

# Stéphane Reynaud

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,815  
citations

218381

26  
h-index

182168

51  
g-index

61  
all docs

61  
docs citations

61  
times ranked

3157  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of polycyclic aromatic hydrocarbons on the immune system of fish: A review. <i>Aquatic Toxicology</i> , 2006, 77, 229-238.	1.9	309
2	Cross-induction of detoxification genes by environmental xenobiotics and insecticides in the mosquito <i>Aedes aegypti</i> : Impact on larval tolerance to chemical insecticides. <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 540-551.	1.2	246
3	Insecticide Resistance in the Dengue Vector <i>Aedes aegypti</i> from Martinique: Distribution, Mechanisms and Relations with Environmental Factors. <i>PLoS ONE</i> , 2012, 7, e30989.	1.1	183
4	Exploring the molecular basis of insecticide resistance in the dengue vector <i>Aedes aegypti</i> : a case study in Martinique Island (French West Indies). <i>BMC Genomics</i> , 2009, 10, 494.	1.2	163
5	Identifying genomic changes associated with insecticide resistance in the dengue mosquito <i>Aedes aegypti</i> by deep targeted sequencing. <i>Genome Research</i> , 2015, 25, 1347-1359.	2.4	151
6	Transcriptome response to pollutants and insecticides in the dengue vector <i>Aedes aegypti</i> using next-generation sequencing technology. <i>BMC Genomics</i> , 2010, 11, 216.	1.2	111
7	Impact of glyphosate and benzo[a]pyrene on the tolerance of mosquito larvae to chemical insecticides. Role of detoxification genes in response to xenobiotics. <i>Aquatic Toxicology</i> , 2009, 93, 61-69.	1.9	109
8	Transcription profiling of eleven cytochrome P450s potentially involved in xenobiotic metabolism in the mosquito <i>Aedes aegypti</i> . <i>Insect Molecular Biology</i> , 2010, 19, 185-193.	1.0	103
9	The central role of mosquito cytochrome P450 CYP6Zs in insecticide detoxification revealed by functional expression and structural modelling. <i>Biochemical Journal</i> , 2013, 455, 75-85.	1.7	92
10	Comparative analysis of response to selection with three insecticides in the dengue mosquito <i>Aedes aegypti</i> using mRNA sequencing. <i>BMC Genomics</i> , 2014, 15, 174.	1.2	82
11	Molecular mechanisms associated with increased tolerance to the neonicotinoid insecticide imidacloprid in the dengue vector <i>Aedes aegypti</i> . <i>Aquatic Toxicology</i> , 2013, 126, 326-337.	1.9	78
12	In the hunt for genomic markers of metabolic resistance to pyrethroids in the mosquito <i>Aedes aegypti</i> : An integrated next-generation sequencing approach. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005526.	1.3	73
13	Long Lasting Persistence of <i>Bacillus thuringiensis</i> Subsp. <i>israelensis</i> (Bti) in Mosquito Natural Habitats. <i>PLoS ONE</i> , 2008, 3, e3432.	1.1	63
14	Do pollutants affect insecticide-driven gene selection in mosquitoes? Experimental evidence from transcriptomics. <i>Aquatic Toxicology</i> , 2012, 114-115, 49-57.	1.9	60
15	Interactions between immune and biotransformation systems in fish: A review. <i>Aquatic Toxicology</i> , 2008, 87, 139-145.	1.9	56
16	Unexpected metabolic disorders induced by endocrine disruptors in <i>Xenopus tropicalis</i> provide new lead for understanding amphibian decline. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4416-E4425.	3.3	49
17	Agrochemicals disrupt multiple endocrine axes in amphibians. <i>Molecular and Cellular Endocrinology</i> , 2020, 513, 110861.	1.6	44
18	Fate of <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> in the Field: Evidence for Spore Recycling and Differential Persistence of Toxins in Leaf Litter. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8362-8367.	1.4	40

