

Thomas Guillemaud

List of Publications by Year in descending order

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84
papers

6,625
citations

70961

41
h-index

64668

79
g-index

88
all docs

88
docs citations

88
times ranked

6771
citing authors

#	ARTICLE	IF	CITATIONS
1	Inferring population history with <i>DIY ABC</i> : a user-friendly approach to approximate Bayesian computation. <i>Bioinformatics</i> , 2008, 24, 2713-2719.	1.8	616
2	Reconstructing routes of invasion using genetic data: why, how and so what?. <i>Molecular Ecology</i> , 2010, 19, 4113-4130.	2.0	520
3	The invasive South American tomato pinworm, <i>Tuta absoluta</i> , continues to spread in Afro-Eurasia and beyond: the new threat to tomato world production. <i>Journal of Pest Science</i> , 2011, 84, 403-408.	1.9	399
4	Bridgehead Effect in the Worldwide Invasion of the Biocontrol Harlequin Ladybird. <i>PLoS ONE</i> , 2010, 5, e9743.	1.1	387
5	Multiple Transatlantic Introductions of the Western Corn Rootworm. <i>Science</i> , 2005, 310, 992-992.	6.0	284
6	High-throughput microsatellite isolation through 454 GSâ€¦FLX Titanium pyrosequencing of enriched DNA libraries. <i>Molecular Ecology Resources</i> , 2011, 11, 638-644.	2.2	276
7	The harlequin ladybird, <i>Harmonia axyridis</i> : global perspectives on invasion history and ecology. <i>Biological Invasions</i> , 2016, 18, 997-1044.	1.2	275
8	Tracking the evolution of insecticide resistance in the mosquito <i>Culex pipiens</i> . <i>Nature</i> , 1999, 400, 861-864.	13.7	196
9	Invasion of Europe by the western corn rootworm, <i>Diabrotica virgifera virgifera</i> : multiple transatlantic introductions with various reductions of genetic diversity. <i>Molecular Ecology</i> , 2008, 17, 3614-3627.	2.0	183
10	Heterogeneity of selection and the evolution of resistance. <i>Trends in Ecology and Evolution</i> , 2013, 28, 110-118.	4.2	178
11	Inbreeding Depression Is Purged in the Invasive Insect <i>Harmonia axyridis</i> . <i>Current Biology</i> , 2011, 21, 424-427.	1.8	174
12	Inferring introduction routes of invasive species using approximate Bayesian computation on microsatellite data. <i>Heredity</i> , 2010, 104, 88-99.	1.2	145
13	Western corn rootworm (<i>Diabrotica virgifera virgifera</i> LeConte) population dynamics. <i>Agricultural and Forest Entomology</i> , 2009, 11, 29-46.	0.7	143
14	FITNESS COSTS OF INSECTICIDE RESISTANCE IN NATURAL BREEDING SITES OF THE MOSQUITO <i>CULEX PAPIENS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 128-135.	1.1	142
15	Inferring the origin of populations introduced from a genetically structured native range by approximate Bayesian computation: case study of the invasive ladybird <i>Harmonia axyridis</i> . <i>Molecular Ecology</i> , 2011, 20, 4654-4670.	2.0	134
16	An overview of the evolution of overproduced esterases in the mosquito <i>Culex pipiens</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 1707-1711.	1.8	122
17	Contrasting levels of variability between cytoplasmic genomes and incompatibility types in the mosquito <i>Culex pipiens</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 245-251.	1.2	115
18	Complementarity of statistical treatments to reconstruct worldwide routes of invasion: the case of the Asian ladybird <i>Harmonia axyridis</i> . <i>Molecular Ecology</i> , 2014, 23, 5979-5997.	2.0	101

