

Larry L Murdock

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10567294/publications.pdf>

Version: 2024-02-01

49
papers

2,232
citations

257450

24
h-index

214800

47
g-index

51
all docs

51
docs citations

51
times ranked

1705
citing authors

#	ARTICLE	IF	CITATIONS
1	Transgenic Pea Seeds Expressing the α -Amylase Inhibitor of the Common Bean are Resistant to Bruchid Beetles. <i>Nature Biotechnology</i> , 1994, 12, 793-796.	17.5	221
2	Biological effects of plant lectins on the cowpea weevil. <i>Phytochemistry</i> , 1990, 29, 85-89.	2.9	156
3	Arabidopsis Vegetative Storage Protein Is an Anti-Insect Acid Phosphatase. <i>Plant Physiology</i> , 2005, 139, 1545-1556.	4.8	151
4	Development of cowpea cultivars and germplasm by the Bean/Cowpea CRSP. <i>Field Crops Research</i> , 2003, 82, 103-134.	5.1	138
5	Diversity in digestive proteinase activity among insects. <i>Journal of Chemical Ecology</i> , 1990, 16, 1089-1102.	1.8	125
6	Lectins and Protease Inhibitors as Plant Defenses against Insects. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 6605-6611.	5.2	123
7	α -Amylase Inhibitor, Not Phytohemagglutinin, Explains Resistance of Common Bean Seeds to Cowpea Weevil. <i>Plant Physiology</i> , 1991, 96, 993-996.	4.8	107
8	A plant defensive cystatin (soyacystatin) targets cathepsin B-like digestive cysteine proteinases (DvCALs) in the larval midgut of western corn rootworm (<i>Diabrotica virgifera virgifera</i>). <i>FEBS Letters</i> , 2000, 471, 67-70.	2.8	97
9	Phage display selection can differentiate insecticidal activity of soybean cystatins. <i>Plant Journal</i> , 1998, 14, 371-379.	5.7	84
10	Preservation of cowpea grain in sub-Saharan Africa—Bean/Cowpea CRSP contributions. <i>Field Crops Research</i> , 2003, 82, 169-178.	5.1	84
11	Rice and stinging nettle lectins: Insecticidal activity similar to wheat germ agglutinin. <i>Phytochemistry</i> , 1991, 30, 3565-3568.	2.9	57
12	Mitochondrial Genome Sequence and Expression Profiling for the Legume Pod Borer <i>Maruca vitrata</i> (Lepidoptera: Crambidae). <i>PLoS ONE</i> , 2011, 6, e16444.	2.5	55
13	in insect nervous tissue. <i>Insect Biochemistry</i> , 1981, 11, 161-166.	1.8	49
14	Amphetamine and Reserpine Deplete Brain Biogenic Amines and Alter Blow Fly Feeding Behavior. <i>Journal of Neurochemistry</i> , 1987, 48, 1307-1315.	3.9	46
15	Efficacy of ash for controlling infestations of <i>Callosobruchus maculatus</i> (F.) (Coleoptera: Tj ETQq1 1 0.784314 rgBJ /Overlock 10 Tf 50	2.6	46
16	Protease inhibitors from several classes work synergistically against <i>Callosobruchus maculatus</i> . <i>Journal of Insect Physiology</i> , 2007, 53, 734-740.	2.0	45
17	Effect of wheat germ isolectins on development of cowpea weevil. <i>Phytochemistry</i> , 1991, 30, 785-788.	2.9	44
18	Detection of Hidden Insect Infestations by Feeding-Generated Ultrasonic Signals. <i>American Entomologist</i> , 1990, 36, 231-235.	0.2	43

