

Xiao-Yi Wang

List of Publications by Year in descending order

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papers

789
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471509

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docs citations

43
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599
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#	ARTICLE	IF	CITATIONS
1	The Biology and Ecology of the Emerald Ash Borer, <i>Agrilus planipennis</i> , in China. <i>Journal of Insect Science</i> , 2010, 10, 1-23.	1.5	111
2	Recent advances in biological control of important native and invasive forest pests in China. <i>Biological Control</i> , 2014, 68, 117-128.	3.0	98
3	Mass rearing and augmentative releases of the native parasitoid <i>Chouioia cunea</i> for biological control of the introduced fall webworm <i>Hyphantria cunea</i> in China. <i>BioControl</i> , 2006, 51, 401-418.	2.0	47
4	Host-seeking behavior and parasitism by <i>Spathius agrili</i> Yang (Hymenoptera: Braconidae), a parasitoid of the emerald ash borer. <i>Biological Control</i> , 2010, 52, 24-29.	3.0	42
5	Effects of host size on the sex ratio, clutch size, and size of adult <i>Spathius agrili</i> , an ectoparasitoid of emerald ash borer. <i>Biological Control</i> , 2008, 44, 7-12.	3.0	38
6	A New Species of <i>Sclerodermus</i> (Hymenoptera: Bethyilidae) Parasitizing <i>Agrilus planipennis</i> (Coleoptera: Buprestidae) from China, with a Key to Chinese Species in the Genus. <i>Annals of the Entomological Society of America</i> , 2012, 105, 619-627.	2.5	37
7	Relationships between Body Size and Parasitic Fitness and Offspring Performance of <i>Sclerodermus pupariae</i> Yang et Yao (Hymenoptera: Bethyilidae). <i>PLoS ONE</i> , 2016, 11, e0156831.	2.5	35
8	Host specificity of <i>Spathius agrili</i> Yang (Hymenoptera: Braconidae), an important parasitoid of the emerald ash borer. <i>Biological Control</i> , 2008, 47, 216-221.	3.0	31
9	The developmental strategies and related profitability of an idiobiont ectoparasitoid <i>Sclerodermus pupariae</i> vary with host size. <i>Ecological Entomology</i> , 2014, 39, 101-108.	2.2	28
10	Trade-offs in parasitism efficiency and brood size mediate parasitoid coexistence, with implications for biological control of the invasive emerald ash borer. <i>Journal of Applied Ecology</i> , 2015, 52, 1255-1263.	4.0	26
11	Sensilla on the antennae, legs and ovipositor of <i>Spathius agrili</i> Yang (Hymenoptera: Braconidae). <i>Journal of Applied Entomology</i> , 2016, 137, 469-475.	2.2	24
12	Mortality factors of <i>Anoplophora glabripennis</i> (Coleoptera: Cerambycidae) infesting <i>Salix</i> and <i>Populus</i> in central, northwest, and northeast China. <i>Biological Control</i> , 2018, 126, 198-208.	3.0	23
13	Retrospective analysis of factors affecting the distribution of an invasive wood-boring insect using native range data: the importance of host plants. <i>Journal of Pest Science</i> , 2021, 94, 981-990.	3.7	22
14	Biology and Behavior of <i>Spathius agrili</i> , a Parasitoid of the Emerald Ash Borer, <i>Agrilus planipennis</i> , in China. <i>Journal of Insect Science</i> , 2010, 10, 1-13.	1.5	21
15	Natural enemies of emerald ash borer (Coleoptera: Buprestidae) in northeast China, with notes on two species of parasitic Coleoptera. <i>Canadian Entomologist</i> , 2016, 148, 329-342.	0.8	21
16	Ecological mechanisms and prospects for utilization of toxins from parasitic hymenopterans. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 1-9.	0.2	20
17	Effects of learning experience on behaviour of the generalist parasitoid <i>Sclerodermus pupariae</i> to novel hosts. <i>Journal of Applied Entomology</i> , 2013, 137, 469-475.	1.8	17
18	Exploring the potential for novel associations of generalist parasitoids for biological control of invasive woodboring beetles. <i>BioControl</i> , 2021, 66, 97-112.	2.0	15

