

# Li Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2583473/publications.pdf>

Version: 2024-02-01

34  
papers

515  
citations

687363

13  
h-index

713466

21  
g-index

34  
all docs

34  
docs citations

34  
times ranked

325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Re-investigation of venom chemistry of <i>Solenopsis</i> fire ants. I. Identification of novel alkaloids in <i>S. richteri</i> . <i>Toxicon</i> , 2009, 53, 469-478.	1.6	53
2	Re-investigation of venom chemistry of <i>Solenopsis</i> fire ants. II. Identification of novel alkaloids in <i>S. invicta</i> . <i>Toxicon</i> , 2009, 53, 479-486.	1.6	53
3	Lifespan and patterns of accumulation and mobilization of nutrients in the sugar-fed phorid fly, <i>Pseudacteon tricuspidis</i> . <i>Physiological Entomology</i> , 2005, 30, 212-224.	1.5	49
4	Behavioral and Electroantennogram Responses of Phorid fly <i>Pseudacteon tricuspidis</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 1 Behavior, 2007, 20, 267-287.	0.7	35
5	Fire ant venom alkaloids act as key attractants for the parasitic phorid fly, <i>Pseudacteon tricuspidis</i> (Diptera: Phoridae). <i>Die Naturwissenschaften</i> , 2009, 96, 1421-1429.	1.6	35
6	Effects of Temperature, Sugar Availability, Gender, Mating, and Size on the Longevity of Phorid Fly <i>Pseudacteon tricuspidis</i> (Diptera: Phoridae). <i>Environmental Entomology</i> , 2005, 34, 246-255.	1.4	30
7	Similarity in Venom Alkaloid Chemistry of Alate Queens of Imported Fire Ants: Implication for Hybridization between <i>Solenopsis richteri</i> and <i>S. invicta</i> in the Southern United States. <i>Chemistry and Biodiversity</i> , 2012, 9, 702-713.	2.1	27
8	<i>Pseudacteon</i> Phorid Flies: Host Specificity and Impacts on <i>Solenopsis</i> Fire Ants. <i>Annual Review of Entomology</i> , 2018, 63, 47-67.	11.8	23
9	Reduction of Venom Alkaloids in <i>Solenopsis richteri</i> – <i>Solenopsis invicta</i> Hybrid: An Attempt To Identify New Alkaloidal Components. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 11534-11542.	5.2	19
10	Electroantennogram and Behavioral Responses of the Imported Fire Ant, <i>Solenopsis invicta</i> Buren, to an Alarm Pheromone Component and Its Analogues. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 11924-11932.	5.2	18
11	Identification of active components from volatiles of Chinese bayberry, <i>Myrica rubra</i> attractive to <i>Drosophila suzukii</i> . <i>Arthropod-Plant Interactions</i> , 2018, 12, 435-442.	1.1	18
12	Workers and alate queens of <i>Solenopsis geminata</i> share qualitatively similar but quantitatively different venom alkaloid chemistry. <i>Frontiers in Ecology and Evolution</i> , 2015, 3, .	2.2	16
13	Quantitative Analysis of Alkaloidal Constituents in Imported Fire Ants by Gas Chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 5907-5915.	5.2	14
14	A trail pheromone mediates the mutualism between ants and aphids. <i>Current Biology</i> , 2021, 31, 4738-4747.e4.	3.9	14
15	A Practical Technique for Electrophysiologically Recording from Lamellated Antenna of Scarab Beetle. <i>Journal of Chemical Ecology</i> , 2019, 45, 392-401.	1.8	10
16	A SEM study of antennal sensilla in <i>Maladera orientalis</i> Motschulsky (Coleoptera: Scarabaeidae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	2.2	10
17	Olfactory perception of herbivore-induced plant volatiles elicits counterdefences in larvae of the tobacco cutworm. <i>Functional Ecology</i> , 2021, 35, 384-397.	3.6	10
18	Biology of <i>Pseudacteon</i> Decapitating Flies (Diptera: Phoridae) That Parasitize Ants of the <i>Solenopsis saevissima</i> Complex (Hymenoptera: Formicidae) in South America. <i>Insects</i> , 2020, 11, 107.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Electrophysiological and Behavioral Responses of <i>Holotrichia parallela</i> to Volatiles from Peanut. <i>Insects</i> , 2021, 12, 158.	2.2	8
20	HPLC Separation of 2-Ethyl-5(6)-methylpyrazine and Its Electroantennogram and Alarm Activities on Fire Ants ( <i>Solenopsis invicta</i> Buren). <i>Molecules</i> , 2018, 23, 1661.	3.8	7
21	Comparative Cutaneous Water Loss and Desiccation Tolerance of Four <i>Solenopsis</i> spp. (Hymenoptera: Formicidae). <i>Journal of Chemical Ecology</i> , 2021, 47, 107-120.	2.2	7
22	Cuticular hydrocarbon chemistry, an important factor shaping the current distribution pattern of the imported fire ants in the USA. <i>Journal of Insect Physiology</i> , 2018, 110, 34-43.	2.0	6
23	Chemical communication in ant-hemipteran mutualism: potential implications for ant invasions. <i>Current Opinion in Insect Science</i> , 2021, 45, 121-129.	4.4	6
24	Electrophysiological and alarm behavioral responses of <i>Solenopsis invicta</i> Buren (Hymenoptera: Formicidae) to host volatiles. <i>Journal of Chemical Ecology</i> , 2019, 45, 105-115.	0.9	5
25	Antennal and Behavioral Responses of <i>Drosophila suzukii</i> to Volatiles from a Non-Crop Host, <i>Ostrya wightiana</i> . <i>Insects</i> , 2021, 12, 166.	2.2	5
26	Electrophysiological and Alarm Responses of <i>Solenopsis invicta</i> Buren (Hymenoptera: Formicidae) to 2-Ethyl-3,5-dimethylpyrazine. <i>Insects</i> , 2019, 10, 451.	2.2	4
27	Importation biological control of invasive fire ants with parasitoid phorid flies—progress and prospects. <i>Biological Control</i> , 2021, 154, 104509.	3.0	4
28	Detection of Volatile Organic Compounds by Antennal Lamellae of a Scarab Beetle. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	4
29	Characterization of Queen Supergene Pheromone in the Red Imported Fire Ant Using Worker Discrimination Assays. <i>Journal of Chemical Ecology</i> , 2022, 48, 109-120.	1.8	4
30	Revisiting the trail pheromone components of the red imported fire ant, <i>Solenopsis invicta</i> Buren. <i>Insect Science</i> , 2023, 30, 161-172.	3.0	4
31	Synthesis and Insecticidal Activity of Fire Ant Venom Alkaloid-Based 2-Methyl-6-alkyl-1,6-piperideines. <i>Molecules</i> , 2022, 27, 1107.	3.8	3
32	Structure and distribution of antennal sensilla in <i>Pseudosymmachia flavescens</i> (Brenske) (Coleoptera: Scarabaeidae: Melolonthinae). <i>Microscopy Research and Technique</i> , 2022, 85, 1588-1596.	2.2	3
33	Sensilla on antenna and maxillary palp of <i>Neoceratitis asiatica</i> (Diptera: Tephritidae). <i>Micron</i> , 2020, 138, 102921.	2.2	1
34	Host preference in parasitic phorid flies: response of <i>Pseudacteon curvatus</i> and <i>P. obtusus</i> to venom alkaloids of native and imported <i>Solenopsis</i> fire ants. <i>Chemoecology</i> , 2020, 30, 197-204.	1.1	1