Rodolphe Rwp Poupardin

List of Publications by Year
in descending order

40 papers	3,134 citations	201385 27 h-index	288905 40 g-index
41 all docs	41 docs citations	41 times ranked	2762 citing authors

#	Article	IF	Citations
1	Cross-induction of detoxification genes by environmental xenobiotics and insecticides in the mosquito Aedes aegypti: Impact on larval tolerance to chemical insecticides. Insect Biochemistry and Molecular Biology, 2008, 38, 540-551.	1.2	246
2	CYP6 P450 Enzymes and ACE-1 Duplication Produce Extreme and Multiple Insecticide Resistance in the Malaria Mosquito Anopheles gambiae. PLoS Genetics, 2014, 10, e1004236.	1.5	243
3	Insecticide Resistance in the Dengue Vector Aedes aegypti from Martinique: Distribution, Mechanisms and Relations with Environmental Factors. PLoS ONE, 2012, 7, e30989.	1.1	183
4	Exploring the molecular basis of insecticide resistance in the dengue vector Aedes aegypti: a case study in Martinique Island (French West Indies). BMC Genomics, 2009, 10, 494.	1.2	163
5	Gene Amplification, ABC Transporters and Cytochrome P450s: Unraveling the Molecular Basis of Pyrethroid Resistance in the Dengue Vector, Aedes aegypti. PLoS Neglected Tropical Diseases, 2012, 6, e1692.	1.3	163
6	Identifying genomic changes associated with insecticide resistance in the dengue mosquito Aedes aegypti by deep targeted sequencing. Genome Research, 2015, 25, 1347-1359.	2.4	151
7	Conceptual framework of the eco-physiological phases of insect diapause development justified by transcriptomic profiling. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8532-8537.	3.3	135
8	Insecticide resistance mechanisms associated with different environments in the malaria vector Anopheles gambiae: a case study in Tanzania. Malaria Journal, 2014, 13, 28.	0.8	127
9	Transcriptome response to pollutants and insecticides in the dengue vector Aedes aegypti using next-generation sequencing technology. BMC Genomics, 2010, 11, 216.	1.2	111
10	Dissecting the mechanisms responsible for the multiple insecticide resistance phenotype in Anopheles gambiae s.s., M form, from VallÃ©e du Kou, Burkina Faso. Gene, 2013, 519, 98-106.	1.0	111
11	Impact of glyphosate and benzo[a]pyrene on the tolerance of mosquito larvae to chemical insecticides. Role of detoxification genes in response to xenobioticsâ˜†. Aquatic Toxicology, 2009, 93, 61-69.	1.9	109
12	Transcription profiling of eleven cytochrome P450s potentially involved in xenobiotic metabolism in the mosquito Aedes aegypti. Insect Molecular Biology, 2010, 19, 185-193.	1.0	103
13	Temephos Resistance in Aedes aegypti in Colombia Compromises Dengue Vector Control. PLoS Neglected Tropical Diseases, 2013, 7, e2438.	1.3	103
14	The central role of mosquito cytochrome P450 CYP6Zs in insecticide detoxification revealed by functional expression and structural modelling. Biochemical Journal, 2013, 455, 75-85.	1.7	92
15	Resistance to DDT in an Urban Setting: Common Mechanisms Implicated in Both M and S Forms of Anopheles gambiae in the City of YaoundÃ© Cameroon. PLoS ONE, 2013, 8, e61408.	1.1	92
16	Early transcriptional events linked to induction of diapause revealed by RNAseq in larvae of drosophilid fly, Chymomyza costata. BMC Genomics, 2015, 16, 720.	1.2	87
17	Comparative analysis of response to selection with three insecticides in the dengue mosquito Aedes aegypti using mRNA sequencing. BMC Genomics, 2014, 15, 174.	1.2	82
18	Molecular mechanisms associated with increased tolerance to the neonicotinoid insecticide imidacloprid in the dengue vector Aedes aegypti. Aquatic Toxicology, 2013, 126, 326-337.	1.9	78

