

Beniamino Caputo

List of Publications by Year in descending order

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52
papers

1,822
citations

304743

22
h-index

289244

40
g-index

55
all docs

55
docs citations

55
times ranked

2119
citing authors

#	ARTICLE	IF	CITATIONS
1	Control methods against invasive <i>Aedes</i> mosquitoes in Europe: a review. <i>Pest Management Science</i> , 2015, 71, 1471-1485.	3.4	162
2	Study of <i>Aedes albopictus</i> dispersal in Rome, Italy, using sticky traps in mark-release-recapture experiments. <i>Medical and Veterinary Entomology</i> , 2010, 24, 361-368.	1.5	133
3	The "Auto-Dissemination" Approach: A Novel Concept to Fight <i>Aedes albopictus</i> in Urban Areas. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1793.	3.0	125
4	Host-Feeding Patterns of <i>Aedes albopictus</i> (Diptera: Culicidae) in Urban and Rural Contexts within Rome Province, Italy. <i>Vector-Borne and Zoonotic Diseases</i> , 2010, 10, 291-294.	1.5	104
5	<i>Anopheles gambiae</i> complex along The Gambia river, with particular reference to the molecular forms of <i>An. gambiae</i> s.s. <i>Malaria Journal</i> , 2008, 7, 182.	2.3	95
6	Cooperative interactions between odorant-binding proteins of <i>Anopheles gambiae</i> . <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1799-1813.	5.4	81
7	Identification and composition of cuticular hydrocarbons of the major Afrotropical malaria vector <i>Anopheles gambiae</i> s.s. (Diptera: Culicidae): analysis of sexual dimorphism and age-related changes. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1595-1604.	1.6	68
8	Spatial and Temporal Hot Spots of <i>Aedes albopictus</i> Abundance inside and outside a South European Metropolitan Area. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004758.	3.0	63
9	The "Far-West" of <i>Anopheles gambiae</i> Molecular Forms. <i>PLoS ONE</i> , 2011, 6, e16415.	2.5	62
10	Chromosomal plasticity and evolutionary potential in the malaria vector <i>Anopheles gambiae</i> sensu stricto: insights from three decades of rare paracentric inversions. <i>BMC Evolutionary Biology</i> , 2008, 8, 309.	3.2	60
11	Ligand-Binding Study of <i>Anopheles gambiae</i> Chemosensory Proteins. <i>Chemical Senses</i> , 2013, 38, 409-419.	2.0	60
12	First detection of a <i>Vssc</i> allele V1016G conferring a high level of insecticide resistance in <i>Aedes albopictus</i> collected from Europe (Italy) and Asia (Vietnam), 2016: a new emerging threat to controlling arboviral diseases. <i>Eurosurveillance</i> , 2019, 24, .	7.0	55
13	A bacterium against the tiger: preliminary evidence of fertility reduction after release of <i>Aedes albopictus</i> males with manipulated <i>Wolbachia</i> infection in an Italian urban area. <i>Pest Management Science</i> , 2020, 76, 1324-1332.	3.4	42
14	Estimating Mosquito Population Size From Mark-Release-Recapture Data. <i>Journal of Medical Entomology</i> , 2013, 50, 533-542.	1.8	39
15	Field evaluation of a novel synthetic odour blend and of the synergistic role of carbon dioxide for sampling host-seeking <i>Aedes albopictus</i> adults in Rome, Italy. <i>Parasites and Vectors</i> , 2014, 7, 580.	2.5	38
16	A Proteomic Investigation of Soluble Olfactory Proteins in <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , 2013, 8, e75162.	2.5	37
17	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.	3.4	36
18	Comparative analysis of epicuticular lipid profiles of sympatric and allopatric field populations of <i>Anopheles gambiae</i> s.s. molecular forms and <i>An. arabiensis</i> from Burkina Faso (West Africa). <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 389-398.	2.7	35

