	Ecdysteroid titers and expression of Halloween genes and ecdysteroid receptor in relation to overwintering and the long larval phase in the seabuckthorn carpenterworm, <scp>H</scp>olcocerus hippophaecolus. Entomologia Experimentalis Et Applicata, 2016, 160, 133-146.	0.7	21
44	Antennal transcriptome analysis and expression profiles of odorant binding proteins in Eogystia hippophaecolus (Lepidoptera: Cossidae). BMC Genomics, 2016, 17, 651.	1.2	36
45	Antennal transcriptome analysis of the Asian longhorned beetle Anoplophora glabripennis. Scientific Reports, 2016, 6, 26652.	1.6	85
46	Identification ofSirex noctilio(Hymenoptera: Siricidae) Using a Species-Specific Cytochrome C Oxidase Subunit I PCR Assay. Journal of Economic Entomology, 2016, 109, 1424-1430.	0.8	21
47	DNA Barcoding of Gypsy Moths From China (Lepidoptera: Erebidae) Reveals New Haplotypes and Divergence Patterns Within Gypsy Moth Subspecies. Journal of Economic Entomology, 2016, 109, 366-374.	0.8	23
48	On the Ecology and Conservation of Sericinus montelus (Lepidoptera: Papilionidae) â€“ Its Threats in Xiaolongshan Forests Area (China). PLoS ONE, 2016, 11, e0150833.	1.1	4
49	Antifeedant Activity of Ginkgo biloba Secondary Metabolites against Hyphantria cunea Larvae: Mechanisms and Applications. PLoS ONE, 2016, 11, e0155682.	1.1	65
50	Effects of pine wilt disease invasion on soil properties and Masson pine forest communities in the Three Gorges reservoir region, China. Ecology and Evolution, 2015, 5, 1702-1716.	0.8	32
51	Effects of Catastrophic Insect Outbreaks on the Harvesting Solutions of Dahurian Larch Plantations. International Journal of Forestry Research, 2015, 2015, 1-12.	0.2	1
52	Ultrastructure of antennal and posterior abdominal sensilla in Chlorophorus caragana females. Micron, 2015, 75, 45-57.	1.1	16
53	Detection and Identification of the Invasive Sirex noctilio (Hymenoptera: Siricidae) Fungal Symbiont, Amylostereum areolatum (Russulales: Amylostereacea), in China and the Stimulating Effect of Insect Venom on Laccase Production by A. areolatum YQL03. Journal of Economic Entomology, 2015, 108, 1136-1147.	0.8	41
54	Similar Metabolic Changes Induced by HIPVs Exposure as Herbivore in Ammopiptanthus mongolicus. PLoS ONE, 2014, 9, e95474.	1.1	6

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55	Impact of Chlorophorus caragana damage on nutrient contents of Caragana korshinskii. Journal of Plant Interactions, 2014, 9, 488-493.	1.0	1
56	Comparative Study of the Volatilesâ€™ Composition of Healthy and Larvae-Infested Artemisia ordosica. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2013, 68, 8-12.	0.6	1
57	Identifi cation of Volatile Compounds Emitted by Artemisia ordosica (Artemisia, Asteraceae) and Changes due to Mechanical Damage and Weevil Infestation. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2013, 68, 313-317.	0.6	8
58	Development of Semiochemical Attractants for Monitoring and Controlling Chlorophorus caragana. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2013, 68, 243-252.	0.6	2
59	Antennal morphology and sensillar ultrastructure of Dastarcus helophoroides (Fairmaire) (Coleoptera: Bothrideridae). Micron, 2012, 43, 921-928.	1.1	32
60	Remote sensing of insect pests in larch forest based on physical model. , 2010, , .		8
61	Evidence for the signaling role of methyl jasmonate, methyl salicylate and benzothiazole between poplar (Populus simoniiÂÂ—ÂP. pyramidalis â€˜Opera 8277â€™) cuttings. Trees - Structure and Function, 2009, 23 1003-1011.	0.9	16
62	Response of pine forest to disturbance of pine wood nematode with interpretative structural model. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2009, 4, 117-122.	0.2	3
63	Ecology and management of exotic and endemic Asian longhorned beetle Anoplophora glabripennis. Agricultural and Forest Entomology, 2009, 11, 359-375.	0.7	210
64	Diversity of soil microorganisms in natural Populus euphratica forests in Xinjiang, northwestern China. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2008, 3, 347-351.	0.2	6
65	Pest risk assessment of Dendroctonus valens, Hyphantria cunea and Apriona swainsoni in Beijing. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2006, 1, 328-335.	0.2	7
66	Niche of insect borers within Pinus massoniana infected by pine wood nematode. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2006, 1, 460-463.	0.2	8
67	Developmental threshold temperature and effective accumulative temperature of pupae and eggs of Holcocerus hippophaecolus. Forestry Studies in China, 2004, 6, 34-38.	0.4	3