

# Barbara van Asch

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

866  
citations

471061

17  
h-index

525886

27  
g-index

59  
all docs

59  
docs citations

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times ranked

1276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitogenomics and the Global Dispersion of <i>Vespula germanica</i> : A Case Study from South Africa Shows Evidence for Two Separate Invasion Events. <i>Diversity</i> , 2022, 14, 154.	0.7	0
2	Mitogenomics and phylogenetics of twelve species of African Saturniidae (Lepidoptera). <i>PeerJ</i> , 2022, 10, e13275.	0.9	2
3	Towards Solving the "Colomerus vitis Conundrum": Genetic Evidence Reveals a Complex of Highly Diverged Groups with Little Morphological Differentiation. <i>Diversity</i> , 2022, 14, 342.	0.7	2
4	Genetic diversity of <i>Diaphorina citri</i> (Hemiptera: Liviidae) unravels phylogeographic structure and invasion history of eastern African populations. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	4
5	Mitogenomics of the Olive Seed Weevil, <i>Anchoncraus oleae</i> Marshall and Implications for Its Phylogenetic Position in Curculionidae. <i>Insects</i> , 2022, 13, 607.	1.0	2
6	Patterns and tempo of PCSK9 pseudogenizations suggest an ancient divergence in mammalian cholesterol homeostasis mechanisms. <i>Genetica</i> , 2021, 149, 1-19.	0.5	6
7	<i>Eupelmus spermophilus</i> Silvestri (Hymenoptera: Chalcidoidea), an Indigenous Olive Seed Wasp Potentially Harmful to Olive Growing in the Western Cape, South Africa. <i>African Entomology</i> , 2021, 29, .	0.6	1
8	Overview of the Genetic Diversity of African Macrotermes (Termitidae: Macrotermitinae) and Implications for Taxonomy, Ecology and Food Science. <i>Insects</i> , 2021, 12, 518.	1.0	2
9	Species Diversity and Phylogenetic Relationships of Olive Lace Bugs (Hemiptera: Tingidae) Found in South Africa. <i>Insects</i> , 2021, 12, 830.	1.0	5
10	Mitochondrial genomes and polymorphic regions of <i>Gonimbrasia belina</i> and <i>Gyanisa maja</i> (Lepidoptera: Saturniidae), two important edible caterpillars of Southern Africa. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 632-642.	3.6	10
11	Mitochondrial genetic variation reveals phylogeographic structure and cryptic diversity in <i>Trioza erythraea</i> . <i>Scientific Reports</i> , 2020, 10, 8893.	1.6	7
12	New Mitochondrial Gene Rearrangement in <i>Psytalia concolor</i> , <i>P. humilis</i> and <i>P. lounsburyi</i> (Hymenoptera: Braconidae), Three Parasitoid Species of Economic Interest. <i>Insects</i> , 2020, 11, 854.	1.0	6
13	Detection of Asian Citrus Psyllid (Hemiptera: Psyllidae) in Ethiopia: A New Haplotype and its Implication to the Proliferation of Huanglongbing. <i>Journal of Economic Entomology</i> , 2020, 113, 1640-1647.	0.8	19
14	Habitat suitability and distribution potential of <i>Liberibacter</i> species ( <i>Liberibacter</i> sp. <i>ETQq000rgBT</i> ) overlocking greening disease. <i>Diversity and Distributions</i> , 2020, 26, 575-588.	1.9	23
15	Distribution of <i>Candidatus Liberibacter</i> species in Eastern Africa, and the First Report of <i>Candidatus Liberibacter asiaticus</i> in Kenya. <i>Scientific Reports</i> , 2020, 10, 3919.	1.6	29
16	Microbiome diversity in <i>Diaphorina citri</i> populations from Kenya and Tanzania shows links to China. <i>PLoS ONE</i> , 2020, 15, e0235348.	1.1	9
17	First report of the lace bug <i>Neopleurochila palatseasi</i> (Rodrigues, 1981) (Hemiptera: Tingidae) in South Africa. <i>Zootaxa</i> , 2020, 4722, 443-462.	0.2	3
18	DNA-Based Identification of Larvae Offers Insights into the Elusive Lifestyles of Native Olive Seed Wasps in South Africa. <i>African Entomology</i> , 2020, 28, .	0.6	2

