

João Pinto

List of Publications by Year in descending order

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108
papers

4,670
citations

117453

34
h-index

123241

61
g-index

115
all docs

115
docs citations

115
times ranked

4953
citing authors

#	ARTICLE	IF	CITATIONS
1	Contemporary status of insecticide resistance in the major Aedes vectors of arboviruses infecting humans. PLoS Neglected Tropical Diseases, 2017, 11, e0005625.	1.3	504
2	Two Nonrecombining Sympatric Forms of the Human Malaria Parasite <i>Plasmodium ovale</i> Occur Globally. Journal of Infectious Diseases, 2010, 201, 1544-1550.	1.9	310
3	Genetic diversity of the African malaria vector <i>Anopheles gambiae</i> . Nature, 2017, 552, 96-100.	13.7	288
4	Distribution of knock-down resistance mutations in <i>Anopheles gambiae</i> molecular forms in west and west-central Africa. Malaria Journal, 2008, 7, 74.	0.8	176
5	Alternative strategies for mosquito-borne arbovirus control. PLoS Neglected Tropical Diseases, 2019, 13, e0006822.	1.3	165
6	Aedes Mosquitoes and Aedes-Borne Arboviruses in Africa: Current and Future Threats. International Journal of Environmental Research and Public Health, 2018, 15, 220.	1.2	153
7	Multiple Origins of Knockdown Resistance Mutations in the Afrotropical Mosquito Vector <i>Anopheles gambiae</i> . PLoS ONE, 2007, 2, e1243.	1.1	108
8	Sex-specific and blood meal-induced proteins of <i>Anopheles gambiae</i> midguts: analysis by two-dimensional gel electrophoresis. Malaria Journal, 2003, 2, 1.	0.8	96
9	Asymmetric introgression between sympatric molestus and pipiens forms of <i>Culex pipiens</i> (Diptera: Tj ETQq1 1 0.784314 rgBT /Over 3.2 96		
10	Ecotoxicological effects of lanthanum in <i>Mytilus galloprovincialis</i> : Biochemical and histopathological impacts. Aquatic Toxicology, 2019, 211, 181-192.	1.9	89
11	Field, Genetic, and Modeling Approaches Show Strong Positive Selection Acting upon an Insecticide Resistance Mutation in <i>Anopheles gambiae</i> s.s.. Molecular Biology and Evolution, 2010, 27, 1117-1125.	3.5	88
12	Revisiting the role of introgression vs shared ancestral polymorphisms as key processes shaping genetic diversity in the recently separated sibling species of the <i>Anopheles gambiae</i> complex. Heredity, 2004, 92, 61-68.	1.2	86
13	Co-occurrence of East and West African kdr mutations suggests high levels of resistance to pyrethroid insecticides in <i>Anopheles gambiae</i> from Libreville, Gabon. Medical and Veterinary Entomology, 2006, 20, 27-32.	0.7	81
14	Gene Flow-Dependent Genomic Divergence between <i>Anopheles gambiae</i> M and S Forms. Molecular Biology and Evolution, 2012, 29, 279-291.	3.5	79
15	Feeding patterns of molestus and pipiens forms of <i>Culex pipiens</i> (Diptera: Culicidae) in a region of high hybridization. Parasites and Vectors, 2013, 6, 93.	1.0	73
16	Toxicological assessment of anthropogenic Gadolinium in seawater: Biochemical effects in mussels <i>Mytilus galloprovincialis</i> . Science of the Total Environment, 2019, 664, 626-634.	3.9	67
17	High Levels of Hybridization between Molecular Forms of <i>Anopheles gambiae</i> from Guinea Bissau. Journal of Medical Entomology, 2008, 45, 1057-1063.	0.9	64
18	The "Far-West" of <i>Anopheles gambiae</i> Molecular Forms. PLoS ONE, 2011, 6, e16415.	1.1	62

