

# Francisco Perfectti

## List of Publications by Year in descending order

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93  
papers

3,098  
citations

136740

32  
h-index

189595

50  
g-index

100  
all docs

100  
docs citations

100  
times ranked

3273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecological interactions are evolutionarily conserved across the entire tree of life. <i>Nature</i> , 2010, 465, 918-921.	13.7	188
2	Natural Selection on <i>Erysimum mediohispanicum</i> Flower Shape: Insights into the Evolution of Zygomorphy. <i>American Naturalist</i> , 2006, 168, 531-545.	1.0	153
3	A geographic selection mosaic in a generalized plant-pollinator-herbivore system. <i>Ecological Monographs</i> , 2009, 79, 245-263.	2.4	136
4	Changes in pollinator fauna cause spatial variation in pollen limitation. <i>Journal of Ecology</i> , 2010, 98, 1243-1252.	1.9	130
5	Spatial variation in selection on corolla shape in a generalist plant is promoted by the preference patterns of its local pollinators. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 2241-2249.	1.2	123
6	Pollinator diversity affects plant reproduction and recruitment: the tradeoffs of generalization. <i>Oecologia</i> , 2007, 153, 597-605.	0.9	106
7	Phylogenetic relationships of corallinaceae (Corallinales, Rhodophyta): taxonomic implications for reef-building corallines. <i>Journal of Phycology</i> , 2016, 52, 412-431.	1.0	86
8	Integrating phylogeny, molecular clocks, and the fossil record in the evolution of coralline algae (Corallinales and Sporolithales, Rhodophyta). <i>Paleobiology</i> , 2010, 36, 519-533.	1.3	74
9	The silent extinction: climate change and the potential hybridization-mediated extinction of endemic high-mountain plants. <i>Biodiversity and Conservation</i> , 2015, 24, 1843-1857.	1.2	73
10	Local adaptation and maladaptation to pollinators in a generalist geographic mosaic. <i>Ecology Letters</i> , 2009, 12, 672-682.	3.0	66
11	The Functional Consequences of Mutualistic Network Architecture. <i>PLoS ONE</i> , 2011, 6, e16143.	1.1	66
12	B chromosome ancestry revealed by histone genes in the migratory locust. <i>Chromosoma</i> , 2010, 119, 217-225.	1.0	65
13	Fitness consequences of centrality in mutualistic individual-based networks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1754-1760.	1.2	62
14	Association Between Floral Traits and Rewards in <i>Erysimum mediohispanicum</i> (Brassicaceae). <i>Annals of Botany</i> , 2008, 101, 1413-1420.	1.4	60
15	THE INTERSPECIFIC ORIGIN OF B CHROMOSOMES: EXPERIMENTAL EVIDENCE. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 1069.	1.1	57
16	The genetic basis of interspecies host preference differences in the model parasitoid <i>Nasonia</i> . <i>Heredity</i> , 2010, 104, 270-277.	1.2	57
17	Geometric morphometrics of corolla shape: dissecting components of symmetric and asymmetric variation in <i>Erysimum mediohispanicum</i> (Brassicaceae). <i>New Phytologist</i> , 2012, 196, 945-954.	3.5	56
18	The temporal dimension in individual-based plant pollination networks. <i>Oikos</i> , 2016, 125, 468-479.	1.2	56