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19	Impaired liver function in <i>Xenopus tropicalis</i> exposed to benzo[a]pyrene: transcriptomic and metabolic evidence. <i>BMC Genomics</i> , 2014, 15, 666.	1.2	40
20	Metabolic and immune impairments induced by the endocrine disruptors benzo[ a ]pyrene and triclosan in <i>Xenopus tropicalis</i> . <i>Chemosphere</i> , 2016, 155, 519-527.	4.2	36
21	Effect of organochlorine pesticides exposure on the maize root metabolome assessed using high-resolution magic-angle spinning 1H NMR spectroscopy. <i>Environmental Pollution</i> , 2016, 214, 539-548.	3.7	34
22	Toxicokinetic of benzo[a]pyrene and fipronil in female green frogs ( <i>Pelophylax kl. esculentus</i> ). <i>Environmental Pollution</i> , 2012, 161, 206-214.	3.7	29
23	Cross Talk between Immunoglobulin Heavy-Chain Transcription and RNA Surveillance during B Cell Development. <i>Molecular and Cellular Biology</i> , 2012, 32, 107-117.	1.1	28
24	Gene expression patterns and sequence polymorphisms associated with mosquito resistance to <i>Bacillus thuringiensis israelensis</i> toxins. <i>BMC Genomics</i> , 2014, 15, 926.	1.2	28
25	Interallelic Class Switch Recombination Contributes Significantly to Class Switching in Mouse B Cells. <i>Journal of Immunology</i> , 2005, 174, 6176-6183.	0.4	27
26	Transcription profiling of resistance to Bti toxins in the mosquito <i>Aedes aegypti</i> using next-generation sequencing. <i>Journal of Invertebrate Pathology</i> , 2012, 109, 201-208.	1.5	27
27	A cross-species comparative approach to assessing multi- and transgenerational effects of endocrine disrupting chemicals. <i>Environmental Research</i> , 2022, 204, 112063.	3.7	27
28	The effects of 3-methylcholanthrene on lymphocyte proliferation in the common carp ( <i>Cyprinus</i> ) Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 3	2.0	26
29	The effects of 3-methylcholanthrene on macrophage respiratory burst and biotransformation activities in the common carp ( <i>Cyprinus carpio</i> L.). <i>Fish and Shellfish Immunology</i> , 2002, 12, 17-34.	1.6	25
30	Emerging concepts and opportunities for endocrine disruptor screening of the non-EATS modalities. <i>Environmental Research</i> , 2022, 204, 111904.	3.7	25
31	3-Methylcholanthrene induces lymphocyte and phagocyte apoptosis in common carp ( <i>Cyprinus carpio</i> ) Tj ETQq1 1 0,784314,rgBT/O	1.9	24
32	PGE2 receptor subtype functionality on immature forms of human leukemic blasts. <i>Leukemia Research</i> , 2006, 30, 1309-1313.	0.4	24
33	Physiological and biochemical modes of action of the diphenylether aclofen. <i>Pesticide Biochemistry and Physiology</i> , 2009, 93, 65-71.	1.6	24
34	Decreased Toxicity of <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> to Mosquito Larvae after Contact with Leaf Litter. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5189-5195.	1.4	24
35	Chemical and biological insecticides select distinct gene expression patterns in <i>Aedes aegypti</i> mosquito. <i>Biology Letters</i> , 2014, 10, 20140716.	1.0	24
36	Impact of micropollutants on the life-history traits of the mosquito <i>Aedes aegypti</i> : On the relevance of transgenerational studies. <i>Environmental Pollution</i> , 2017, 220, 242-254.	3.7	24