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19	Population structure of a vector of human diseases: <i>Aedes aegypti</i> in its ancestral range, Africa. <i>Ecology and Evolution</i> , 2018, 8, 7835-7848.	0.8	57
20	Malaria in São Tomé and Príncipe: parasite prevalences and vector densities. <i>Acta Tropica</i> , 2000, 76, 185-193.	0.9	51
21	Male size does not affect mating success (of <i>Anopheles gambiae</i> in São Tomé). <i>Medical and Veterinary Entomology</i> , 2002, 16, 109-111.	0.7	51
22	Insecticide resistance is mediated by multiple mechanisms in recently introduced <i>Aedes aegypti</i> from Madeira Island (Portugal). <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005799.	1.3	51
23	Raised houses reduce mosquito bites. <i>Malaria Journal</i> , 2003, 2, 45.	0.8	50
24	<i>Plasmodium</i> sp.: Optimal Protocols for PCR Detection of Low Parasite Numbers from Mosquito (<i>Anopheles</i> sp.) Samples. <i>Experimental Parasitology</i> , 2000, 94, 269-272.	0.5	48
25	A clonal <i>Plasmodium falciparum</i> population in an isolated outbreak of malaria in the Republic of Cabo Verde. <i>Parasitology</i> , 1999, 118, 347-355.	0.7	47
26	Distribution and hybridization of <i>Culex pipiens</i> forms in Greece during the West Nile virus outbreak of 2010. <i>Infection, Genetics and Evolution</i> , 2013, 16, 218-225.	1.0	45
27	Dogs as a Favored Host Choice of <i>Anopheles gambiae sensu stricto</i> (Diptera: Culicidae) of São Tomé, West Africa. <i>Journal of Medical Entomology</i> , 2001, 38, 122-125.	0.9	44
28	Potential mosquito vectors of arboviruses in Portugal: species, distribution, abundance and West Nile infection. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2008, 102, 823-832.	0.7	44
29	'A mate or a meal'-pre-gravid behaviour of female <i>Anopheles gambiae</i> from the islands of São Tomé and Príncipe, West Africa. <i>Malaria Journal</i> , 2003, 2, 9.	0.8	43
30	Tracking Insecticide Resistance in Mosquito Vectors of Arboviruses: The Worldwide Insecticide resistance Network (WIN). <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005054.	1.3	43
31	A green method based on living macroalgae for the removal of rare-earth elements from contaminated waters. <i>Journal of Environmental Management</i> , 2020, 263, 110376.	3.8	39
32	Genetic population structure of <i>Anopheles gambiae</i> in Equatorial Guinea. <i>Malaria Journal</i> , 2007, 6, 137.	0.8	37
33	The influence of temperature and salinity on the impacts of lead in <i>Mytilus galloprovincialis</i> . <i>Chemosphere</i> , 2019, 235, 403-412.	4.2	37
34	TRANSMISSION OF MIXED PLASMODIUM SPECIES AND PLASMODIUM FALCIPARUM GENOTYPES. <i>American Journal of Tropical Medicine and Hygiene</i> , 2003, 68, 161-168.	0.6	37
35	First evidence of resistance to pyrethroid insecticides in Italian <i>Aedes albopictus</i> populations 26 years after invasion. <i>Pest Management Science</i> , 2018, 74, 1319-1327.	1.7	36
36	The impact of indoor residual spraying with malathion on malaria in refugee camps in eastern Sudan. <i>Acta Tropica</i> , 2001, 80, 1-8.	0.9	35