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19	Evolution of Complex Traits: The Case of <i>Erysimum</i> Corolla Shape. International Journal of Plant Sciences, 2010, 171, 987-998.	0.6	54
20	The role of pollinators in the evolution of corolla shape variation, disparity and integration in a highly diversified plant family with a conserved floral bauplan. Annals of Botany, 2016, 117, 889-904.	1.4	54
21	The role of pollinators in floral diversification in a clade of generalist flowers. Evolution; International Journal of Organic Evolution, 2015, 69, 863-878.	1.1	53
22	Independent evolution of ancestral and novel defenses in a genus of toxic plants ( <i>Erysimum</i> ,) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 622	2.8	52
23	HERITABILITY AND GENETIC CORRELATION OF COROLLA SHAPE AND SIZE IN <i>ERYSIMUM MEDIOHISPANICUM</i> . Evolution; International Journal of Organic Evolution, 2009, 63, 1820-1831.	1.1	51
24	Global gradients in intraspecific variation in vegetative and floral traits are partially associated with climate and species richness. Global Ecology and Biogeography, 2020, 29, 992-1007.	2.7	51
25	Evolution of pollination niches and floral divergence in the generalist plant <i>Erysimum mediohispanicum</i> . Annals of Botany, 2014, 113, 237-249.	1.4	50
26	The role of pollinator diversity in the evolution of corolla-shape integration in a pollination-generalist plant clade. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130257.	1.8	48
27	Niche differences may explain the geographic distribution of cytotypes in <i>Erysimum mediohispanicum</i> . Plant Biology, 2018, 20, 139-147.	1.8	43
28	Frequency increase and mitotic stabilization of a B chromosome in the fish <i>Prochilodus lineatus</i> . Chromosome Research, 2000, 8, 627-634.	1.0	41
29	Multiregional origin of B chromosomes in the grasshopper <i>Eyprepocnemis plorans</i> . Chromosoma, 2003, 112, 207-211.	1.0	38
30	Evolution of pollination niches in a generalist plant clade. New Phytologist, 2015, 205, 440-453.	3.5	38
31	Timing of the evolutionary history of Corallinaceae (Corallinales, Rhodophyta). Journal of Phycology, 2017, 53, 567-576.	1.0	37
32	Using complementary techniques to distinguish cryptic species: A new <i>Erysimum</i> (Brassicaceae) species from North Africa. American Journal of Botany, 2011, 98, 1049-1060.	0.8	36
33	The functional consequences of diversity in plant-pollinator interactions. Oikos, 2009, 118, 1430-1440.	1.2	35
34	The B chromosome polymorphism of the grasshopper <i>Eyprepocnemis plorans</i> in North Africa. I. B variants and frequency. Heredity, 1999, 83, 428-434.	1.2	34
35	A Single, Recent Origin of the Accessory B Chromosome of the Grasshopper <i>Eyprepocnemis plorans</i> . Genetics, 2011, 187, 853-863.	1.2	31
36	Population variation in the A chromosome distribution of satellite DNA and ribosomal DNA in the grasshopper <i>Eyprepocnemis plorans</i> . Chromosome Research, 2003, 11, 375-381.	1.0	30

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37	Within-individual phenotypic plasticity in flowers fosters pollination niche shift. <i>Nature Communications</i> , 2020, 11, 4019.	5.8	29
38	Host recombination is dependent on the degree of parasitism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2173-2177.	1.2	28
39	Comparative FISH analysis in five species of Eyprepocnemidine grasshoppers. <i>Heredity</i> , 2003, 90, 377-381.	1.2	28
40	Nucleolus size variation during meiosis and NOR activity of a B chromosome in the grasshopper <i>Eyprepocnemis plorans</i> . <i>Chromosome Research</i> , 2007, 15, 755-765.	1.0	26
41	Pollination effectiveness in a generalist plant: adding the genetic component. <i>New Phytologist</i> , 2019, 223, 354-365.	3.5	26
42	Integration of a B chromosome into the A genome of a wasp. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1127-1131.	1.2	25
43	ANALYSIS OF GENOTYPIC DIFFERENCES IN DEVELOPMENTAL STABILITY IN <i>ANNONA CHERIMOLA</i> . Evolution; <i>International Journal of Organic Evolution</i> , 1999, 53, 1396-1405.	1.1	23
44	Disparate molecular evolution of two types of repetitive DNAs in the genome of the grasshopper <i>Eyprepocnemis plorans</i> . <i>Heredity</i> , 2014, 112, 531-542.	1.2	22
45	Segregation distortion of isozyme loci in cherimoya ( <i>Annona cherimola</i> Mill). <i>Theoretical and Applied Genetics</i> , 1996, 93, 440-446.	1.8	21
46	The B-chromosome polymorphism of the grasshopper <i>Eyprepocnemis plorans</i> in North Africa: II. Parasitic and neutralized B1 chromosomes. <i>Heredity</i> , 2002, 88, 14-18.	1.2	20
47	Rapid suppression of drive for a parasitic B chromosome. <i>Cytogenetic and Genome Research</i> , 2004, 106, 338-343.	0.6	20
48	Invasion of <i>Brassica nigra</i> in North America: distributions and origins of chloroplast DNA haplotypes suggest multiple introductions. <i>Biological Invasions</i> , 2015, 17, 2447-2459.	1.2	20
49	Parallel effects of a B chromosome and a mite that decrease female fitness in the grasshopper <i>Eyprepocnemis plorans</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 1903-1909.	1.2	19
50	The odd-even effect in mitotically unstable B chromosomes in grasshoppers. <i>Cytogenetic and Genome Research</i> , 2004, 106, 325-331.	0.6	19
51	B chromosomes showing active ribosomal RNA genes contribute insignificant amounts of rRNA in the grasshopper <i>Eyprepocnemis plorans</i> . <i>Molecular Genetics and Genomics</i> , 2014, 289, 1209-1216.	1.0	19
52	Comparative assessment shows the reliability of chloroplast genome assembly using RNA-seq. <i>Scientific Reports</i> , 2018, 8, 17404.	1.6	18
53	Integration of a B chromosome into the A genome of a wasp, revisited. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1475-1478.	1.2	17
54	The B chromosomes of the grasshopper <i>Eyprepocnemis plorans</i> and the intragenomic conflict. <i>Genetica</i> , 2003, 117, 77-84.	0.5	16