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19	From eggs to bites: do ovitrap data provide reliable estimates of <i>Aedes albopictus</i> biting females?. PeerJ, 2017, 5, e2998.	2.0	32
20	Massive introgression drives species radiation at the range limit of <i>Anopheles gambiae</i> . Scientific Reports, 2017, 7, 46451.	3.3	28
21	Complex interplay of evolutionary forces shaping population genomic structure of invasive <i>Aedes albopictus</i> in southern Europe. PLoS Neglected Tropical Diseases, 2019, 13, e0007554.	3.0	25
22	Looking for the gold standard: assessment of the effectiveness of four traps for monitoring mosquitoes in Italy. Journal of Vector Ecology, 2012, 37, 117-123.	1.0	24
23	Variation in interferon sensitivity and induction between Usutu and West Nile (lineages 1 and 2) viruses. Virology, 2015, 485, 189-198.	2.4	24
24	In Silico Karyotyping of Chromosomally Polymorphic Malaria Mosquitoes in the <i>Anopheles gambiae</i> Complex. G3: Genes, Genomes, Genetics, 2019, 9, 3249-3262.	1.8	24
25	Exploring Proteins in <i>Anopheles gambiae</i> Male and Female Antennae through MALDI Mass Spectrometry Profiling. PLoS ONE, 2008, 3, e2822.	2.5	24
26	Comparative analyses reveal discrepancies among results of commonly used methods for <i>Anopheles gambiae</i> molecular form identification. Malaria Journal, 2011, 10, 215.	2.3	23
27	New adhesive traps to monitor urban mosquitoes with a case study to assess the efficacy of insecticide control strategies in temperate areas. Parasites and Vectors, 2015, 8, 134.	2.5	22
28	Prominent intraspecific genetic divergence within <i>Anopheles gambiae</i> sibling species triggered by habitat discontinuities across a riverine landscape. Molecular Ecology, 2014, 23, 4574-4589.	3.9	20
29	Phenotypic and genotypic pyrethroid resistance of <i>Aedes albopictus</i> , with focus on the 2017 chikungunya outbreak in Italy. Pest Management Science, 2019, 75, 2642-2651.	3.4	20
30	ZanzaMapp: A Scalable Citizen Science Tool to Monitor Perception of Mosquito Abundance and Nuisance in Italy and Beyond. International Journal of Environmental Research and Public Health, 2020, 17, 7872.	2.6	19
31	Forecasting the spatial and seasonal dynamic of <i>Aedes albopictus</i> oviposition activity in Albania and Balkan countries. PLoS Neglected Tropical Diseases, 2018, 12, e0006236.	3.0	18
32	PCR-based karyotyping of <i>Anopheles gambiae</i> inversion 2Rj identifies the BAMAKO chromosomal form. Malaria Journal, 2007, 6, 133.	2.3	17
33	Estimating the risk of Dengue, Chikungunya and Zika outbreaks in a large European city. Scientific Reports, 2018, 8, 16435.	3.3	17
34	Usutu virus growth in human cell lines: induction of and sensitivity to type I and III interferons. Journal of General Virology, 2013, 94, 789-795.	2.9	16
35	First report of an exophilic <i>Anopheles arabiensis</i> population in Bissau City, Guinea-Bissau: recent introduction or sampling bias?. Malaria Journal, 2014, 13, 423.	2.3	16
36	High Resolution Spatial Analysis of Habitat Preference of <i>Aedes Albopictus</i> (Diptera: Culicidae) in an Urban Environment. Journal of Medical Entomology, 2015, 52, 329-335.	1.8	16

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37	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.	2.5	16
38	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.	3.9	15
39	Mosquito surveillance and disease outbreak risk models to inform mosquito-control operations in Europe. Current Opinion in Insect Science, 2020, 39, 101-108.	4.4	14
40	Not in my backyard: effectiveness of outdoor residual spraying from hand-held sprayers against the mosquito <i>Aedes albopictus</i> in Rome, Italy. Pest Management Science, 2017, 73, 138-145.	3.4	12
41	Profiles of soluble proteins in chemosensory organs of three members of the afro-tropical <i>Anopheles gambiae</i> complex. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2017, 24, 41-50.	1.0	12
42	Assessment of the Effectiveness of a Seasonal-Long Insecticide-Based Control Strategy against <i>Aedes albopictus</i> Nuisance in an Urban Area. PLoS Neglected Tropical Diseases, 2016, 10, e0004463.	3.0	9
43	Knowledge, Attitude and Practices towards the Tiger Mosquito <i>Aedes Albopictus</i> . A Questionnaire Based Survey in Lazio Region (Italy) before the 2017 Chikungunya Outbreak. International Journal of Environmental Research and Public Health, 2020, 17, 3960.	2.6	8
44	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. Malaria Journal, 2015, 14, 9.	2.3	7
45	Novel genotyping approaches to easily detect genomic admixture between the major Afrotropical malaria vector species, <i>Anopheles coluzzii</i> and <i>An. gambiae</i> . Molecular Ecology Resources, 2021, 21, 1504-1516.	4.8	7
46	Is Cote D'Ivoire a new high hybridization zone for the two major malaria vectors, <i>Anopheles coluzzii</i> and <i>An. gambiae</i> (Diptera, Culicidae)?. Infection, Genetics and Evolution, 2022, 98, 105215.	2.3	6
47	First evidence of pyrethroid resistance in Italian populations of West Nile virus vector <i>Culex pipiens</i> . Medical and Veterinary Entomology, 2022, , .	1.5	6
48	Antiviral activity of the combination of interferon and ribavirin against chikungunya virus: are the results conclusive?. Journal of Infectious Diseases, 2017, 215, jiw579.	4.0	5
49	Spatio-Temporal Distribution of <i>Aedes Albopictus</i> and <i>Culex Pipiens</i> along an Urban-Natural Gradient in the Ventotene Island, Italy. International Journal of Environmental Research and Public Health, 2020, 17, 8300.	2.6	4
50	Entomological Survey Confirms Changes in Mosquito Composition and Abundance in Senegal and Reveals Discrepancies among Results by Different Host-Seeking Female Traps. Insects, 2021, 12, 692.	2.2	4
51	Assessing the risk of autochthonous yellow fever transmission in Lazio, central Italy. PLoS Neglected Tropical Diseases, 2019, 13, e0006970.	3.0	3
52	<i>Aedes albopictus</i> bionomics data collection by citizen participation on Procida Island, a promising Mediterranean site for the assessment of innovative and community-based integrated pest management methods. PLoS Neglected Tropical Diseases, 2021, 15, e0009698.	3.0	2