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19	Phylogeography, genetic diversity, and population structure of Nile crocodile populations at the fringes of the southern African distribution. <i>PLoS ONE</i> , 2019, 14, e0226505.	1.1	8
20	The complete mitochondrial genome of <i>Bactrocera biguttula</i> (Bezzi) (Diptera: Tephritidae) and phylogenetic relationships with other Dacini. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 130-140.	3.6	13
21	Barcoding of parasitoid wasps (Braconidae and Chalcidoidea) associated with wild and cultivated olives in the Western Cape of South Africa. <i>Genome</i> , 2019, 62, 183-199.	0.9	15
22	First Report of Field Population of <i>Trioza erytreae</i> Carrying the Huanglongbing-Associated Pathogen, <i>Candidatus Liberibacter asiaticus</i> , in Ethiopia. <i>Plant Disease</i> , 2019, 103, 1766-1766.	0.7	26
23	The mitochondrial genome of <i>Prays oleae</i> (Insecta: Lepidoptera: Praydidae). <i>Mitochondrial DNA</i> , 2016, 27, 1-2.	0.6	8
24	Applications of DNA-Based Methods in Food Forensics. <i>Security Science and Technology</i> , 2016, , 493-517.	0.5	2
25	African origin for Madagascan dogs revealed by mtDNA analysis. <i>Royal Society Open Science</i> , 2015, 2, 140552.	1.1	13
26	Marked Genetic Differentiation between Western Iberian and Italic Populations of the Olive Fly: Southern France as an Intermediate Area. <i>PLoS ONE</i> , 2015, 10, e0126702.	1.1	10
27	<i>Bactrocera oleae</i> (Diptera: Tephritidae) organophosphate resistance alleles in Iberia: Recent expansion and variable frequencies. <i>European Journal of Entomology</i> , 2015, 112, 20-26.	1.2	11
28	<i>Bactrocera oleae</i> (Diptera: Tephritidae) in Iran: An invasion from the Middle West. <i>European Journal of Entomology</i> , 2015, 112, 713-721.	1.2	8
29	A forensic perspective on the genetic identification of grapevine ( <i>Vitis vinifera</i> L.) varieties using STR markers. <i>Electrophoresis</i> , 2014, 35, 3201-3207.	1.3	9
30	The mitochondrial genome of the pinewood nematode ( <i>Bursaphelenchus xylophilus</i> ) lineage introduced in Europe. <i>Mitochondrial DNA</i> , 2014, 25, 420-421.	0.6	2
31	Genetic and DNA-Based Techniques. <i>Comprehensive Analytical Chemistry</i> , 2013, , 195-220.	0.7	0
32	Pre-Columbian origins of Native American dog breeds, with only limited replacement by European dogs, confirmed by mtDNA analysis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131142.	1.2	46
33	New Insights into the Phylogeny and Worldwide Dispersion of Two Closely Related Nematode Species, <i>Bursaphelenchus xylophilus</i> and <i>Bursaphelenchus mucronatus</i> . <i>PLoS ONE</i> , 2013, 8, e56288.	1.1	43
34	Mitochondrial haplotypes reveal olive fly ( <i>Bactrocera oleae</i> ) population substructure in the Mediterranean. <i>Genetica</i> , 2012, 140, 181-187.	0.5	15
35	Capillary Electrophoresis Analysis of a 9-plex STR Assay for Canine Genotyping. <i>Methods in Molecular Biology</i> , 2012, 830, 231-240.	0.4	0
36	New Method for the Simultaneous Identification of Cow, Sheep, Goat, and Water Buffalo in Dairy Products by Analysis of Short Species-Specific Mitochondrial DNA Targets. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10480-10485.	2.4	45