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37	Geographic Structuring of the Plasmodium falciparum Sarco(endo)plasmic Reticulum Ca ²⁺ ATPase (PfSERCA) Gene Diversity. PLoS ONE, 2010, 5, e9424.	1.1	35
38	Dipeptide derivatives of primaquine as transmission-blocking antimalarials: effect of aliphatic side-chain acylation on the gametocytocidal activity and on the formation of carboxyprimaquine in rat liver homogenates. Pharmaceutical Research, 1999, 16, 949-955.	1.7	34
39	Genetic structure of Anopheles gambiae (Diptera: Culicidae) in Sao Tome and Principe (West Africa): implications for malaria control. Molecular Ecology, 2002, 11, 2183-2187.	2.0	34
40	Aedes aegypti on Madeira Island (Portugal): genetic variation of a recently introduced dengue vector. Memorias Do Instituto Oswaldo Cruz, 2013, 108, 3-10.	0.8	34
41	Polymorphism of intron 1 in the voltage-gated sodium channel gene of Anopheles gambiae s.s. populations from Cameroon with emphasis on insecticide knockdown resistance mutations. Molecular Ecology, 2009, 18, 3076-3086.	2.0	33
42	Culex pipiens as a potential vector for transmission of Dirofilaria immitis and other unclassified Filarioidea in Southwest Spain. Veterinary Parasitology, 2016, 223, 173-180.	0.7	33
43	Plasmodium species mixed infections in two areas of Manhiça District, Mozambique. International Journal of Biological Sciences, 2005, 1, 96-102.	2.6	33
44	An island within an island: genetic differentiation of Anopheles gambiae in São Tomé, West Africa, and its relevance to malaria vector control. Heredity, 2003, 91, 407-414.	1.2	32
45	Genetic and phenotypic variation of the malaria vector Anopheles atroparvus in southern Europe. Malaria Journal, 2011, 10, 5.	0.8	32
46	Evidence for a discrete evolutionary lineage within Equatorial Guinea suggests that the tsetse fly Glossina palpalis palpalis exists as a species complex. Molecular Ecology, 2009, 18, 3268-3282.	2.0	31
47	Geographic population structure of the African malaria vector Anopheles gambiae suggests a role for the forest-savannah biome transition as a barrier to gene flow. Evolutionary Applications, 2013, 6, 910-924.	1.5	29
48	The mosquito fauna of the western region of Spain with emphasis on ecological factors and the characterization of Culex pipiens forms. Journal of Vector Ecology, 2017, 42, 136-147.	0.5	29
49	Massive introgression drives species radiation at the range limit of Anopheles gambiae. Scientific Reports, 2017, 7, 46451.	1.6	28
50	Entomological Characteristics of Malaria Transmission in Manhiça, a Rural Area in Southern Mozambique. Journal of Medical Entomology, 2005, 42, 180-186.	0.9	27
51	Seasonal genetic partitioning in the neotropical malaria vector, Anopheles darlingi. Malaria Journal, 2014, 13, 203.	0.8	26
52	The V410L knockdown resistance mutation occurs in island and continental populations of Aedes aegypti in West and Central Africa. PLoS Neglected Tropical Diseases, 2020, 14, e0008216.	1.3	26
53	Influence of toxic elements on the simultaneous uptake of rare earth elements from contaminated waters by estuarine macroalgae. Chemosphere, 2020, 252, 126562.	4.2	26
54	Knockdown resistance mutations (kdr) and insecticide susceptibility to DDT and pyrethroids in Anopheles gambiae from Equatorial Guinea. Tropical Medicine and International Health, 2008, 13, 430-433.	1.0	25

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55	Assessment of marine macroalgae potential for gadolinium removal from contaminated aquatic systems. <i>Science of the Total Environment</i> , 2020, 749, 141488.	3.9	25
56	Origin and expansion of the mosquito <i>Aedes aegypti</i> in Madeira Island (Portugal). <i>Scientific Reports</i> , 2019, 9, 2241.	1.6	24
57	Pyruvate Kinase Deficiency in Sub-Saharan Africa: Identification of a Highly Frequent Missense Mutation (G829A;Glu277Lys) and Association with Malaria. <i>PLoS ONE</i> , 2012, 7, e47071.	1.1	24
58	Comparative analyses reveal discrepancies among results of commonly used methods for <i>Anopheles gambiae</i> molecular form identification. <i>Malaria Journal</i> , 2011, 10, 215.	0.8	23
59	Population diversity of <i>Theileria annulata</i> in Portugal. <i>Infection, Genetics and Evolution</i> , 2016, 42, 14-19.	1.0	23
60	International workshop on insecticide resistance in vectors of arboviruses, December 2016, Rio de Janeiro, Brazil. <i>Parasites and Vectors</i> , 2017, 10, 278.	1.0	23
61	Mosquito fauna on the Cape Verde Islands (West Africa): an update on species distribution and a new finding. <i>Journal of Vector Ecology</i> , 2010, 35, 307-312.	0.5	21
62	Seasonal population dynamics and the genetic structure of the mosquito vector <i>Aedes aegypti</i> in São Paulo, Brazil. <i>Ecology and Evolution</i> , 2012, 2, 2794-2802.	0.8	20
63	Prominent intraspecific genetic divergence within <i>Anopheles gambiae</i> sibling species triggered by habitat discontinuities across a riverine landscape. <i>Molecular Ecology</i> , 2014, 23, 4574-4589.	2.0	20
64	Phylogeography and invasion history of <i>Aedes aegypti</i> , the Dengue and Zika mosquito vector in Cape Verde islands (West Africa). <i>Evolutionary Applications</i> , 2019, 12, 1797-1811.	1.5	19
65	Nutshells as Efficient Biosorbents to Remove Cadmium, Lead, and Mercury from Contaminated Solutions. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1580.	1.2	18
66	Mating does not affect the biting behaviour of <i>Anopheles gambiae</i> from the islands of São Tomé and Príncipe, West Africa. <i>Annals of Tropical Medicine and Parasitology</i> , 2003, 97, 751-756.	1.6	17
67	Genetic isolation within the malaria mosquito <i>Anopheles melas</i> . <i>Molecular Ecology</i> , 2012, 21, 4498-4513.	2.0	17
68	Transmission of mixed <i>Plasmodium</i> species and <i>Plasmodium falciparum</i> genotypes. <i>American Journal of Tropical Medicine and Hygiene</i> , 2003, 68, 161-8.	0.6	17
69	Do bednets reduce malaria transmission by exophagic mosquitoes?. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2005, 99, 901-904.	0.7	16
70	Tracing the origins and signatures of selection of antifolate resistance in island populations of <i>Plasmodium falciparum</i> . <i>BMC Infectious Diseases</i> , 2010, 10, 163.	1.3	16
71	First report of an exophilic <i>Anopheles arabiensis</i> population in Bissau City, Guinea-Bissau: recent introduction or sampling bias?. <i>Malaria Journal</i> , 2014, 13, 423.	0.8	16
72	Competition among rare earth elements on sorption onto six seaweeds. <i>Journal of Rare Earths</i> , 2021, 39, 734-741.	2.5	16

