

# Larry L Murdock

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,232  
citations

257101

24  
h-index

214527

47  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transgenic Pea Seeds Expressing the Î±-Amylase Inhibitor of the Common Bean are Resistant to Bruchid Beetles. <i>Nature Biotechnology</i> , 1994, 12, 793-796.	9.4	221
2	Biological effects of plant lectins on the cowpea weevil. <i>Phytochemistry</i> , 1990, 29, 85-89.	1.4	156
3	Arabidopsis Vegetative Storage Protein Is an Anti-Insect Acid Phosphatase. <i>Plant Physiology</i> , 2005, 139, 1545-1556.	2.3	151
4	Development of cowpea cultivars and germplasm by the Bean/Cowpea CRSP. <i>Field Crops Research</i> , 2003, 82, 103-134.	2.3	138
5	Diversity in digestive proteinase activity among insects. <i>Journal of Chemical Ecology</i> , 1990, 16, 1089-1102.	0.9	125
6	Lectins and Protease Inhibitors as Plant Defenses against Insects. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 6605-6611.	2.4	123
7	Î±-Amylase Inhibitor, Not Phytohemagglutinin, Explains Resistance of Common Bean Seeds to Cowpea Weevil. <i>Plant Physiology</i> , 1991, 96, 993-996.	2.3	107
8	A plant defensive cystatin (soyacystatin) targets cathepsin L-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.	1.3	97
9	Phage display selection can differentiate insecticidal activity of soybean cystatins. <i>Plant Journal</i> , 1998, 14, 371-379.	2.8	84
10	Preservation of cowpea grain in sub-Saharan Africaâ€™ Bean/Cowpea CRSP contributions. <i>Field Crops Research</i> , 2003, 82, 169-178.	2.3	84
11	Rice and stinging nettle lectins: Insecticidal activity similar to wheat germ agglutinin. <i>Phytochemistry</i> , 1991, 30, 3565-3568.	1.4	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.	1.1	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.	2.1	46
15	Efficacy of ash for controlling infestations of <i>Callosobruchus maculatus</i> (F.) (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.2	46
16	Protease inhibitors from several classes work synergistically against <i>Callosobruchus maculatus</i> . <i>Journal of Insect Physiology</i> , 2007, 53, 734-740.	0.9	45
17	Effect of wheat germ isolectins on development of cowpea weevil. <i>Phytochemistry</i> , 1991, 30, 785-788.	1.4	44
18	Detection of Hidden Insect Infestations by Feeding-Generated Ultrasonic Signals. <i>American Entomologist</i> , 1990, 36, 231-235.	0.1	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	1.0	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.	2.1	37
21	Storage of Maize in Purdue Improved Crop Storage (PICS) Bags. <i>PLoS ONE</i> , 2017, 12, e0168624.	1.1	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.	1.1	30
23	Regulatory considerations surrounding the deployment Of Bt-expressing cowpea in Africa. <i>GM Crops</i> , 2011, 2, 211-224.	1.8	30
24	Identification of N-acetylglucosamine binding residues in <i>Griffonia simplicifolia</i> lectin II. <i>FEBS Letters</i> , 1996, 390, 271-274.	1.3	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.	0.8	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.	2.8	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.	0.4	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.	1.2	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.	1.9	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.	1.2	20
31	Soyacystatin N Inhibits Proteolysis of Wheat $\alpha$ -Amylase Inhibitor and Potentiates Toxicity Against Cowpea Weevil. <i>Journal of Economic Entomology</i> , 2004, 97, 2095-2100.	0.8	19
32	Safe storage of maize in alternative hermetic containers. <i>Journal of Stored Products Research</i> , 2017, 71, 125-129.	1.2	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.	1.2	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.	0.8	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.	1.0	15

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37	Performance of Five Postharvest Storage Methods for Maize Preservation in Northern Benin. <i>Insects</i> , 2020, 11, 541.	1.0	15
38	Calcium modulates protease resistance and carbohydrate binding of a plant defense legume lectin, Griffonia simplicifolia lectin II (GSLII). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 132, 327-334.	0.7	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.	0.7	11
40	Soyacystatin N Inhibits Proteolysis of Wheat $\alpha$ -Amylase Inhibitor and Potentiates Toxicity Against Cowpea Weevil. <i>Journal of Economic Entomology</i> , 2004, 97, 2095-2100.	0.8	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.	1.2	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	1.1	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.	1.2	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.	1.2	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.	1.0	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.	1.1	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.	0.4	5
49	Insects, nematodes, and other pests. , 2012, , 353-370.		2