Larry L Murdock

List of Publications by Year
in descending order

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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	Comparative Study of Cowpea Storage Technologies in the Sahel Region of Niger. Insects, 2020, 11, 689.	2.2	6
2	Performance of Five Postharvest Storage Methods for Maize Preservation in Northern Benin. Insects, 2020, 11, 541.	2.2	15
3	Effects of PICS bags on insect pests of sorghum during long-term storage in Burkina Faso. Journal of Stored Products Research, 2019, 83, 261-266.	2.6	17
4	An assessment of the risk of Bt-cowpea to non-target organisms in West Africa. Journal of Pest Science, 2018, 91, 1165-1179.	3.7	20
5	Cumulative oxygen consumption during development of two postharvest insect pests: Callosobruchus maculatus Fabricius and Plodia interpunctella HÃ¼bner. Journal of Stored Products Research, 2018, 77, 92-95.	2.6	8
6	Performance of PICS bags under extreme conditions in the sahel zone of Niger. Journal of Stored Products Research, 2018, 76, 96-101.	2.6	20
7	A time-saving method for sealing Purdue Improved Crop Storage (PICS) bags. Journal of Stored Products Research, 2018, 77, 106-111.	2.6	11
8	Sorghum seed storage in Purdue Improved Crop Storage (PICS) bags and improvised containers. Journal of Stored Products Research, 2017, 72, 138-142.	2.6	20
9	Safe storage of maize in alternative hermetic containers. Journal of Stored Products Research, 2017, 71, 125-129.	2.6	18
10	Storage of Maize in Purdue Improved Crop Storage (PICS) Bags. PLoS ONE, 2017, 12, e0168624.	2.5	31
11	Hermetic storage of wheat and maize flour protects against red flour beetle (Tribolium castaneum) Tj ETQq1 1 0.784314 rgBT /Overlo	2.5	11
12	Hypoxia Treatment of Callosobruchus maculatus Females and Its Effects on Reproductive Output and Development of Progeny Following Exposure. Insects, 2016, 7, 26.	2.2	15
13	Grain size and grain depth restrict oxygen movement in leaky hermetic containers and contribute to protective effect. Journal of Stored Products Research, 2016, 69, 65-71.	2.6	8
14	Insects, nematodes, and other pests. , 2012, , 353-370.		2
15	Mitochondrial Genome Sequence and Expression Profiling for the Legume Pod Borer Maruca vitrata (Lepidoptera: Crambidae). PLoS ONE, 2011, 6, e16444.	2.5	55
16	Transcriptome Sequencing, and Rapid Development and Application of SNP Markers for the Legume Pod Borer Maruca vitrata (Lepidoptera: Crambidae). PLoS ONE, 2011, 6, e21388.	2.5	30
17	Geographic distribution of phylogenetically-distinct legume pod borer, Maruca vitrata (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Over	2.3	41
18	Regulatory considerations surrounding the deployment Of Bt-expressing cowpea in Africa. GM Crops, 2011, 2, 211-224.	1.9	30