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73	Adaptive Potential of Hybridization among Malaria Vectors: Introgression at the Immune Locus TEP1 between <i>Anopheles coluzzii</i> and <i>A. gambiae</i> in "Far-West" Africa. PLoS ONE, 2015, 10, e0127804.	1.1	16
74	Exploring the origin and degree of genetic isolation of <i>Anopheles gambiae</i> from the islands of São Tomé and Príncipe, potential sites for testing transgenic-based vector control. Evolutionary Applications, 2008, 1, 631-644.	1.5	15
75	The last bastion? X chromosome genotyping of <i>Anopheles gambiae</i> species pair males from a hybrid zone reveals complex recombination within the major candidate "genomic island of speciation". Molecular Ecology, 2016, 25, 5719-5731.	2.0	15
76	A Primer-Introduced Restriction Analysis-Polymerase Chain Reaction Method to Detect Knockdown Resistance Mutations in <i>Anopheles gambiae</i> . Journal of Medical Entomology, 2008, 45, 237-241.	0.9	14
77	Platinum-group elements sorption by living macroalgae under different contamination scenarios. Journal of Environmental Chemical Engineering, 2021, 9, 105100.	3.3	14
78	Hybridization and population structure of the <i>Culex pipiens</i> complex in the islands of Mallorca. Ecology and Evolution, 2012, 2, 1889-1902.	0.8	13
79	Application of the Relationship-Based Model to Engagement for Field Trials of Genetically Engineered Malaria Vectors. American Journal of Tropical Medicine and Hygiene, 2020, .	0.6	13
80	Molecular evolution of the three short PGRPs of the malaria vectors <i>Anopheles gambiae</i> and <i>Anopheles arabiensis</i> in East Africa. BMC Evolutionary Biology, 2010, 10, 9.	3.2	12
81	Limited genomic divergence between intraspecific forms of <i>Culex pipiens</i> under different ecological pressures. BMC Evolutionary Biology, 2015, 15, 197.	3.2	12
82	Optimization of Nd(III) removal from water by <i>Ulva</i> sp. and <i>Gracilaria</i> sp. through Response Surface Methodology. Journal of Environmental Chemical Engineering, 2021, 9, 105946.	3.3	12
83	Liaisons dangereuses: cross-border gene flow and dispersal of insecticide resistance-associated genes in the mosquito <i>Aedes aegypti</i> from Brazil and French Guiana. Memórias Do Instituto Oswaldo Cruz, 2019, 114, e190120.	0.8	12
84	Studies on the behaviour of peridomestic and endophagic M form <i>Anopheles gambiae</i> from a rice growing area of Ghana. Bulletin of Entomological Research, 2011, 101, 533-539.	0.5	10
85	<i>Glossina palpalis palpalis</i> populations from Equatorial Guinea belong to distinct allopatric clades. Parasites and Vectors, 2014, 7, 31.	1.0	10
86	Implementation strategies to increase access and demand of long-lasting insecticidal nets: a before-and-after study and scale-up process in Mozambique. Malaria Journal, 2017, 16, 429.	0.8	9
87	Response surface approach to optimize the removal of the critical raw material dysprosium from water through living seaweeds. Journal of Environmental Management, 2021, 300, 113697.	3.8	9
88	Ethical Considerations for Gene Drive: Challenges of Balancing Inclusion, Power and Perspectives. Frontiers in Bioengineering and Biotechnology, 2022, 10, 826727.	2.0	9
89	Potentialities of Agro-Based Wastes to Remove Cd, Hg, Pb, and As from Contaminated Waters. Water, Air, and Soil Pollution, 2022, 233, 1.	1.1	9
90	Simplified methodology for PCR investigation of midguts from mosquitoes of the <i>Anopheles gambiae</i> complex, in which the vector and <i>Plasmodium</i> species can both be identified. Annals of Tropical Medicine and Parasitology, 1997, 91, 217-219.	1.6	8