#	ARTICLE	IF	CITATIONS
19	Geographic distribution of phylogenetically-distinct legume pod borer, <i>Maruca vitrata</i> (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Over	2.3	41
20	EFFECTS OF ACUTE HYPERTHERMIA ON POLYRIBOSOMES, IN VIVO PROTEIN SYNTHESIS AND ORNITHINE DECARBOXYLASE ACTIVITY IN THE NEONATAL RAT BRAIN. <i>Journal of Neurochemistry</i> , 1979, 32, 311-317.	3.9	37
21	Storage of Maize in Purdue Improved Crop Storage (PICS) Bags. <i>PLoS ONE</i> , 2017, 12, e0168624.	2.5	31
22	Transcriptome Sequencing, and Rapid Development and Application of SNP Markers for the Legume Pod Borer <i>Maruca vitrata</i> (Lepidoptera: Crambidae). <i>PLoS ONE</i> , 2011, 6, e21388.	2.5	30
23	Regulatory considerations surrounding the deployment Of Bt-expressing cowpea in Africa. <i>GM Crops</i> , 2011, 2, 211-224.	1.9	30
24	Identification of N-acetylglucosamine binding residues in <i>Griffonia simplicifolia</i> lectin II. <i>FEBS Letters</i> , 1996, 390, 271-274.	2.8	25
25	Interactions Between Cowpea Weevil (Coleoptera: Bruchidae) Populations and <i>Vigna</i> (Leguminosae) Species. <i>Journal of Economic Entomology</i> , 1999, 92, 740-745.	1.8	25
26	Phage display selection of hairpin loop soyacystatin variants that mediate high affinity inhibition of a cysteine proteinase. <i>Plant Journal</i> , 2001, 27, 383-391.	5.7	23
27	Seasonal and regional distribution of the cowpea pod borer <i>Maruca vitrata</i> (Lepidoptera: Crambidae) in Burkina Faso. <i>International Journal of Tropical Insect Science</i> , 2009, 29, 109.	1.0	20
28	Sorghum seed storage in Purdue Improved Crop Storage (PICS) bags and improvised containers. <i>Journal of Stored Products Research</i> , 2017, 72, 138-142.	2.6	20
29	An assessment of the risk of Bt-cowpea to non-target organisms in West Africa. <i>Journal of Pest Science</i> , 2018, 91, 1165-1179.	3.7	20
30	Performance of PICS bags under extreme conditions in the sahel zone of Niger. <i>Journal of Stored Products Research</i> , 2018, 76, 96-101.	2.6	20
31	Soyacystatin N Inhibits Proteolysis of Wheat α -Amylase Inhibitor and Potentiates Toxicity Against Cowpea Weevil. <i>Journal of Economic Entomology</i> , 2004, 97, 2095-2100.	1.8	19
32	Safe storage of maize in alternative hermetic containers. <i>Journal of Stored Products Research</i> , 2017, 71, 125-129.	2.6	18
33	Actions of pharmacological agents on 5-hydroxytryptamine and dopamine in the cockroach nervous system (<i>Periplaneta americana</i> L.). <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1982, 73, 423-429.	0.2	17
34	Effects of PICS bags on insect pests of sorghum during long-term storage in Burkina Faso. <i>Journal of Stored Products Research</i> , 2019, 83, 261-266.	2.6	17
35	Selection of a Cowpea Weevil (Coleopera: Bruchidae) Biotype Virulent to Cowper Weevil Resistant Landrace TVu 2027. <i>Journal of Economic Entomology</i> , 1996, 89, 1325-1331.	1.8	16
36	Hypoxia Treatment of <i>Callosobruchus maculatus</i> Females and Its Effects on Reproductive Output and Development of Progeny Following Exposure. <i>Insects</i> , 2016, 7, 26.	2.2	15

#	ARTICLE	IF	CITATIONS
37	Performance of Five Postharvest Storage Methods for Maize Preservation in Northern Benin. <i>Insects</i> , 2020, 11, 541.	2.2	15
38	Calcium modulates protease resistance and carbohydrate binding of a plant defense legume lectin, <i>Griffonia simplicifolia</i> lectin II (GSLII). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 132, 327-334.	1.6	13
39	Cowpea Trypsin Inhibitor and Resistance to Cowpea Weevil (Coleoptera: Bruchidae) in Cowpea Variety 'TVu 2027'. <i>Environmental Entomology</i> , 1994, 23, 987-991.	1.4	11
40	Soyacystatin N Inhibits Proteolysis of Wheat α -Amylase Inhibitor and Potentiates Toxicity Against Cowpea Weevil. <i>Journal of Economic Entomology</i> , 2004, 97, 2095-2100.	1.8	11
41	A time-saving method for sealing Purdue Improved Crop Storage (PICS) bags. <i>Journal of Stored Products Research</i> , 2018, 77, 106-111.	2.6	11
42	Hermetic storage of wheat and maize flour protects against red flour beetle (<i>Tribolium castaneum</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.5	11
43	Grain size and grain depth restrict oxygen movement in leaky hermetic containers and contribute to protective effect. <i>Journal of Stored Products Research</i> , 2016, 69, 65-71.	2.6	8
44	Cumulative oxygen consumption during development of two postharvest insect pests: <i>Callosobruchus maculatus</i> Fabricius and <i>Plodia interpunctella</i> HÄ¼bner. <i>Journal of Stored Products Research</i> , 2018, 77, 92-95.	2.6	8
45	Determination of N-acetyldopamine by liquid chromatography with electrochemical detection. <i>Biomedical Applications</i> , 1981, 224, 310-314.	1.7	7
46	Comparative Study of Cowpea Storage Technologies in the Sahel Region of Niger. <i>Insects</i> , 2020, 11, 689.	2.2	6
47	An In-Gel Assay of a Recombinant Western Corn Rootworm (<i>Diabrotica virgifera virgifera</i>) Cysteine Proteinase Expressed in Yeast. <i>Analytical Biochemistry</i> , 2000, 282, 153-155.	2.4	5
48	Wild host plants of legume pod borer <i>Maruca vitrata</i> (Lepidoptera: Pyraloidea: Crambidae) in southern Niger and northern Nigeria. <i>International Journal of Tropical Insect Science</i> , 2010, 30, 108-114.	1.0	5
49	Insects, nematodes, and other pests. , 2012, , 353-370.		2