#	Article	IF	Citations
19	Country-level operational implementation of the Global Plan for Insecticide Resistance Management. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9397-9402.	3.3	76
20	Arginine and proline applied as food additives stimulate high freeze tolerance in larvae of Drosophila melanogaster. Journal of Experimental Biology, 2016, 219, 2358-2367.	0.8	76
21	In the hunt for genomic markers of metabolic resistance to pyrethroids in the mosquito Aedes aegypti: An integrated next-generation sequencing approach. PLoS Neglected Tropical Diseases, 2017, 11, e0005526.	1.3	73
22	Identification of Carboxylesterase Genes Implicated in Temephos Resistance in the Dengue Vector Aedes aegypti. PLoS Neglected Tropical Diseases, 2014, 8, e2743.	1.3	68
23	Impact of agriculture on the selection of insecticide resistance in the malaria vector Anopheles gambiae: a multigenerational study in controlled conditions. Parasites and Vectors, 2014, 7, 480.	1.0	66
24	Do pollutants affect insecticide-driven gene selection in mosquitoes? Experimental evidence from transcriptomics. Aquatic Toxicology, 2012, 114-115, 49-57.	1.9	60
25	Investigation of mechanisms of bendiocarb resistance in Anopheles gambiae populations from the city of YaoundÃ©, Cameroon. Malaria Journal, 2016, 15, 424.	0.8	45
26	Adherence to minimal experimental requirements for defining extracellular vesicles and their functions. Advanced Drug Delivery Reviews, 2021, 176, 113872.	6.6	39
27	Physiological basis for low-temperature survival and storage of quiescent larvae of the fruit fly Drosophila melanogaster. Scientific Reports, 2016, 6, 32346.	1.6	36
28	Molecular characterization of DDT resistance in Anopheles gambiae from Benin. Parasites and Vectors, 2014, 7, 409.	1.0	32
29	Self-assembly of differentiated progenitor cells facilitates spheroid human skin organoid formation and planar skin regeneration. Theranostics, 2021, 11, 8430-8447.	4.6	31
30	Pyrethroid Resistance in Anopheles gambiae, in Bomi County, Liberia, Compromises Malaria Vector Control. PLoS ONE, 2012, 7, e44986.	1.1	24
31	Chemical and biological insecticides select distinct gene expression patterns in Aedes aegypti mosquito. Biology Letters, 2014, 10, 20140716.	1.0	24
32	Synergy of Human Platelet-Derived Extracellular Vesicles with Secretome Proteins Promotes Regenerative Functions. Biomedicines, 2022, 10, 238.	1.4	19
33	Hypoxic Conditions Promote the Angiogenic Potential of Human Induced Pluripotent Stem Cell-Derived Extracellular Vesicles. International Journal of Molecular Sciences, 2021, 22, 3890.	1.8	18
34	High-throughput fecundity measurements in Drosophila. Scientific Reports, 2018, 8, 4469.	1.6	16
35	The Leukotriene Receptor Antagonist Montelukast Attenuates Neuroinflammation and Affects Cognition in Transgenic 5xFAD Mice. International Journal of Molecular Sciences, 2021, 22, 2782.	1.8	15
36	Batch Effects during Human Bone Marrow Stromal Cell Propagation Prevail Donor Variation and Culture Duration: Impact on Genotype, Phenotype and Function. Cells, 2022, 11, 946.	1.8	12

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37	Larvae of Drosophila melanogaster exhibit transcriptional activation of immune response pathways and antimicrobial peptides during recovery from supercooling stress. Insect Biochemistry and Molecular Biology, 2019, 105, 60-68.	1.2	10
38	Fitness effects for Ace insecticide resistance mutations are determined by ambient temperature. BMC Biology, 2020, 18, 157.	1.7	8
39	Reconditioning the Neurogenic Niche of Adult Non-human Primates by Antisense Oligonucleotide-Mediated Attenuation of TGFÎ² Signaling. Neurotherapeutics, 2021, 18, 1963-1979.	2.1	4
40	Scalable Enrichment of Immunomodulatory Human Acute Myeloid Leukemia Cell Line-Derived Extracellular Vesicles. Cells, 2021, 10, 3321.	1.8	3