

Lorenzo Zane

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

5,725
citations

101543

36
h-index

82547

72
g-index

118
all docs

118
docs citations

118
times ranked

6522
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for microsatellite isolation: a review. <i>Molecular Ecology</i> , 2002, 11, 1-16.	3.9	1,593
2	Ancient climate change, antifreeze, and the evolutionary diversification of Antarctic fishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3434-3439.	7.1	291
3	Directional postcopulatory sexual selection revealed by artificial insemination. <i>Nature</i> , 2003, 421, 360-363.	27.8	249
4	Antarctic climate change and the environment. <i>Antarctic Science</i> , 2009, 21, 541-563.	0.9	195
5	Mitochondrial Phylogeny of Notothenioids: A Molecular Approach to Antarctic Fish Evolution and Biogeography. <i>Systematic Biology</i> , 2000, 49, 114-129.	5.6	149
6	Mediterranean Bioconstructions Along the Italian Coast. <i>Advances in Marine Biology</i> , 2018, 79, 61-136.	1.4	142
7	Genetic differentiation in the winter pine processionary moth (<i>Thaumetopoea pityocampa</i> - wilkinsoni) Tj ETQq1 1 0.784314 r _{gBT} / Over 163	3.9	163
8	Genetic differentiation in a pelagic crustacean (<i>Meganycitiphanes norvegica</i> : Euphausiacea) from the North East Atlantic and the Mediterranean Sea. <i>Marine Biology</i> , 2000, 136, 191-199.	1.5	97
9	Spatio-temporal population structuring and genetic diversity retention in depleted Atlantic Bluefin tuna of the Mediterranean Sea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2102-2107.	7.1	94
10	Microsatellite assessment of multiple paternity in natural populations of a live-bearing fish, <i>Gambusia holbrooki</i> . <i>Journal of Evolutionary Biology</i> , 1999, 12, 61-69.	1.7	93
11	Molecular evidence for genetic subdivision of Antarctic krill (<i>Euphausia superba</i> Dana) populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 2387-2391.	2.6	83
12	Quaternary history and contemporary patterns in a currently expanding species. <i>BMC Evolutionary Biology</i> , 2009, 9, 220.	3.2	83
13	Sequencing, de novo annotation and analysis of the first <i>Anguilla anguilla</i> transcriptome: EelBase opens new perspectives for the study of the critically endangered european eel. <i>BMC Genomics</i> , 2010, 11, 635.	2.8	83
14	Population genomics of an endemic Mediterranean fish: differentiation by fine scale dispersal and adaptation. <i>Scientific Reports</i> , 2017, 7, 43417.	3.3	83
15	Understanding the effectiveness of marine protected areas using genetic connectivity patterns and Lagrangian simulations. <i>Diversity and Distributions</i> , 2013, 19, 1531-1542.	4.1	74
16	A resource of genome-wide single-nucleotide polymorphisms generated by RAD tag sequencing in the critically endangered European eel. <i>Molecular Ecology Resources</i> , 2013, 13, 706-714.	4.8	72
17	Surviving in a toxic world: transcriptomics and gene expression profiling in response to environmental pollution in the critically endangered European eel. <i>BMC Genomics</i> , 2012, 13, 507.	2.8	68
18	Identification of interspecific hybrids by amplified fragment length polymorphism: the case of sturgeon. <i>Molecular Ecology</i> , 2001, 10, 2355-2359.	3.9	66

