Aaron Gross

List of Publications by Year
in descending order

25 papers	757 citations	759233 12 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	1097 citing authors

#	Article	IF	Citations
1	Biopesticides: State of the Art and Future Opportunities. Journal of Agricultural and Food Chemistry, 2014, 62, 11613-11619.	5.2	201
2	The phenolic monoterpenoid carvacrol inhibits the binding of nicotine to the housefly nicotinic acetylcholine receptor. Pest Management Science, 2013, 69, 775-780.	3.4	75
3	An insecticide resistance-breaking mosquitocide targeting inward rectifier potassium channels in vectors of Zika virus and malaria. Scientific Reports, 2016, 6, 36954.	3.3	55
4	Plant Essential Oils Enhance Diverse Pyrethroids against Multiple Strains of Mosquitoes and Inhibit Detoxification Enzyme Processes. Insects, 2018, 9, 132.	2.2	49
5	Sorption and Photodegradation Processes Govern Distribution and Fate of Sulfamethazine in Freshwaterâ€“Sediment Microcosms. Environmental Science & Technology, 2013, 47, 10877-10883.	10.0	45
6	Pharmacological characterization of a tyramine receptor from the southern cattle tick, Rhipicephalus (Boophilus) microplus. Insect Biochemistry and Molecular Biology, 2015, 63, 47-53.	2.7	45
7	Comparison of the Insecticidal Characteristics of Commercially Available Plant Essential Oils AgainstAedes aegyptiandAnopheles gambiae(Diptera: Culicidae). Journal of Medical Entomology, 2015, 52, 993-1002.	1.8	44
8	Essential oils enhance the toxicity of permethrin against <scp>A</scp>edes aegypti and <scp>A</scp>nopheles gambiae. Medical and Veterinary Entomology, 2017, 31, 55-62.	1.5	40
9	Interaction of plant essential oil terpenoids with the southern cattle tick tyramine receptor: A potential biopesticide target. Chemico-Biological Interactions, 2017, 263, 1-6.	4.0	36
10	Difluoromethyl ketones: Potent inhibitors of wild type and carbamate-insensitive G119S mutant Anopheles gambiae acetylcholinesterase. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4405-4411.	2.2	35
11	Carbamate and pyrethroid resistance in the akron strain of Anopheles gambiae. Pesticide Biochemistry and Physiology, 2015, 121, 116-121.	3.6	31
12	Toxicology of potassium channel-directed compounds in mosquitoes. NeuroToxicology, 2017, 60, 214-223.	3.0	15
13	Resistance monitoring to four insecticides and mechanisms of resistance in <scp>Lygus lineolaris</scp> Palisot de Beauvois (Hemiptera: Miridae) populations of southeastern <scp>USA</scp> cotton. Pest Management Science, 2020, 76, 3935-3944.	3.4	15
14	Toxicity and Physiological Actions of Carbonic Anhydrase Inhibitors to Aedes aegypti and Drosophila melanogaster. Insects, 2017, 8, 2.	2.2	12
15	Human aldehyde dehydrogenase-catalyzed oxidation of ethylene glycol ether aldehydes. Chemico-Biological Interactions, 2009, 178, 56-63.	4.0	10
16	Nâ€²-mono- and N, Nâ€²-diacyl derivatives of benzyl and arylhydrazines as contact insecticides against adult Anopheles gambiae. Pesticide Biochemistry and Physiology, 2017, 143, 33-38.	3.6	8
17	Toxicity and Synergistic Activities of Chalcones AgainstAedes aegypti(Diptera: Culicidae) andDrosophila melanogaster(Diptera: Drosophilidae). Journal of Medical Entomology, 2016, 54, tjw183.	1.8	7
18	Quantitative Structure-Activity Relationships (QSARs) of Monoterpenoids at an Expressed American Cockroach Octopamine Receptor. ACS Symposium Series, 2013, , 97-110.	0.5	5

#	Article	IF	Citations
19	Investigating the Effect of Plant Essential Oils against the American Cockroach Octopamine Receptor (Pa oa1) Expressed in Yeast. ACS Symposium Series, 2014, , 113-130.	0.5	5
20	Association of Salivary Cholinesterase With Arthropod Vectors of Disease. Journal of Medical Entomology, 2020, 57, 1679-1685.	1.8	5
21	Bivalent Carbamates as Novel Control Agents of the Malaria Mosquito, <I>Anopheles gambiae</I>. Chimia, 2016, 70, 704-708.	0.6	4
22	Characterizing Permethrin and Etofenprox Resistance in Two Common Laboratory Strains of Anopheles gambiae (Diptera: Culicidae). Insects, 2018, 9, 146.	2.2	4
23	Assessing Varroa destructor acaricide resistance in Apis mellifera colonies of Virginia. Apidologie, 2021, 52, 1278-1290.	2.0	3
24	G-Protein-Coupled Receptors (GPCRs) as Biopesticide Targets: A Focus on Octopamine and Tyramine Receptors. ACS Symposium Series, 2014, , 45-56.	0.5	2
25	Muscarinic Acetylcholine Receptor Activation Synergizes the Knockdown and Toxicity of GABAâ€Gated Chloride Channel Insecticides. Pest Management Science, 0, , .	3.4	2