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37	Mitochondrial lineages reveal intense gene flow between Iberian wild boars and South Iberian pig breeds. <i>Animal Genetics</i> , 2012, 43, 35-41.	0.6	24
38	A Guide for Mitochondrial DNA Analysis in Non-Human Forensic Investigations. <i>The Open Forensic Science Journal</i> , 2012, 3, 33-44.	0.8	4
39	State-of-the-Art and Future Prospects of Canine STR-Based Genotyping. <i>The Open Forensic Science Journal</i> , 2012, 3, 45-52.	0.8	1
40	Population assignment in seven Portuguese dog breeds and Iberian wolves. <i>Forensic Science International: Genetics Supplement Series</i> , 2011, 3, e556-e557.	0.1	0
41	Identification of mtDNA Lineages of <i>Sus scrofa</i> by Multiplex Single Base Extension for the Authentication of Processed Food Products. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 6920-6926.	2.4	5
42	A framework for the development of STR genotyping in domestic animal species: Characterization and population study of 12 canine X-chromosome loci. <i>Electrophoresis</i> , 2010, 31, 303-308.	1.3	21
43	Identification of species by multiplex analysis of variable-length sequences. <i>Nucleic Acids Research</i> , 2010, 38, e203-e203.	6.5	53
44	Genetic profiles and sex identification of found-dead wolves determined by the use of an 11-loci PCR multiplex. <i>Forensic Science International: Genetics</i> , 2010, 4, 68-72.	1.6	20
45	A Guide for Mitochondrial DNA Analysis in Non-Human Forensic Investigations. <i>The Open Forensic Science Journal</i> , 2010, 3, 33-44.	0.8	15
46	State-of-the-Art and Future Prospects of Canine STR-Based Genotyping. <i>The Open Forensic Science Journal</i> , 2010, 3, 45-52.	0.8	9
47	An assessment of the clonality of the components of canine mixed mammary tumours by mitochondrial DNA analysis. <i>Veterinary Journal</i> , 2009, 182, 269-274.	0.6	18
48	Epistatic interactions modulate the evolution of mammalian mitochondrial respiratory complex components. <i>BMC Genomics</i> , 2009, 10, 266.	1.2	33
49	A new autosomal STR nineplex for canine identification and parentage testing. <i>Electrophoresis</i> , 2009, 30, 417-423.	1.3	48
50	Forensic analysis of dog ( <i>Canis lupus familiaris</i> ) mitochondrial DNA sequences: An inter-laboratory study of the GEP-ISFG working group. <i>Forensic Science International: Genetics</i> , 2009, 4, 49-54.	1.6	22
51	A new autosomal STR multiplex for canine genotyping. <i>Forensic Science International: Genetics Supplement Series</i> , 2008, 1, 628-629.	0.1	3
52	GEP-ISFG proficiency testing programs: 2007 update. <i>Forensic Science International: Genetics Supplement Series</i> , 2008, 1, 674-676.	0.1	3
53	Optimization of methods to assess mitochondrial DNA in archival paraffin-embedded tissues from mammary canine tumors. <i>Jornal Brasileiro De Patologia E Medicina Laboratorial</i> , 2008, 44, .	0.3	1
54	Epistatic interactions: how strong in disease and evolution?. <i>Trends in Genetics</i> , 2006, 22, 581-585.	2.9	45

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55	The mtDNA catalogue of all Portuguese autochthonous goat ( <i>Capra hircus</i> ) breeds: high diversity of female lineages at the western fringe of European distribution. <i>Molecular Ecology</i> , 2005, 14, 2313-2318.	2.0	54
56	MtDNA diversity among four Portuguese autochthonous dog breeds: a fine-scale characterisation. <i>BMC Genetics</i> , 2005, 6, 37.	2.7	24
57	Standardisation of nomenclature for dog mtDNA D-loop: a prerequisite for launching a <i>Canis familiaris</i> database. <i>Forensic Science International</i> , 2004, 141, 99-108.	1.3	57