Gary J Blomquist

List of Publications by Citations

14 papers	897 citations	10 h-index	15 g-index
15 ext. papers	1,104 ext. citations	6.7 avg, IF	4.03 L-index

#	Paper	IF	Citations
14	An insect-specific P450 oxidative decarbonylase for cuticular hydrocarbon biosynthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 14858-63	11.5	282
13	Pheromone production in bark beetles. *Insect Biochemistry and Molecular Biology*, **2010**, 40, 699-712	4.5	201
12	Cytochrome P450 associated with insecticide resistance catalyzes cuticular hydrocarbon production in Anopheles gambiae. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9268-73	11.5	177
11	Functional expression of a bark beetle cytochrome P450 that hydroxylates myrcene to ipsdienol. *Insect Biochemistry and Molecular Biology*, **2006**, 36, 835-45	4.5	82
10	Mountain pine beetle (Dendroctonus ponderosae) CYP4Gs convert long and short chain alcohols and aldehydes to hydrocarbons. *Insect Biochemistry and Molecular Biology*, **2018**, 102, 11-20	4.5	37
9	Desiccation tolerance in Anopheles coluzzii: the effects of spiracle size and cuticular hydrocarbons. *Journal of Experimental Biology*, **2016**, 219, 1675-88	3	30
8	exo-Brevicomin biosynthetic pathway enzymes from the Mountain Pine Beetle, Dendroctonus ponderosae. *Insect Biochemistry and Molecular Biology*, **2014**, 53, 73-80	4.5	21
7	Pheromone biosynthesis in bark beetles. *Current Opinion in Insect Science*, **2017**, 24, 68-74	5.1	17
6	Drosophila Spidey/Kar Regulates Oenocyte Growth via PI3-Kinase Signaling. *PLoS Genetics*, **2016**, 12, e1006154	6	17
5	Chemical Ecology, Biochemistry, and Molecular Biology of Insect Hydrocarbons. *Annual Review of Entomology*, **2021**, 66, 45-60	21.8	17
4	High substrate specificity of ipsdienol dehydrogenase (IDOLDH), a short-chain dehydrogenase from Ips pini bark beetles. *Journal of Biochemistry*, **2016**, 160, 141-51	3.1	8
3	RNA-Seq used to identify ipsdienone reductase (IDONER): A novel monoterpene carbon-carbon double bond reductase central to Ips confusus pheromone production. *Insect Biochemistry and Molecular Biology*, **2021**, 129, 103513	4.5	4
2	Cytochromes P450: terpene detoxification and pheromone production in bark beetles. *Current Opinion in Insect Science*, **2021**, 43, 97-102	5.1	2
1	Hydrocarbon pheromone production in insects **2021**, 205-235		1