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19	Nonconcordant evolutionary history of maternal and paternal lineages in Adriatic sturgeon. <i>Molecular Ecology</i> , 2003, 12, 3253-3264.	3.9	63
20	Extensive screening of sturgeon genomes by random screening techniques revealed no sex-specific marker. <i>Aquaculture</i> , 2006, 258, 685-688.	3.5	61
21	Demographic history and population structure of the Antarctic silverfish <i>Pleuragramma antarcticum</i> . <i>Molecular Ecology</i> , 2006, 15, 4499-4511.	3.9	61
22	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2009–31 January 2010. <i>Molecular Ecology Resources</i> , 2010, 10, 576-579.	4.8	56
23	Genome Evolution in the Cold: Antarctic Icefish Muscle Transcriptome Reveals Selective Duplications Increasing Mitochondrial Function. <i>Genome Biology and Evolution</i> , 2013, 5, 45-60.	2.5	56
24	Krill: a possible model for investigating the effects of ocean currents on the genetic structure of a pelagic invertebrate. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 16-23.	1.4	55
25	Assessing Dispersal Patterns of Fish Propagules from an Effective Mediterranean Marine Protected Area. <i>PLoS ONE</i> , 2012, 7, e52108.	2.5	54
26	Molecular zoogeography of Antarctic euphausiids and notothenioids: from species phylogenies to intraspecific patterns of genetic variation. <i>Antarctic Science</i> , 2000, 12, 259-268.	0.9	53
27	Gone with the currents: lack of genetic differentiation at the circum-continental scale in the Antarctic krill <i>Euphausia superba</i> . <i>BMC Genetics</i> , 2011, 12, 32.	2.7	51
28	Isolation and characterization of microsatellites in the Adriatic sturgeon (<i>Acipenser naccarii</i>). <i>Molecular Ecology Notes</i> , 2002, 2, 586-588.	1.7	49
29	Relationship between heavy metal accumulation and genetic variability decrease in the intertidal crab <i>Pachygrapsus marmoratus</i> (Decapoda; Grapsidae). <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 679-686.	2.1	48
30	Genetic differentiation and local temporal stability of population structure in the euphausiid <i>Meganyctiphanes norvegica</i> . <i>Marine Ecology - Progress Series</i> , 2005, 289, 225-235.	1.9	48
31	Phylogeography of the pine processionary moth <i>Thaumetopoea wilkinsoni</i> in the Near East. <i>Molecular Ecology</i> , 2007, 16, 2273-2283.	3.9	47
32	Matching oceanography and genetics at the basin scale. Seascape connectivity of the Mediterranean shore crab in the Adriatic Sea. <i>Molecular Ecology</i> , 2014, 23, 5496-5507.	3.9	47
33	Reconciling Deep Calibration and Demographic History: Bayesian Inference of Post Glacial Colonization Patterns in <i>Carcinus aestuarii</i> (Nardo, 1847) and <i>C. maenas</i> (Linnaeus, 1758). <i>PLoS ONE</i> , 2011, 6, e28567.	2.5	44
34	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2010-30 November 2010. <i>Molecular Ecology Resources</i> , 2011, 11, 418-421.	4.8	43
35	Population genomics meet Lagrangian simulations: Oceanographic patterns and long larval duration ensure connectivity among <i>Paracentrotus lividus</i> populations in the Adriatic and Ionian seas. <i>Ecology and Evolution</i> , 2017, 7, 2463-2479.	1.9	43
36	How will fish that evolved at constant sub-zero temperatures cope with global warming? Notothenioids as a case study. <i>BioEssays</i> , 2011, 33, 260-268.	2.5	41

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37	The Effect of Recurrent Floods on Genetic Composition of Marble Trout Populations. PLoS ONE, 2011, 6, e23822.	2.5	37
38	First Evidence of Inbreeding, Relatedness and Chaotic Genetic Patchiness in the Holoplanktonic Jellyfish <i>Pelagia noctiluca</i> (Scyphozoa, Cnidaria). PLoS ONE, 2014, 9, e99647.	2.5	36
39	Unravelling population genetic structure with mitochondrial DNA in a notional panmictic coastal crab species: sample size makes the difference. BMC Evolutionary Biology, 2016, 16, 150.	3.2	35
40	Potential and realized connectivity of the seagrass <i>Posidonia oceanica</i> and their implication for conservation. Diversity and Distributions, 2017, 23, 1423-1434.	4.1	33
41	Population structure, demographic history, and selective processes: Contrasting evidences from mitochondrial and nuclear markers in the European spiny lobster <i>Palinurus elephas</i> (Fabricius, 1787). Molecular Phylogenetics and Evolution, 2010, 56, 1040-1050.	2.7	32
42	Single population and common natal origin for Adriatic Scomber scombrus stocks: evidence from an integrated approach. ICES Journal of Marine Science, 2013, 70, 387-398.	2.5	32
43	Phylogeography of the <i>Chionodraco</i> genus (Perciformes, Channichthyidae) in the Southern Ocean. Molecular Phylogenetics and Evolution, 2003, 28, 420-429.	2.7	30
44	No apparent genetic bottleneck in the demographically declining European eel using molecular genetics and forward-time simulations. Conservation Genetics, 2011, 12, 813-825.	1.5	30
45	Mitochondrial Function in Antarctic Nototheniids with ND6 Translocation. PLoS ONE, 2012, 7, e31860.	2.5	30
46	Evidence for past and present hybridization in three Antarctic icefish species provides new perspectives on an evolutionary radiation. Molecular Ecology, 2013, 22, 5148-5161.	3.9	29
47	Contemporary genetic structure and postglacial demographic history of the black scorpionfish, <i>Scorpaena porcus</i> , in the Mediterranean and the Black Seas. Molecular Ecology, 2016, 25, 2195-2209.	3.9	29
48	Population genetic structure and gene flow patterns between populations of the Antarctic icefish <i>Chionodraco rastrospinosus</i> . Journal of Biogeography, 2012, 39, 1361-1372.	3.0	27
49	Identification and characterization of microsatellite markers in Hermann's tortoise (<i>Testudo</i>) Tj ETQq1 1 0.784314 197 / Overlock 10 26		
50	Genetic composition of Atlantic and Mediterranean recruits of European eel <i>Anguilla anguilla</i> based on EST-linked microsatellite loci. Journal of Fish Biology, 2009, 74, 2034-2046.	1.6	26
51	Detecting genome-wide gene transcription profiles associated with high pollution burden in the critically endangered European eel. Aquatic Toxicology, 2013, 132-133, 157-164.	4.0	26
52	Multiple paternity and hybridization in two smooth-hound sharks. Scientific Reports, 2015, 5, 12919.	3.3	26
53	Draft genome assembly and transcriptome data of the icefish <i>Chionodraco myersi</i> reveal the key role of mitochondria for a life without hemoglobin at subzero temperatures. Communications Biology, 2019, 2, 443.	4.4	26
54	The use of AFLP in sturgeon identification. Journal of Applied Ichthyology, 2002, 18, 286-289.	0.7	25