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19	Rapid increase in dispersal during range expansion in the invasive ladybird <i>Harmonia axyridis</i> . <i>Journal of Evolutionary Biology</i> , 2014, 27, 508-517.	0.8	99
20	Biological invasions in agricultural settings: Insights from evolutionary biology and population genetics. <i>Comptes Rendus - Biologies</i> , 2011, 334, 237-246.	0.1	90
21	Coordinated <i>Diabrotica</i> Genetics Research: Accelerating Progress on an Urgent Insect Pest Problem. <i>American Entomologist</i> , 2006, 52, 90-97.	0.1	87
22	Estimation of demographic genetic model probabilities with Approximate Bayesian Computation using linear discriminant analysis on summary statistics. <i>Molecular Ecology Resources</i> , 2012, 12, 846-855.	2.2	87
23	Spatial and temporal genetic variability in French populations of the peach-potato aphid, <i>Myzus persicae</i> . <i>Heredity</i> , 2003, 91, 143-152.	1.2	80
24	Evaluating Gene Flow Using Selected Markers: A Case Study. <i>Genetics</i> , 1998, 149, 1383-1392.	1.2	79
25	Variation of Dominance of Newly Arisen Adaptive Genes. <i>Genetics</i> , 1997, 147, 1225-1234.	1.2	74
26	The tomato borer, <i>Tuta absoluta</i> , invading the Mediterranean Basin, originates from a single introduction from Central Chile. <i>Scientific Reports</i> , 2015, 5, 8371.	1.6	72
27	EVOLUTION OF RESISTANCE IN <i>CULEX PIPIENS</i> : ALLELE REPLACEMENT AND CHANGING ENVIRONMENT. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 443-453.	1.1	70
28	Population genetics of insecticide resistance in the mosquito <i>Culex pipiens</i> . <i>Biological Journal of the Linnean Society</i> , 1999, 68, 147-157.	0.7	66
29	Testing the unique amplification event and the worldwide migration hypothesis of insecticide resistance genes with sequence data. <i>Heredity</i> , 1996, 77, 535-543.	1.2	63
30	APPEARANCE AND SWEEP OF A GENE DUPLICATION: ADAPTIVE RESPONSE AND POTENTIAL FOR NEW FUNCTIONS IN THE MOSQUITO <i>CULEX PIPIENS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 1705-1712.	1.1	60
31	Phylogenetic relationships of the north-eastern Atlantic and Mediterranean blenniids. <i>Biological Journal of the Linnean Society</i> , 2005, 86, 283-295.	0.7	58
32	Evolution of Resistance in <i>Culex pipiens</i> : Allele Replacement and Changing Environment. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 443.	1.1	57
33	Genes, gene flow and adaptation of <i>Diabrotica virgifera virgifera</i> . <i>Agricultural and Forest Entomology</i> , 2009, 11, 47-60.	0.7	54
34	Incidence of insecticide resistance alleles in sexually-reproducing populations of the peach-potato aphid <i>Myzus persicae</i> (Hemiptera: Aphididae) from southern France. <i>Bulletin of Entomological Research</i> , 2003, 93, 289-297.	0.5	53
35	Does insecticide resistance alone account for the low genetic variability of asexually reproducing populations of the peach-potato aphid <i>Myzus persicae</i> ?. <i>Heredity</i> , 2005, 94, 630-639.	1.2	50
36	Stratified dispersal and increasing genetic variation during the invasion of Central Europe by the western corn rootworm, <i>Diabrotica virgifera virgifera</i> . <i>Evolutionary Applications</i> , 2011, 4, 54-70.	1.5	49

