

LIST OF PUBLICATIONS

[Peer review international journals: 73; Total Impact Factor >240; Citations >1400; h=21]

2013

- (73) Hemingway J., Vontas J., Poupardin R., Raman J., Lines J., Schwabe C., Matias A., and Kleinschmidt I. (2013) Country-level operational implementation of the Global Plan for Insecticide Resistance Management. Proc. Nat. Acad Sci (PNAS) (early edition: www.pnas.org/cgi/doi/10.1073/pnas.1307656110)
- (72) Kioulos, E., Kambouraki A., Morou E., Skavdis G., and Vontas J. (2013) Insecticide resistance status in the major WNV vector *Culex pipiens* from Greece –*Pest Manag Science* (in press)
- (71) Pavlidi N., Dermauw W*, Rombauts S, Chrisargiris A, Van Leeuwen and John Vontas (2013) Analysis of the olive fruit fly *Bactrocera oleae* transcriptome and phylogenetic classification of the major detoxification gene families (PLoS One – in press)
- (71) Leftwich P., Koukidou M., Rempoulakis C, Gong HF, Zacharopoulou A., Chapman T., Economopoulos A., Vontas J., & Alphey L. (2013) Genetic Control of the Mediterranean Fruit Fly (submitted)
- (69) Dermauw W., Wybouw N., Rombauts S., Menten R., Vontas J., Grbic M., Clark R.M., Feyereisen R., and Van Leeuwen T. (2013) Link between host plant adaptation and pesticide resistance in the polyphagous spider mite *Tetranychus urticae* Proc. Nat. Acad Sci (PNAS) doi: 10.1073/pnas.1213214110
- (68) Gomes B., Kioulos E., Papa A., Almeida APG, Vontas J., Pinto J. (2013) Distribution and hybridization of *Culex pipiens* forms in Greece during the West Nile virus outbreak of 2010. *Infection, Genetics and Evolution* 16, 218-225
- (67) Morou E., Lirakis M., Pavlidi N., Zotti M., Nakagawa Y., Smagghe G., Vontas J., Swevers L. (2013) A New Dibenzoylhydrazine with Insecticidal Activity against *Anopheles* Mosquito Larvae *Pest Management Science (In press)*
- (66) Nauen R., Vontas J., Kaussmann M. and Wölfel K. (2013) Pymetrozine is hydroxylated by CYP6CM1, a cytochrome P450 conferring neonicotinoid-resistance in *Bemisia tabaci* *Pest Management Science (In press)*

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- (65) Wybouw N*, Balabanidou V*, Ballhorn D., Vontas J., Dermauw W., and Van Leeuwen T. (2012) A horizontally transferred cyanase in *Tetranychus urticae* metabolizes cyanate and is differentially expressed upon host plant change. *Insect Biochem Mol Biol* article first published online <http://dx.doi.org/10.1016/j.ibmb.2012.08.002>
- (64) Ilias A., Roiditakis E., Grispou M., Nauen R., Vontas J., Tsagkarakou A., (2012) Efficacy of ketoenols on insecticide resistant populations of the two-spotted spider mite *Tetranychus urticae* and the sweet potato whitefly *Bemisia tabaci* from Greece, *Crop Protection* 42, 305-311
- (63) Dermauw W.*, Ilias A.*, Riga M., Tsagkarakou A., Grbić M., Tirry L, Van Leeuwen T., Vontas J. (2012) The cys-loop ligand-gated ion channel gene family of *Tetranychus urticae*: implications for acaricide toxicology and a novel mutation associated with abamectin resistance. *Insect Biochem Mol Biol* 42, 455–465
- (62) Hsu JC, Feng HT, Wu WJ, Scott G and Vontas J. (2012) Truncated transcripts of nicotinic acetylcholine subunit gene *Bda6* are associated with spinosad resistance in *Bactrocera dorsalis* *Insect Biochemistry and Molecular Biology* 42 (10) , pp. 806-815
- (61) Ant T., Koukidou M., Rempoulakis P., Gong HF, Economopoulos A. Vontas J., Alphey L. (2012) Control of the olive fruit fly using genetics-enhanced sterile insect technique *BMC Biol.* 10: 51.
- (60) Bariami V., Jones C.M., Bisset J.A., Rodriguez M., Vontas J., and Hilary Ranson (2012) The molecular basis of pyrethroid resistance in *Aedes aegypti* from the Caribbean *PLoS Negl Trop Dis.* 2012 Jun;6(6):e1692. Epub 2012 Jun 12.
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- (56) Doukas, E.G., Markoglou, A.N., Vontas, J.G., Ziogas, B.N. (2012) Effect of DMI-resistance mechanisms on cross-resistance patterns, fitness parameters and aflatoxin production in *Aspergillus parasiticus* *Speare Fungal Genetics and Biology* 49 (10) , pp. 792-801
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