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19	Wild host plants of legume pod borer Maruca vitrata (Lepidoptera: Pyraloidea: Crambidae) in southern Niger and northern Nigeria. International Journal of Tropical Insect Science, 2010, 30, 108-114.	1.0	5
20	Seasonal and regional distribution of the cowpea pod borer Maruca vitrata (Lepidoptera: Crambidae) in Burkina Faso. International Journal of Tropical Insect Science, 2009, 29, 109.	1.0	20
21	Protease inhibitors from several classes work synergistically against Callosobruchus maculatus. Journal of Insect Physiology, 2007, 53, 734-740.	2.0	45
22	Arabidopsis Vegetative Storage Protein Is an Anti-Insect Acid Phosphatase. Plant Physiology, 2005, 139, 1545-1556.	4.8	151
23	Soyacystatin N Inhibits Proteolysis of Wheat Î±-Amylase Inhibitor and Potentiates Toxicity Against Cowpea Weevil. Journal of Economic Entomology, 2004, 97, 2095-2100.	1.8	11
24	Soyacystatin N Inhibits Proteolysis of Wheat Î±-Amylase Inhibitor and Potentiates Toxicity Against Cowpea Weevil. Journal of Economic Entomology, 2004, 97, 2095-2100.	1.8	19
25	Development of cowpea cultivars and germplasm by the Bean/Cowpea CRSP. Field Crops Research, 2003, 82, 103-134.	5.1	138
26	Preservation of cowpea grain in sub-Saharan Africaâ€"Bean/Cowpea CRSP contributions. Field Crops Research, 2003, 82, 169-178.	5.1	84
27	Lectins and Protease Inhibitors as Plant Defenses against Insects. Journal of Agricultural and Food Chemistry, 2002, 50, 6605-6611.	5.2	123
28	Calcium modulates protease resistance and carbohydrate binding of a plant defense legume lectin, Griffonia simplicifolia lectin II (GSII). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 132, 327-334.	1.6	13
29	Phage display selection of hairpin loop soyacystatin variants that mediate high affinity inhibition of a cysteine proteinase. Plant Journal, 2001, 27, 383-391.	5.7	23
30	An In-Gel Assay of a Recombinant Western Corn Rootworm (Diabrotica virgifera virgifera) Cysteine Proteinase Expressed in Yeast. Analytical Biochemistry, 2000, 282, 153-155.	2.4	5
31	A plant defensive cystatin (soyacystatin) targets cathepsin Lâ€like digestive cysteine proteinases (DvCALs) in the larval midgut of western corn rootworm (Diabrotica virgifera virgifera). FEBS Letters, 2000, 471, 67-70.	2.8	97
32	Interactions Between Cowpea Weevil (Coleoptera: Bruchidae) Populations and Vigna (Leguminosae) Species. Journal of Economic Entomology, 1999, 92, 740-745.	1.8	25
33	Phage display selection can differentiate insecticidal activity of soybean cystatins. Plant Journal, 1998, 14, 371-379.	5.7	84
34	Identification ofN-acetylglucosamine binding residues inGriffonia simplicifolialectin II. FEBS Letters, 1996, 390, 271-274.	2.8	25
35	Selection of a Cowpea Weevil (Coleopera: Bruchidae) Biotype Virulent to Cowper Weevil Resistant Landrace TVu 2027. Journal of Economic Entomology, 1996, 89, 1325-1331.	1.8	16
36	Cowpea Trypsin Inhibitor and Resistance to Cowpea Weevil (Coleoptera: Bruchidae) in Cowpea Variety â€˜TVu 2027â€™. Environmental Entomology, 1994, 23, 987-991.	1.4	11

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37	Transgenic Pea Seeds Expressing the Î±-Amylase Inhibitor of the Common Bean are Resistant to Bruchid Beetles. Nature Biotechnology, 1994, 12, 793-796.	17.5	221
38	Î±-Amylase Inhibitor, Not Phytohemagglutinin, Explains Resistance of Common Bean Seeds to Cowpea Weevil. Plant Physiology, 1991, 96, 993-996.	4.8	107
39	Efficacy of ash for controlling infestations of Callosobruchus maculatus (F.) (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.6	46
40	Rice and stinging nettle lectins: Insecticidal activity similar to wheat germ agglutinin. Phytochemistry, 1991, 30, 3565-3568.	2.9	57
41	Effect of wheat germ isolectins on development of cowpea weevil. Phytochemistry, 1991, 30, 785-788.	2.9	44
42	Diversity in digestive proteinase activity among insects. Journal of Chemical Ecology, 1990, 16, 1089-1102.	1.8	125
43	Biological effects of plant lectins on the cowpea weevil. Phytochemistry, 1990, 29, 85-89.	2.9	156
44	Detection of Hidden Insect Infestations by Feeding-Generated Ultrasonic Signals. American Entomologist, 1990, 36, 231-235.	0.2	43
45	Amphetamine and Reserpine Deplete Brain Biogenic Amines and Alter Blow Fly Feeding Behavior. Journal of Neurochemistry, 1987, 48, 1307-1315.	3.9	46
46	Actions of pharmacological agents on 5-hydroxytryptamine and dopamine in the cockroach nervous system (Periplaneta americana L.). Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1982, 73, 423-429.	0.2	17
47	Determination of N-acetyldopamine by liquid chromatography with electrochemical detection. Biomedical Applications, 1981, 224, 310-314.	1.7	7
48	in insect nervous tissue. Insect Biochemistry, 1981, 11, 161-166.	1.8	49
49	EFFECTS OF ACUTE HYPERTHERMIA ON POLYRIBOSOMES, IN VIVO PROTEIN SYNTHESIS AND ORNITHINE DECARBOXYLASE ACTIVITY IN THE NEONATAL RAT BRAIN. Journal of Neurochemistry, 1979, 32, 311-317.	3.9	37