

# Lorenzo Zane

## List of Publications by Year in descending order

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112  
papers

5,725  
citations

101496

36  
h-index

82499

72  
g-index

118  
all docs

118  
docs citations

118  
times ranked

6522  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> ). Diversity and Distributions, 2021, 27, 816-827.	1.9	5
2	Species distribution, hybridization and connectivity in the genus <i>Chionodraco</i> : Unveiling unknown icefish diversity in antarctica. Diversity and Distributions, 2021, 27, 766-783.	1.9	10
3	Spatial asymmetry of the paternity success in nests of a fish with alternative reproductive tactics. Scientific Reports, 2021, 11, 3091.	1.6	3
4	Low impact of different SNP panels from two building-loci pipelines on RAD-Seq population genomic metrics: case study on five diverse aquatic species. BMC Genomics, 2021, 22, 150.	1.2	7
5	Historical biogeography of smoothhound sharks (genus <i>Mustelus</i> ) of Southern Africa reveals multiple dispersal events from the Northern Hemisphere. Systematics and Biodiversity, 2020, 18, 633-645.	0.5	4
6	Chaotic genetic structure and past demographic expansion of the invasive gastropod <i>Tritia neritea</i> in its native range, the Mediterranean Sea. Scientific Reports, 2020, 10, 21624.	1.6	2
7	Contrasting life-history traits of two sympatric smooth-hound species: implication for vulnerability. Journal of Fish Biology, 2020, 96, 853-857.	0.7	5
8	A population genomics insight by 2b-RAD reveals populations' uniqueness along the Italian coastline in <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae). Diversity and Distributions, 2019, 25, 1101-1117.	1.9	16
9	A Genome-Wide Approach to the Phylogeography of the Mussel <i>Mytilus galloprovincialis</i> in the Adriatic and the Black Seas. Frontiers in Marine Science, 2019, 6, .	1.2	18
10	Population genomics and phylogeography of a benthic coastal shark ( <i>Scyliorhinus canicula</i> ) using 2b-RAD single nucleotide polymorphisms. Biological Journal of the Linnean Society, 2019, 126, 289-303.	0.7	15
11	Strong genetic isolation despite wide distribution in a commercially exploited coastal shark. Hydrobiologia, 2019, 838, 121-137.	1.0	6
12	Connectivity Among Populations of the Top Shell <i>Gibbula divaricata</i> in the Adriatic Sea. Frontiers in Genetics, 2019, 10, 177.	1.1	6
13	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.	2.0	26
14	Spatial structuring and life history connectivity of Antarctic silverfish along the southern continental shelf of the Weddell Sea. Marine Ecology - Progress Series, 2019, 624, 195-212.	0.9	8
15	Genetic variability of the striped venus <i>Chamelea gallina</i> in the northern Adriatic Sea. Fisheries Research, 2018, 201, 68-78.	0.9	11
16	Early life history connectivity of Antarctic silverfish ( <i>Pleuragramma antarctica</i> ) in the Ross Sea. Fisheries Oceanography, 2018, 27, 274-287.	0.9	15
17	Resolving the ambiguities in the identification of two smooth-hound sharks ( <i>Mustelus mustelus</i> and <i>M. mannis</i> ) using mitochondrial DNA. Diversity and Distributions, 2018, 24, 1101-1117.	0.3	19
18	Along-shelf connectivity and circumpolar gene flow in Antarctic silverfish ( <i>Pleuragramma antarctica</i> ) revealed by population genomics. Molecular Ecology, 2018, 29, 1062-1074.	1.6	18

