

Lili Ren

List of Publications by Year in descending order

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45
papers

676
citations

687220

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24
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51
all docs

51
docs citations

51
times ranked

503
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Early detection of pine wilt disease in <i>Pinus tabuliformis</i> in North China using a field portable spectrometer and UAV-based hyperspectral imagery. <i>Forest Ecosystems</i> , 2021, 8, 44.	1.3	43
5	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
6	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
7	Antennal morphology and sensillar ultrastructure of <i>Dastarcus helophoroides</i> (Fairmaire) (Coleoptera: Bothriideridae). <i>Micron</i> , 2012, 43, 921-928.	1.1	32
8	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
9	Combining GF-2 and Sentinel-2 Images to Detect Tree Mortality Caused by Red Turpentine Beetle during the Early Outbreak Stage in North China. <i>Forests</i> , 2020, 11, 172.	0.9	24
10	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
11	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
12	Ultrastructure of antennal and posterior abdominal sensilla in <i>Chlorophorus caragana</i> females. <i>Micron</i> , 2015, 75, 45-57.	1.1	16
13	Comparative transcriptome analysis of the newly discovered insect vector of the pine wood nematode in China, revealing putative genes related to host plant adaptation. <i>BMC Genomics</i> , 2021, 22, 189.	1.2	14
14	Morphology of antennal, maxillary palp and labial palp sensilla in different larval instars of the Asian longhorned beetle, <i>Anoplophora glabripennis</i> (Motschulsky) (Coleoptera: Cerambycidae). <i>Acta Zoologica</i> , 2017, 98, 20-31.	0.6	13
15	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
16	Hyperspectral evidence of early-stage pine shoot beetle attack in Yunnan pine. <i>Forest Ecology and Management</i> , 2021, 497, 119505.	1.4	12
17	The larval sensilla on the antennae and mouthparts of five species of Cossidae (Lepidoptera). <i>Canadian Journal of Zoology</i> , 2017, 95, 611-622.	0.4	11
18	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

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19	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
20	Comparative morphology of sensilla on antenna, maxillary palp and labial palp of larvae of <i>Eucryptorrhynchus scrobiculatus</i> (Olivier) and <i>E. Åbrandti</i> (Harold) (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697	1.0	6
21	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
22	Factors Influencing Cold Hardiness during Overwintering of <i>Streltzoviella insularis</i> (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.8	9
23	Seasonal Shifts in Cold Tolerance and the Composition of the Gut Microbiome of <i>Dendroctonus valens</i> LeConte Occur Concurrently. <i>Forests</i> , 2021, 12, 888.	0.9	8
24	Proteo-Transcriptomic Characterization of <i>Sirex nitobei</i> (Hymenoptera: Siricidae) Venom. <i>Toxins</i> , 2021, 13, 562.	1.5	7
25	Growth dynamics of galls and chemical defence response of <i>Pinus thunbergii</i> Parl. to the pine needle gall midge, <i>Thecodiplosis japonensis</i> Uchida & Inouye (Diptera: Cecidomyiidae). <i>Scientific Reports</i> , 2020, 10, 12289.	1.6	6
26	Transcriptomic and Metabolomic Data Reveal the Key Metabolic Pathways Affecting <i>Streltzoviella insularis</i> (Staudinger) (Lepidoptera: Cossidae) Larvae During Overwintering. <i>Frontiers in Physiology</i> , 2021, 12, 655059.	1.3	6
27	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
28	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
29	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
30	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
31	A Waveform Mapping-Based Approach for Enhancement of Trunk Borers'™ Vibration Signals Using Deep Learning Model. <i>Insects</i> , 2022, 13, 596.	1.0	5
32	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
33	Full-Length Transcriptome Sequencing-Based Analysis of <i>Pinus sylvestris</i> var. <i>mongolica</i> in Response to <i>Sirex noctilio</i> Venom. <i>Insects</i> , 2022, 13, 338.	1.0	4
34	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
35	Comparative morphology of sensilla on antenna, maxillary palp and labial palp of larvae of white-spotted and yellow-spotted Asian long-horned beetle, <i>Anoplophora glabripennis</i> Motschulsky (Coleoptera: Cerambycidae). <i>Entomological Research</i> , 2017, 47, 3-10.	0.6	3
36	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

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37	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
38	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
39	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
40	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
41	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
42	Movement Behavior of the Pine Needle Gall Midge (Diptera: Cecidomyiidae). <i>Journal of Insect Science</i> , 2020, 20, .	0.6	1
43	Climate Drivers of Pine Shoot Beetle Outbreak Dynamics in Southwest China. <i>Remote Sensing</i> , 2022, 14, 2728.	1.8	1
44	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
45	Algorithm for Extracting the 3D Pose Information of <i>Hyphantria cunea</i> (Drury) with Monocular Vision. <i>Agriculture</i> (Switzerland), 2022, 12, 507.	1.4	0