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37	The skill and style to model the evolution of resistance to pesticides and drugs. <i>Evolutionary Applications</i> , 2010, 3, 375-390.	1.5	48
38	Genome-wide survey and analysis of microsatellites in nematodes, with a focus on the plant-parasitic species <i>Meloidogyne incognita</i> . <i>BMC Genomics</i> , 2010, 11, 598.	1.2	45
39	Appearance and Sweep of a Gene Duplication: Adaptive Response and Potential for New Functions in the Mosquito <i>Culex pipiens</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 1705.	1.1	44
40	Genome scan of <i>Diabrotica virgifera virgifera</i> for genetic variation associated with crop rotation tolerance. <i>Journal of Applied Entomology</i> , 2007, 131, 378-385.	0.8	44
41	Polymorphisms and fluctuations in copy number of amplified esterase genes in <i>Culex pipiens</i> mosquitoes. <i>Insect Molecular Biology</i> , 1998, 7, 295-300.	1.0	43
42	Molecular identification of a <i>Wolbachia</i> endosymbiont in a <i>Tetranychus urticae</i> strain (Acari: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.0	42
43	The genetic Allee effect: a unified framework for the genetics and demography of small populations. <i>Ecosphere</i> , 2016, 7, e01413.	1.0	41
44	Microsatellite and Mitochondrial Data Provide Evidence for a Single Major Introduction for the Nearctic Leafhopper <i>Scaphoideus titanus</i> in Europe. <i>PLoS ONE</i> , 2012, 7, e36882.	1.1	38
45	Quantitative variation and selection of esterase gene amplification in <i>Culex pipiens</i> . <i>Heredity</i> , 1999, 83, 87-99.	1.2	36
46	Isolation and characterization of polymorphic microsatellite markers in <i>Abudefduf luridus</i> (Pisces: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	2.0	36
47	Secondary Contact and Admixture between Independently Invading Populations of the Western Corn Rootworm, <i>Diabrotica virgifera virgifera</i> in Europe. <i>PLoS ONE</i> , 2012, 7, e50129.	1.1	33
48	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2011â€“30 September 2011. <i>Molecular Ecology Resources</i> , 2012, 12, 185-189.	2.2	32
49	Cannibalism in invasive, native and biocontrol populations of the harlequin ladybird. <i>BMC Evolutionary Biology</i> , 2014, 14, 15.	3.2	31
50	Variability of nuclear and mitochondrial ribosomal DNA of a truffle species (<i>Tuber aestivum</i>). <i>Mycological Research</i> , 1996, 100, 547-550.	2.5	27
51	A Core Set of Microsatellite Markers for Western Corn Rootworm (Coleoptera: Chrysomelidae) Population Genetics Studies. <i>Environmental Entomology</i> , 2008, 37, 293-300.	0.7	27
52	Colonization history of the western corn rootworm (<i>Diabrotica virgifera virgifera</i>) in North America: insights from random forest ABC using microsatellite data. <i>Biological Invasions</i> , 2018, 20, 665-677.	1.2	26
53	First Insights into the Genetic Diversity of the Pinewood Nematode in Its Native Area Using New Polymorphic Microsatellite Loci. <i>PLoS ONE</i> , 2013, 8, e59165.	1.1	26
54	Genetic study of <i>Coris julis</i> (Osteichthyes, Perciformes, Labridae) evolutionary history and dispersal abilities. <i>Comptes Rendus - Biologies</i> , 2003, 326, 771-785.	0.1	25