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55	Microdissection and Chromosome Painting of X and B Chromosomes in the Grasshopper <i>Eyprepocnemis plorans</i> . Cytogenetic and Genome Research, 2009, 125, 286-291.	0.6	16
56	Possible Introgression of B Chromosomes between Bee Species (Genus) <i>Tetralonia</i> (Hymenoptera: Megachilidae). Journal of Insect Science and Technology, 2010, 8, 1-6.	0.6	16
57	Population Genetic Structure of the Grasshopper <i>Eyprepocnemis plorans</i> in the South and East of the Iberian Peninsula. PLoS ONE, 2013, 8, e59041.	1.1	16
58	Quantitative analysis of NOR expression in a B chromosome of the grasshopper <i>Eyprepocnemis plorans</i> . Chromosoma, 2009, 118, 291-301.	1.0	15
59	Population differences in the expression of nucleolus organizer regions in the grasshopper <i>Eyprepocnemis plorans</i> . Protoplasma, 2001, 217, 185-190.	1.0	14
60	Analysis of Genotypic Differences in Developmental Stability in <i>Annona cherimola</i> . Evolution; International Journal of Organic Evolution, 1999, 53, 1396.	1.1	13
61	Supernumerary Heterochromatin does not Affect Several Morphological and Physiological Traits in the Grasshopper <i>Eyprepocnemis Plorans</i> . Hereditas, 2004, 126, 187-189.	0.5	12
62	Genetic load caused by variation in the amount of rDNA in a wasp. Chromosome Research, 2002, 10, 607-613.	1.0	11
63	Inter-annual maintenance of the fine-scale genetic structure in a biennial plant. Scientific Reports, 2016, 6, 37712.	1.6	10
64	Asymmetric Reproductive Barriers and Gene Flow Promote the Rise of a Stable Hybrid Zone in the Mediterranean High Mountain. Frontiers in Plant Science, 2021, 12, 687094.	1.7	10
65	Molecular phylogeny and evolutionary history of <i>Moricandia</i> DC (Brassicaceae). PeerJ, 2017, 5, e3964.	0.9	10
66	Hybridization and introgression are prevalent in Southern European <i>Erysimum</i> (Brassicaceae) species. Annals of Botany, 2023, 131, 171-184.	1.4	10
67	No harmful effects of a selfish B chromosome on several morphological and physiological traits in <i>Locusta migratoria</i> (Orthoptera, Acrididae). Heredity, 1998, 80, 753-759.	1.2	9
68	Genetic Diversity in a Worldwide Collection of Cherimoya Cultivars. Genetic Resources and Crop Evolution, 2005, 52, 959-966.	0.8	9
69	Characterization of microsatellite loci in <i>Erysimum mediohispanicum</i> (Brassicaceae) and cross-amplification in related species. American Journal of Botany, 2011, 98, e287-9.	0.8	9
70	Drivers of genetic differentiation in a generalist insect-pollinated herb across spatial scales. Molecular Ecology, 2017, 26, 1576-1585.	2.0	9
71	Phylogenetic relationships of <i>Erysimum</i> (Brassicaceae) from the Baetic Mountains (SE) <i>Tetralonia</i> (Hymenoptera: Megachilidae). Journal of Insect Science and Technology, 2010, 8, 1-6.	0.2	9
72	Fitness effect analysis of a heterochromatic supernumerary segment in the grasshopper <i>Eyprepocnemis plorans</i> . Chromosome Research, 2000, 8, 425-433.	1.0	8