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19	Molecular Identification of Sibling Species of <i>Sclerodermus</i> (Hymenoptera: Bethyridae) That Parasitize Buprestid and Cerambycid Beetles by Using Partial Sequences of Mitochondrial DNA Cytochrome Oxidase Subunit 1 and 28S Ribosomal RNA Gene. <i>PLoS ONE</i> , 2015, 10, e0119573.	2.5	14
20	Introduced plants induce outbreaks of a native pest and facilitate invasion in the plants' native range: Evidence from the emerald ash borer. <i>Journal of Ecology</i> , 2022, 110, 593-604.	4.0	14
21	Potency of some novel insecticides at various environmental temperatures on <i>Myzus persicae</i> . <i>Phytoparasitica</i> , 2007, 35, 414-422.	1.2	11
22	Effects of biotic and abiotic factors on phenotypic partitioning of wing morphology and development in <i>Sclerodermus pupariae</i> (Hymenoptera: Bethyridae). <i>Scientific Reports</i> , 2016, 6, 26408.	3.3	10
23	Relationships between the emergence and oviposition of ectoparasitoid <i>Spathius agrili</i> Yang and its host emerald ash borer, <i>Agrilus planipennis</i> Fairmaire. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2007, 2, 453-458.	0.2	8
24	Effects of photoperiod and light intensity on wing dimorphism and development in the parasitoid <i>Sclerodermus pupariae</i> (Hymenoptera: Bethyridae). <i>Biological Control</i> , 2019, 133, 117-122.	3.0	8
25	A New Egg Parasitoid Species (Hymenoptera: Pteromalidae) of <i>Monochamus alternatus</i> (Coleoptera: Cerambycidae), With Notes on Its Biology. <i>Annals of the Entomological Society of America</i> , 2014, 107, 407-412.	2.5	7
26	Biology and natural enemies of <i>Agrilus fleischeri</i> (Coleoptera: Buprestidae), a newly emerging destructive buprestid pest in Northeast China. <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 47-52.	0.9	7
27	The complete mitochondrial genome of the jewel beetle <i>Coraebus cavifrons</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT / Overlock 0.4	0.4	7
28	<i>Trichospilus albiflagellatus</i> (Hymenoptera: Eulophidae), a New Species Parasitizing Pupa of <i>Hyphantria cunea</i> (Lepidoptera: Arctiidae) in China. <i>Annals of the Entomological Society of America</i> , 2015, 108, 641-647.	2.5	6
29	Host utilization, reproductive biology, and development of the larval parasitoid <i>Tetrastichus planipennisi</i> as influenced by temperature: Implications for biological control of the emerald ash borer in North America. <i>Biological Control</i> , 2018, 125, 50-56.	3.0	6
30	Mitochondrial DNA analysis reveals spatial genetic structure and high genetic diversity of <i>Massicus raddei</i> (Blessig) (Coleoptera: Cerambycidae) in China. <i>Ecology and Evolution</i> , 2020, 10, 11657-11670.	1.9	6
31	Discovery of Parasitoids of <i>Anoplophora glabripennis</i> (Coleoptera: Cerambycidae) and Their Seasonal Abundance in China Using Sentinel Host Eggs and Larvae. <i>Journal of Economic Entomology</i> , 2020, 113, 1656-1665.	1.8	6
32	The complete mitochondrial genome of the jewel beetle <i>Trachys variolaris</i> (Coleoptera: Tj ETQq0 0 0 rgBT / Overlock 0.4 10 Tf 50 22	0.4	5
33	Biomass evaluation of concealed insect pests at parasitism based on allometric scaling laws. <i>Phytoparasitica</i> , 2013, 41, 435-441.	1.2	3
34	Two new species of <i>Oobius</i> (Hymenoptera: Encyrtidae) and their phylogenetic relationship with other congeners from northeastern Asia. <i>Canadian Entomologist</i> , 2018, 150, 303-316.	0.8	3
35	A new species of <i>Cerchysiella</i> (Hymenoptera: Encyrtidae) parasitic in larva of chestnut trunk borer (Coleoptera: Cerambycidae) from China with notes on its biology. <i>Journal of Natural History</i> , 2013, 47, 129-138.	0.5	2
36	Notes on three braconid wasps (Hymenoptera: Braconidae, Doryctinae) parasitizing oak long-horned beetle, <i>Massicus raddei</i> (Coleoptera: Cerambycidae), a severe pest of <i>Quercus</i> spp. in China, together with the description of a new species. <i>Zootaxa</i> , 2015, 4021, 467-74.	0.5	2

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37	New method for rapidly estimating population densities of the concealed wood-borer <i>Monoctonus alternatus</i> (Coleoptera: Cerambycidae) in the field. Entomological Research, 2016, 46, 113-121.	1.1	2
38	<i>Bracon planitibiae</i> sp. nov. (Hymenoptera: Braconidae), a new parasitoid of Asian longhorned beetle (<i>Anoplophora</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697 Td. <i>Bracon planipennis</i>		
39	Genetic diversity, population structure and rapid early detection of the parasitoid <i>Anastatus orientalis</i> (Hymenoptera: Eupelmidae) inside eggs of spotted lanternfly (Hemiptera: Fulgoridae). Annals of Applied Biology, 2021, 179, 12-20.	2.5	2
40	<i>Cerchysiella mesosae</i> Yang sp. nov. (Hymenoptera: Encyrtidae), a parasitoid of <i>Mesosa myops</i> (Dalman) (Coleoptera: Cerambycidae) larvae in China. Zootaxa, 2013, 3619, .	0.5	1
41	Influence of Density on Interspecific Competition Between <i>Spathius galinae</i> (Hymenoptera: Braconidae) and <i>Tetrastichus planipennisi</i> (Hymenoptera: Eulophidae), Larval Parasitoids of the Invasive Emerald Ash Borer (Coleoptera: Buprestidae). Environmental Entomology, 2019, 48, 404-409.	1.4	0