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55	Worldwide invasion routes of the pinewood nematode: What can we infer from population genetics analyses?. <i>Biological Invasions</i> , 2015, 17, 1199-1213.	1.2	25
56	Combining genetic variation and phenotypic plasticity in tradeoff modelling. <i>Oikos</i> , 2005, 110, 330-338.	1.2	22
57	Isolation and characterization of polymorphic microsatellite markers in Eurasian vulture <i>Gyps fulvus</i> . <i>Molecular Ecology Notes</i> , 2002, 2, 557-558.	1.7	19
58	European populations of <i>Diabrotica virgifera virgifera</i> are resistant to aldrin, but not to methylparathion. <i>Journal of Applied Entomology</i> , 2009, 133, 307-314.	0.8	19
59	A revision of the status of <i>Lepadogaster lepadogaster</i> (Teleostei: Gobiesocidae): sympatric subspecies or a long misunderstood blend of species?. <i>Biological Journal of the Linnean Society</i> , 2002, 76, 327-338.	0.7	18
60	A Core Set of Microsatellite Markers for Western Corn Rootworm (Coleoptera: Chrysomelidae) Population Genetics Studies. <i>Environmental Entomology</i> , 2008, 37, 293-300.	0.7	18
61	Esterases A5 in organophosphate-resistant <i>Culex pipiens</i> from Italy. <i>Medical and Veterinary Entomology</i> , 1997, 11, 123-126.	0.7	16
62	Microsatellite DNA markers for <i>Lysiphlebus testaceipes</i> . <i>Molecular Ecology Notes</i> , 2005, 5, 109-111.	1.7	16
63	Weak Spatial and Temporal Population Genetic Structure in the Rosy Apple Aphid, <i>Dysaphis plantaginea</i> , in French Apple Orchards. <i>PLoS ONE</i> , 2011, 6, e21263.	1.1	15
64	Structure of the Scientific Community Modelling the Evolution of Resistance. <i>PLoS ONE</i> , 2007, 2, e1275.	1.1	14
65	Microsatellite-based parentage analysis reveals non-ideal free distribution in a parasitoid population. <i>Molecular Ecology</i> , 2008, 17, 2300-2309.	2.0	13
66	Absence of Genetic Divergence Between Western Corn Rootworms (Coleoptera: Chrysomelidae) Resistant and Susceptible to Control by Crop Rotation. <i>Journal of Economic Entomology</i> , 2006, 99, 685-690.	0.8	13
67	Biases of STRUCTURE software when exploring introduction routes of invasive species. <i>Heredity</i> , 2018, 120, 485-499.	1.2	12
68	FITNESS COSTS OF INSECTICIDE RESISTANCE IN NATURAL BREEDING SITES OF THE MOSQUITO CULEX PIPPIENS. Evolution; <i>International Journal of Organic Evolution</i> , 2004, 58, 128.	1.1	11
69	A revision of the status of <i>Lepadogaster lepadogaster</i> (Teleostei: Gobiesocidae): sympatric subspecies or a long misunderstood blend of species?. <i>Biological Journal of the Linnean Society</i> , 2002, 76, 327-338.	0.7	11
70	Conflicts of Interest in GM Bt Crop Efficacy and Durability Studies. <i>PLoS ONE</i> , 2016, 11, e0167777.	1.1	11
71	Resistance induction and herbivore virulence in the interaction between <i>Myzus persicae</i> (Sulzer) and a major aphid resistance gene (Rm2) from peach. <i>Arthropod-Plant Interactions</i> , 2011, 5, 369-377.	0.5	10
72	Within-species variability of the response to 20-hydroxyecdysone in peach potato aphid (<i>Myzus persicae</i>) populations. <i>Journal of Chemical Ecology</i> , 2010, 36, 101-110.	0.9	10

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73	Molecular insights into the taxonomic status of <i>Coris atlantica</i> (Pisces: Labridae). Journal of the Marine Biological Association of the United Kingdom, 2000, 80, 929-933.	0.4	8
74	Estimation of the dispersal of a major pest of maize by cline analysis of a temporary contact zone between two invasive outbreaks. Molecular Ecology, 2013, 22, 5368-5381.	2.0	8
75	Phenotypic trait changes in laboratory "reared colonies of the maize herbivore, <i>Diabrotica virgifera virgifera</i> . Bulletin of Entomological Research, 2014, 104, 97-115.	0.5	8
76	Interspecific Utility of Microsatellites in Fish: A Case Study of (CT) _n and (GT) _n Markers in the Shanny <i>Lipophrys pholis</i> (Pisces: Blenniidae) and Their Use in Other Blennioidei. Marine Biotechnology, 2000, 2, 248-253.	1.1	5
77	Development of 23 polymorphic microsatellite loci in invasive silver wattle, <i>Acacia dealbata</i> (Fabaceae). Applications in Plant Sciences, 2015, 3, 1500018.	0.8	5
78	Microsatellite characterization in the rainbow wrasse <i>Coris julis</i> (Pisces: Labridae). Molecular Ecology, 2000, 9, 631-632.	2.0	4
79	International cooperation on western corn rootworm ecology research: state-of-the-art and future research. Agricultural and Forest Entomology, 2009, 11, 3-7.	0.7	4
80	No Clear Effect of Admixture between Two European Invading Outbreaks of <i>Diabrotica virgifera virgifera</i> in Natura. PLoS ONE, 2014, 9, e106139.	1.1	4
81	Population genetics of insecticide resistance in the mosquito <i>Culex pipiens</i> . Biological Journal of the Linnean Society, 1999, 68, 147-157.	0.7	4
82	Consequences of. Journal of Evolutionary Biology, 1997, 10, 601.	0.8	4
83	Inference of the worldwide invasion routes of the pinewood nematode <i>Bursaphelenchus xylophilus</i> using approximate Bayesian computation analysis. , 0, 1, .		4
84	A revision of the status of <i>Lepadogaster lepadogaster</i> . Biological Journal of the Linnean Society, 2002, 76, 327-338.	0.7	1