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19	Mediterranean Bioconstructions Along the Italian Coast. <i>Advances in Marine Biology</i> , 2018, 79, 61-136.	0.7	142
20	Population genomics of an endemic Mediterranean fish: differentiation by fine scale dispersal and adaptation. <i>Scientific Reports</i> , 2017, 7, 43417.	1.6	83
21	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.	0.8	43
22	Fast genetic identification of the Beluga sturgeon and its sought-after caviar to stem illegal trade. <i>Food Control</i> , 2017, 75, 145-152.	2.8	19
23	Potential and realized connectivity of the seagrass <i>Posidonia oceanica</i> and their implication for conservation. <i>Diversity and Distributions</i> , 2017, 23, 1423-1434.	1.9	33
24	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
25	Contemporary genetic structure and postglacial demographic history of the black scorpionfish, <i>Scorpaena porcus</i> , in the Mediterranean and the Black Seas. <i>Molecular Ecology</i> , 2016, 25, 2195-2209.	2.0	29
26	Unravelling population genetic structure with mitochondrial DNA in a notional panmictic coastal crab species: sample size makes the difference. <i>BMC Evolutionary Biology</i> , 2016, 16, 150.	3.2	35
27	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.	0.7	8
28	Multiple paternity and hybridization in two smooth-hound sharks. <i>Scientific Reports</i> , 2015, 5, 12919.	1.6	26
29	Genomic Resources Notes accepted 1 April 2015 – 31 May 2015. <i>Molecular Ecology Resources</i> , 2015, 15, 1256-1257.	2.2	4
30	Genetic differentiation in the ice-dependent fish <i>Pleuragramma antarctica</i> along the Antarctic Peninsula. <i>Journal of Biogeography</i> , 2015, 42, 1103-1113.	1.4	16
31	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.	0.4	8
32	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.	0.9	23
33	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.	1.0	18
34	First Evidence of Inbreeding, Relatedness and Chaotic Genetic Patchiness in the Holoplanktonic Jellyfish <i>Pelagia noctiluca</i> (Scyphozoa, Cnidaria). <i>PLoS ONE</i> , 2014, 9, e99647.	1.1	36
35	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.	1.2	12
36	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.	2.0	47

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37	Phylogeography and demographic history of two widespread Indo-Pacific mudskippers (Gobiidae: Tj ETQq1 1 0.784314 rgBT/Overlo	1.2	18
38	Understanding the effectiveness of marine protected areas using genetic connectivity patterns and Lagrangian simulations. Diversity and Distributions, 2013, 19, 1531-1542.	1.9	74
39	Evidence for past and present hybridization in three Antarctic icefish species provides new perspectives on an evolutionary radiation. Molecular Ecology, 2013, 22, 5148-5161.	2.0	29
40	Putative selected markers in the Chionodraco genus detected by interspecific outlier tests. Polar Biology, 2013, 36, 1509-1518.	0.5	9
41	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 April 2013â€“31 May 2013. Molecular Ecology Resources, 2013, 13, 966-968.	2.2	19
42	Genome Evolution in the Cold: Antarctic Icefish Muscle Transcriptome Reveals Selective Duplications Increasing Mitochondrial Function. Genome Biology and Evolution, 2013, 5, 45-60.	1.1	56
43	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.	1.2	32
44	Detecting genome-wide gene transcription profiles associated with high pollution burden in the critically endangered European eel. Aquatic Toxicology, 2013, 132-133, 157-164.	1.9	26
45	A resource of genome-wide single-nucleotide polymorphisms generated by RAD tag sequencing in the critically endangered European eel. Molecular Ecology Resources, 2013, 13, 706-714.	2.2	72
46	Sequencing and Characterization of Striped Venus Transcriptome Expand Resources for Clam Fishery Genetics. PLoS ONE, 2012, 7, e44185.	1.1	23
47	Assessing Dispersal Patterns of Fish Propagules from an Effective Mediterranean Marine Protected Area. PLoS ONE, 2012, 7, e52108.	1.1	54
48	Ancient climate change, antifreeze, and the evolutionary diversification of Antarctic fishes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3434-3439.	3.3	291
49	Phylogenetic relationships and demographic histories of the Atherinidae in the Eastern Atlantic and Mediterranean Sea re-examined by Bayesian inference. Molecular Phylogenetics and Evolution, 2012, 63, 857-865.	1.2	7
50	Surviving in a toxic world: transcriptomics and gene expression profiling in response to environmental pollution in the critically endangered European eel. BMC Genomics, 2012, 13, 507.	1.2	68
51	Population genetic structure and gene flow patterns between populations of the Antarctic icefish <i>Chionodraco rastrospinosus</i> . Journal of Biogeography, 2012, 39, 1361-1372.	1.4	27
52	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2011 â€“ 31 January 2012. Molecular Ecology Resources, 2012, 12, 570-572.	2.2	23
53	Mitochondrial Function in Antarctic Nototheniids with ND6 Translocation. PLoS ONE, 2012, 7, e31860.	1.1	30
54	Body Size Correlates with Fertilization Success but not Gonad Size in Grass Goby Territorial Males. PLoS ONE, 2012, 7, e46711.	1.1	8