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73	Abnormal Spermatid Formation in the Presence of the Parasitic B <sub>24</sub> Chromosome in the Grasshopper <i>Eyprepocnemis plorans</i> . Sexual Development, 2009, 3, 284-289.	1.1	8
74	Geographical Barriers Impeded the Spread of a Parasitic Chromosome. PLoS ONE, 2015, 10, e0131277.	1.1	8
75	Spatio-temporal dynamics of a neutralized B chromosome in the grasshopper <i>Eyprepocnemis plorans</i> . Cytogenetic and Genome Research, 2004, 106, 376-385.	0.6	7
76	Geographic variation for isozymes in cherimoya ( <i>Annona cherimola</i> Mill.). Genetic Resources and Crop Evolution, 2005, 51, 837-843.	0.8	7
77	Effects of B Chromosomes on Egg Fertility and Clutch Size in the Grasshopper <i>Eyprepocnemis plorans</i> . Journal of Orthoptera Research, 2010, 19, 197-203.	0.4	7
78	Anther Rubbing, a New Mechanism That Actively Promotes Selfing in Plants. American Naturalist, 2019, 193, 140-147.	1.0	7
79	Phenotypic plasticity guides <i>Moricandia arvensis</i> divergence and convergence across the Brassicaceae floral morphospace. New Phytologist, 2022, 233, 1479-1493.	3.5	7
80	Nucleolus size varies with sex, ploidy and gene dosage in insects. Physiological Entomology, 2012, 37, 145-152.	0.6	6
81	Association between inbreeding depression and floral traits in a generalist-pollinated plant. Journal of Evolutionary Biology, 2014, 27, 2495-2506.	0.8	6
82	Spread of a New Parasitic B Chromosome Variant Is Facilitated by High Gene Flow. PLoS ONE, 2013, 8, e83712.	1.1	5
83	Promoting Individual and Collective Creativity in Science Students. Trends in Ecology and Evolution, 2020, 35, 745-748.	4.2	5
84	Genomic Resources for <i>Erysimum</i> spp. (Brassicaceae): Transcriptome and Chloroplast Genomes. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	5
85	Genetic Linkage of Isozyme Loci in <i>Annona Cherimola</i> . Hereditas, 2004, 128, 87-90.	0.5	4
86	Level of Heat Shock Proteins Decreases in Individuals Carrying B-Chromosomes in the Grasshopper <i>Eyprepocnemis plorans</i> . Cytogenetic and Genome Research, 2011, 132, 94-99.	0.6	4
87	Long-term monitoring of B-chromosome invasion and neutralization in a population of <i>Prospero autumnale</i> (Asparagaceae). Evolution; International Journal of Organic Evolution, 2018, 72, 1216-1224.	1.1	4
88	THE INTERSPECIFIC ORIGIN OF B CHROMOSOMES: EXPERIMENTAL EVIDENCE. Evolution; International Journal of Organic Evolution, 2007, 55, 1069-1073.	1.1	3
89	A new combination in <i>Erysimum</i> (Brassicaceae) for Baetic mountains (South-eastern Spain). Phytotaxa, 2015, 201, 103.	0.1	3
90	Intra-seasonal variation of <i>Erysimum mediohispanicum</i> flower visitors in Sierra Nevada (Spain). Ecosistemas, 2014, 23, 83-92.	0.2	3

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91	Non-random expression of ribosomal DNA units in a grasshopper showing high intragenomic variation for the ITS2 region. <i>Insect Molecular Biology</i> , 2015, 24, 319-330.	1.0	2
92	Interpopulation spread of a parasitic B chromosome is unlikely through males in the grasshopper <i>Eyprepocnemis plorans</i> . <i>Heredity</i> , 2020, 124, 197-206.	1.2	1
93	Intragenomic distribution of RTE retroelements suggests intrachromosomal movement. <i>Chromosome Research</i> , 2015, 23, 211-223.	1.0	0