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37	3-Methylcholanthrene Increases Phorbol 12-Myristate 13-Acetate-Induced Respiratory Burst Activity and Intracellular Calcium Levels in Common Carp ( <i>Cyprinus carpio</i> L) Macrophages. <i>Toxicology and Applied Pharmacology</i> , 2001, 175, 1-9.	1.3	23
38	The herbicide aclonifen: The complex theoretical bases of sunflower tolerance. <i>Pesticide Biochemistry and Physiology</i> , 2011, 100, 193-198.	1.6	22
39	Combining genetic crosses and pool targeted DNA-seq for untangling genomic variations associated with resistance to multiple insecticides in the mosquito <i>Aedes aegypti</i> . <i>Evolutionary Applications</i> , 2020, 13, 303-317.	1.5	22
40	3-Methylcholanthrene inhibits lymphocyte proliferation and increases intracellular calcium levels in common carp ( <i>Cyprinus carpio</i> L). <i>Aquatic Toxicology</i> , 2003, 63, 319-331.	1.9	21
41	Isolation of technogenic magnetic particles. <i>Science of the Total Environment</i> , 2014, 475, 39-47.	3.9	19
42	Experimental evolution supports the potential of neonicotinoid-pyrethroid combination for managing insecticide resistance in malaria vectors. <i>Scientific Reports</i> , 2021, 11, 19501.	1.6	15
43	Lindane-induced macrophage activating factor (MAF) production by peripheral blood leukocytes (PBLs) of rainbow trout ( <i>Oncorhynchus mykiss</i> ): involvement of intracellular cAMP mobilization. <i>Aquatic Toxicology</i> , 2002, 56, 81-91.	1.9	14
44	Ubiquitous Water-Soluble Molecules in Aquatic Plant Exudates Determine Specific Insect Attraction. <i>PLoS ONE</i> , 2008, 3, e3350.	1.1	14
45	Multiscale Approach to Deciphering the Molecular Mechanisms Involved in the Direct and Intergenerational Effect of Ibuprofen on Mosquito <i>Aedes aegypti</i> . <i>Environmental Science &amp; Technology</i> , 2018, 52, 7937-7950.	4.6	14
46	Transgenerational metabolic disorders and reproduction defects induced by benzo[a]pyrene in <i>Xenopus tropicalis</i> . <i>Environmental Pollution</i> , 2021, 269, 116109.	3.7	14
47	Lindane increases macrophage-activating factor production and intracellular calcium in rainbow trout ( <i>Oncorhynchus mykiss</i> ) leukocytes. <i>Ecotoxicology and Environmental Safety</i> , 2002, 53, 388-396.	2.9	13
48	Interallelic class switch recombination can reverse allelic exclusion and allow trans-complementation of an IgH locus switching defect. <i>European Journal of Immunology</i> , 2006, 36, 2181-2191.	1.6	13
49	Exposure of <i>Anopheles gambiae</i> larvae to a sub-lethal dose of an agrochemical mixture induces tolerance to adulticides used in vector control management. <i>Aquatic Toxicology</i> , 2022, 248, 106181.	1.9	12
50	Possible implication of macrophages in the regulation of cytochrome P450 activities in carp ( <i>Cyprinus</i> )	1.8	11
51	Concomitant exposure to benzo[a]pyrene and triclosan at environmentally relevant concentrations induces metabolic syndrome with multigenerational consequences in <i>Silurana (Xenopus) tropicalis</i> . <i>Science of the Total Environment</i> , 2019, 689, 149-159.	3.9	11
52	Functional platelet-activating factor receptors in immature forms of leukemic blasts. <i>Leukemia Research</i> , 2007, 31, 399-402.	0.4	10
53	Molecular bases of P450-mediated resistance to the neonicotinoid insecticide imidacloprid in the mosquito <i>Ae. aegypti</i> . <i>Aquatic Toxicology</i> , 2021, 236, 105860.	1.9	10
54	Interleukin-1 $\beta$ and tumor necrosis factor $\beta$ modulate cytochrome P450 activities in carp ( <i>Cyprinus</i> )	2.9	10

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55	Contrasting patterns of tolerance between chemical and biological insecticides in mosquitoes exposed to UV-A. <i>Aquatic Toxicology</i> , 2013, 140-141, 389-397.	1.9	8
56	UV light and urban pollution: Bad cocktail for mosquitoes?. <i>Aquatic Toxicology</i> , 2014, 146, 52-60.	1.9	8
57	Cell cycle disruption and apoptosis as mechanisms of toxicity of organochlorines in <i>Zea mays</i> roots. <i>Journal of Hazardous Materials</i> , 2014, 276, 312-322.	6.5	7
58	Are coarse particles unexpected common reservoirs for some atmospheric anthropogenic trace elements? A case study. <i>Atmospheric Environment</i> , 2013, 74, 217-226.	1.9	6
59	Metal exposure in cows grazing pasture contaminated by iron industry: Insights from magnetic particles used as tracers. <i>Environmental Pollution</i> , 2016, 212, 565-573.	3.7	6
60	Exposure to a mixture of benzo[a]pyrene and triclosan induces multi-and transgenerational metabolic disorders associated with decreased female investment in reproduction in <i>Silurana (Xenopus) tropicalis</i> . <i>Environmental Pollution</i> , 2022, 292, 118418.	3.7	4