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55	Spatial and temporal boundaries to gene flow between <i>Chaenocephalus aceratus</i> populations at South Orkney and South Shetlands. <i>Marine Ecology - Progress Series</i> , 2009, 376, 269-281.	1.9	25
56	Genetic patchiness in European eel adults evidenced by molecular genetics and population dynamics modelling. <i>Molecular Phylogenetics and Evolution</i> , 2011, 58, 198-206.	2.7	23
57	Sequencing and Characterization of Striped Venus Transcriptome Expand Resources for Clam Fishery Genetics. <i>PLoS ONE</i> , 2012, 7, e44185.	2.5	23
58	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2011 – 31 January 2012. <i>Molecular Ecology Resources</i> , 2012, 12, 570-572.	4.8	23
59	Assemblages of micronektonic fishes and invertebrates in a gradient of regional warming along the Western Antarctic Peninsula. <i>Journal of Marine Systems</i> , 2015, 152, 18-41.	2.1	23
60	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 April 2013 – 31 May 2013. <i>Molecular Ecology Resources</i> , 2013, 13, 966-968.	4.8	19
61	Fast genetic identification of the Beluga sturgeon and its sought-after caviar to stem illegal trade. <i>Food Control</i> , 2017, 75, 145-152.	5.5	19
62	Resolving the ambiguities in the identification of two smooth-hound sharks (<i>Mustelus mustelus</i> and <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	1.9	19
63	Genetic heterogeneity in populations of the Mediterranean shore crab, <i>Carcinus aestuarii</i> (Decapoda.) <i>Tj ETQq1 1 0,784314 rgBT /Over</i>	2.1	18
64	Phylogeography and demographic history of two widespread Indo-Pacific mudskippers (Gobiidae:). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	2.7	18
65	New Molecular Tools for the Identification of 2 Endangered Smooth-Hound Sharks, <i>Mustelus mustelus</i> and <i>Mustelus punctulatus</i> . <i>Journal of Heredity</i> , 2015, 106, 123-130.	2.4	18
66	Along-shelf connectivity and circumpolar gene flow in Antarctic silverfish (<i>Pleuragramma</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (</i>	3.3	18
67	A Genome-Wide Approach to the Phylogeography of the Mussel <i>Mytilus galloprovincialis</i> in the Adriatic and the Black Seas. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	18
68	Do sexual pheromone traps provide biased information of the local gene pool in the pine processionary moth?. <i>Agricultural and Forest Entomology</i> , 2005, 7, 127-132.	1.3	17
69	Inferring the demographic history of the Adriatic <i>Flexopecten</i> complex. <i>Molecular Phylogenetics and Evolution</i> , 2010, 57, 942-947.	2.7	17
70	Microsatellite analysis reveals genetic differentiation between year-classes in the icefish <i>Chaenocephalus aceratus</i> at South Shetlands and Elephant Island. <i>Polar Biology</i> , 2007, 30, 1605-1613.	1.2	16
71	Genetic differentiation in the ice-dependent fish <i>Pleuragramma antarctica</i> along the Antarctic Peninsula. <i>Journal of Biogeography</i> , 2015, 42, 1103-1113.	3.0	16
72	A population genomics insight by 2bRAD reveals populations' uniqueness along the Italian coastline in <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae). <i>Diversity and Distributions</i> , 2019, 25, 1101-1117.	4.1	16