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91	A Novel Allele Specific Polymerase Chain Reaction (AS-PCR) Assay to Detect the V1016G Knockdown Resistance Mutation Confirms Its Widespread Presence in <i>Aedes albopictus</i> Populations from Italy. <i>Insects</i> , 2021, 12, 79.	1.0	8
92	New Insights into the Population Structure of <i>Anopheles gambiae</i> s.s. in the Gulf of Guinea Islands Revealed by Herves Transposable Elements. <i>PLoS ONE</i> , 2013, 8, e62964.	1.1	8
93	The palpal ratio method compared with PCR to distinguish between <i>Anopheles gambiae</i> s.s. and <i>A. melas</i> from Guinea Bissau, West Africa. <i>Acta Tropica</i> , 1998, 70, 101-107.	0.9	7
94	The <i>Culex pipiens</i> Complex in Continental Portugal: Distribution and Genetic Structure. <i>Journal of the American Mosquito Control Association</i> , 2012, 28, 75-80.	0.2	7
95	Remarkable diversity of intron-1 of the para voltage-gated sodium channel gene in an <i>Anopheles gambiae</i> / <i>Anopheles coluzzii</i> hybrid zone. <i>Malaria Journal</i> , 2015, 14, 9.	0.8	7
96	A novel nested polymerase chain reaction assay targeting <i>Plasmodium</i> mitochondrial DNA in field-collected <i>Anopheles</i> mosquitoes. <i>Medical and Veterinary Entomology</i> , 2018, 32, 372-377.	0.7	7
97	Novel genotyping approaches to easily detect genomic admixture between the major Afrotropical malaria vector species, <i>Anopheles coluzzii</i> and <i>An. gambiae</i> . <i>Molecular Ecology Resources</i> , 2021, 21, 1504-1516.	2.2	7
98	The origin of island populations of the African malaria mosquito, <i>Anopheles coluzzii</i> . <i>Communications Biology</i> , 2021, 4, 630.	2.0	7
99	An alternative approach to detect <i>Trypanosoma</i> in <i>Glossina</i> (Diptera, Glossinidae) without dissection. <i>Journal of Infection in Developing Countries</i> , 2008, 2, 63-7.	0.5	7
100	Genetic diversity and population structure of <i>Plasmodium falciparum</i> over space and time in an African archipelago. <i>Infection, Genetics and Evolution</i> , 2016, 43, 252-260.	1.0	6
101	Analysis of the sporozoite ELISA for estimating infection rates in <i>Mozambican</i> anophelines. <i>Medical and Veterinary Entomology</i> , 2015, 29, 10-16.	0.7	5
102	Effectiveness of a new long-lasting insecticidal nets delivery model in two rural districts of Mozambique: a before-after study. <i>Malaria Journal</i> , 2018, 17, 66.	0.8	5
103	Insect-specific flaviviruses and densoviruses, suggested to have been transmitted vertically, found in mosquitoes collected in Angola: Genome detection and phylogenetic characterization of viral sequences. <i>Infection, Genetics and Evolution</i> , 2020, 80, 104191.	1.0	5
104	Molecular evolution and population genetics of a Gram-negative binding protein gene in the malaria vector <i>Anopheles gambiae</i> (sensu lato). <i>Parasites and Vectors</i> , 2016, 9, 515.	1.0	4
105	Mitogenome Analyses Reveal Limited Introduction of <i>Anopheles coluzzii</i> Into the Central African Islands of São Tomé and Príncipe. <i>Frontiers in Tropical Diseases</i> , 2022, 3, .	0.5	2
106	Influence of UV degradation of bioplastics on the amplification of mercury bioavailability in aquatic environments. <i>Marine Pollution Bulletin</i> , 2022, 180, 113806.	2.3	2
107	Complete mitogenome sequence of <i>Anopheles coustani</i> from São Tomé island. <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 3376-3378.	0.2	1
108	Genetic isolation within the malaria mosquito <i>Anopheles melas</i> . <i>Molecular Ecology</i> , 2013, 22, 3878-3878.	2.0	0