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73	Early life history connectivity of Antarctic silverfish (<i>Pleuragramma antarctica</i>) in the Ross Sea. <i>Fisheries Oceanography</i> , 2018, 27, 274-287.	1.7	15
74	Population genomics and phylogeography of a benthic coastal shark (<i>Scyliorhinus canicula</i>) using 2b-RAD single nucleotide polymorphisms. <i>Biological Journal of the Linnean Society</i> , 2019, 126, 289-303.	1.6	15
75	Isolation and characterization of microsatellite loci in the icefish <i>Chionodraco rastrospinosus</i> (Perciformes, Notothenioidea, Channichthyidae). <i>Molecular Ecology Notes</i> , 2006, 6, 207-209.	1.7	12
76	Changes in the gene expression profiles of the brains of male European eels (<i>Anguilla anguilla</i>) during sexual maturation. <i>BMC Genomics</i> , 2014, 15, 799.	2.8	12
77	Isolation and characterization of microsatellites in <i>Zosterisessor ophiocephalus</i> (Perciformes, Tj ETQq1 1 0.784314 1.7 BT / Overlock 10 T	1.7	11
78	Genetic variability of the striped venus <i>Chamelea gallina</i> in the northern Adriatic Sea. <i>Fisheries Research</i> , 2018, 201, 68-78.	1.7	11
79	Population Structure and Life History Connectivity of Antarctic Silverfish (<i>Pleuragramma antarctica</i>) in the Southern Ocean Ecosystem. <i>Advances in Polar Ecology</i> , 2017, , 193-234.	1.3	11
80	Adaptive peaks in a flat-fish: Adaptive divergence overcoming gene flow. <i>Heredity</i> , 2007, 99, 565-566.	2.6	10
81	Isolation and characterization of eight microsatellite loci in the icefish <i>Chaenocephalus aceratus</i> (Perciformes, Notothenioidei, Channichthyidae). <i>Molecular Ecology Notes</i> , 2007, 7, 791-793.	1.7	10
82	Isolation and characterization of expressed sequence tag-linked microsatellite loci for the European eel (<i>Anguilla anguilla</i>). <i>Molecular Ecology Resources</i> , 2009, 9, 233-235.	4.8	10
83	Species distribution, hybridization and connectivity in the genus <i>Chionodraco</i> : Unveiling unknown icefish diversity in antarctica. <i>Diversity and Distributions</i> , 2021, 27, 766-783.	4.1	10
84	Isolation and characterization of microsatellites in <i>Pachygrapsus marmoratus</i> (Grapsidae; Decapoda; Tj ETQq0 0 0 1.9 BT / Overlock 10 T	1.9	9
85	Putative selected markers in the <i>Chionodraco</i> genus detected by interspecific outlier tests. <i>Polar Biology</i> , 2013, 36, 1509-1518.	1.2	9
86	Low variation at allozyme loci and differences between age classes at microsatellites in grass goby (<i>Zosterisessor ophiocephalus</i>) populations. <i>Hydrobiologia</i> , 2007, 577, 151-159.	2.0	8
87	Transcriptomic profiling of male European eel (<i>Anguilla anguilla</i>) livers at sexual maturity. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2015, 16, 28-35.	1.0	8
88	Temporal changes in allele frequencies in a small marble trout (<i>Salmo marmoratus</i>) population threatened by extreme flood events. <i>Journal of Fish Biology</i> , 2016, 88, 1175-1190.	1.6	8
89	Body Size Correlates with Fertilization Success but not Gonad Size in Grass Goby Territorial Males. <i>PLoS ONE</i> , 2012, 7, e46711.	2.5	8
90	Spatial structuring and life history connectivity of Antarctic silverfish along the southern continental shelf of the Weddell Sea. <i>Marine Ecology - Progress Series</i> , 2019, 624, 195-212.	1.9	8

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91	Isolation of microsatellite loci and cross-species amplifications in three gobiid fish of the genus <i>Pomatoschistus</i> . <i>Molecular Ecology Notes</i> , 2006, 6, 724-727.	1.7	7
92	Genetic variability is unrelated to growth and parasite infestation in natural populations of the European eel (<i>Anguilla anguilla</i>). <i>Molecular Ecology</i> , 2009, 18, 4604-4616.	3.9	7
93	Phylogenetic relationships and demographic histories of the Atherinidae in the Eastern Atlantic and Mediterranean Sea re-examined by Bayesian inference. <i>Molecular Phylogenetics and Evolution</i> , 2012, 63, 857-865.	2.7	7
94	Low impact of different SNP panels from two building-loci pipelines on RAD-Seq population genomic metrics: case study on five diverse aquatic species. <i>BMC Genomics</i> , 2021, 22, 150.	2.8	7
95	PERMANENT GENETIC RESOURCES: Isolation and characterization of microsatellite loci in the Mediterranean shore crab <i>Carcinus aestuarii</i> (Decapoda, Portunidae). <i>Molecular Ecology Resources</i> , 2008, 8, 370-372.	4.8	6
96	Strong genetic isolation despite wide distribution in a commercially exploited coastal shark. <i>Hydrobiologia</i> , 2019, 838, 121-137.	2.0	6
97	Connectivity Among Populations of the Top Shell <i>Gibbula divaricata</i> in the Adriatic Sea. <i>Frontiers in Genetics</i> , 2019, 10, 177.	2.3	6
98	Novel microsatellite loci isolated from the northern krill, <i>Meganyctiphanes norvegica</i> (Crustacea). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i>	3.9	5
99	Polymorphic microsatellite loci in the widespread amphidromous goby <i>Sicyopterus lagocephalus</i> and cross-genus amplification among <i>Sicydiinae</i> . <i>Molecular Ecology Resources</i> , 2009, 9, 607-609.	4.8	5
100	Contrasting life-history traits of two sympatric smoothhound species: implication for vulnerability. <i>Journal of Fish Biology</i> , 2020, 96, 853-857.	1.6	5
101	Defining criteria for the reintroduction of locally extinct populations based on contemporary and ancient genetic diversity: The case of the Adriatic Beluga sturgeon (<i>Huso huso</i>). <i>Diversity and Distributions</i> , 2021, 27, 816-827.	4.1	5
102	Genetics of Northern Krill (<i>Meganyctiphanes norvegica</i> Sars). <i>Advances in Marine Biology</i> , 2010, 57, 41-57.	1.4	4
103	Genomic Resources Notes accepted 1 April 2015 – 31 May 2015. <i>Molecular Ecology Resources</i> , 2015, 15, 1256-1257.	4.8	4
104	Historical biogeography of smoothhound sharks (genus <i>Mustelus</i>) of Southern Africa reveals multiple dispersal events from the Northern Hemisphere. <i>Systematics and Biodiversity</i> , 2020, 18, 633-645.	1.2	4
105	Development and characterization of 11 microsatellite markers in the rock sparrow, <i>Petronia petronia</i> . <i>Molecular Ecology Notes</i> , 2006, 6, 1070-1072.	1.7	3
106	Characterization of novel microsatellite markers in the Antarctic silverfish <i>Pleuragramma antarcticum</i> and cross species amplification in other Notothenioidae. <i>Conservation Genetics Resources</i> , 2011, 3, 259-262.	0.8	3
107	Spatial asymmetry of the paternity success in nests of a fish with alternative reproductive tactics. <i>Scientific Reports</i> , 2021, 11, 3091.	3.3	3
108	Isolation and characterization of microsatellite loci from yellowtail <i>Seriola dumerilii</i> (Perciformes). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6</i>	1.7	2

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109	Characterization of polymorphic microsatellite loci in the marine isopod <i>Sphaeroma terebrans</i> (Crustacea, Isopoda). <i>Molecular Ecology Resources</i> , 2009, 9, 1229-1231.	4.8	2
110	Chaotic genetic structure and past demographic expansion of the invasive gastropod <i>Tritia neritea</i> in its native range, the Mediterranean Sea. <i>Scientific Reports</i> , 2020, 10, 21624.	3.3	2
111	Isolation of seven polymorphic microsatellites in <i>Ophioblennius atlanticus atlanticus</i> (Perciformes.) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	1.7	0
112	Biodiversity at Ecogenetic Level in Three Species of Beach Fleas. , 2001, , 391-398.		0