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55	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2010-30 November 2010. <i>Molecular Ecology Resources</i> , 2011, 11, 418-421.	2.2	43
56	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.	1.1	44
57	No apparent genetic bottleneck in the demographically declining European eel using molecular genetics and forward-time simulations. <i>Conservation Genetics</i> , 2011, 12, 813-825.	0.8	30
58	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.	0.4	3
59	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
60	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.	1.2	41
61	Genetic patchiness in European eel adults evidenced by molecular genetics and population dynamics modelling. <i>Molecular Phylogenetics and Evolution</i> , 2011, 58, 198-206.	1.2	23
62	The Effect of Recurrent Floods on Genetic Composition of Marble Trout Populations. <i>PLoS ONE</i> , 2011, 6, e23822.	1.1	37
63	Sequencing, de novo annotation and analysis of the first <i>Anguilla anguilla</i> transcriptome: EeelBase opens new perspectives for the study of the critically endangered european eel. <i>BMC Genomics</i> , 2010, 11, 635.	1.2	83
64	Genetic heterogeneity in populations of the Mediterranean shore crab, <i>Carcinus aestuarii</i> (Decapoda). <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	0.9	18
65	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). <i>Molecular Phylogenetics and Evolution</i> , 2010, 56, 1040-1050.	1.2	32
66	Inferring the demographic history of the Adriatic <i>Flexopecten</i> complex. <i>Molecular Phylogenetics and Evolution</i> , 2010, 57, 942-947.	1.2	17
67	Genetics of Northern Krill ( <i>Meganyctiphanes norvegica</i> Sars). <i>Advances in Marine Biology</i> , 2010, 57, 41-57.	0.7	4
68	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.	3.3	94
69	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2009-31 January 2010. <i>Molecular Ecology Resources</i> , 2010, 10, 576-579.	2.2	56
70	Antarctic climate change and the environment. <i>Antarctic Science</i> , 2009, 21, 541-563.	0.5	195
71	Quaternary history and contemporary patterns in a currently expanding species. <i>BMC Evolutionary Biology</i> , 2009, 9, 220.	3.2	83
72	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.	2.0	7

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73	Genetic composition of Atlantic and Mediterranean recruits of European eel <i>Anguilla anguilla</i> based on EST-linked microsatellite loci. <i>Journal of Fish Biology</i> , 2009, 74, 2034-2046.	0.7	26
74	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.	2.2	10
75	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.	2.2	5
76	Characterization of polymorphic microsatellite loci in the marine isopod <i>Sphaeroma terebrans</i> (Crustacea, Isopoda). <i>Molecular Ecology Resources</i> , 2009, 9, 1229-1231.	2.2	2
77	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.	0.9	25
78	Genetic differentiation in the winter pine processionary moth ( <i>Thaumetopoea pityocampa</i> - wilkinsoni) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.6	103
79	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.	2.2	6
80	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.	0.9	48
81	Adaptive peaks in a flat-fish: Adaptive divergence overcoming gene flow. <i>Heredity</i> , 2007, 99, 565-566.	1.2	10
82	Phylogeography of the pine processionary moth <i>Thaumetopoea wilkinsoni</i> in the Near East. <i>Molecular Ecology</i> , 2007, 16, 2273-2283.	2.0	47
83	Isolation and characterization of eight microsatellite loci in the icefish <i>Chaenocephalus aceratus</i> (Perciformes, Notothenioidae, Channichthyidae). <i>Molecular Ecology Notes</i> , 2007, 7, 791-793.	1.7	10
84	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.	0.5	16
85	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.	1.0	8
86	Extensive screening of sturgeon genomes by random screening techniques revealed no sex-specific marker. <i>Aquaculture</i> , 2006, 258, 685-688.	1.7	61
87	Isolation and characterization of microsatellites in <i>Pachygrapsus marmoratus</i> (Grapsidae; Decapoda;) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	9
88	Isolation and characterization of microsatellite loci in the icefish <i>Chionodraco rastrospinosus</i> (Perciformes, Notothenioidae, Channichthyidae). <i>Molecular Ecology Notes</i> , 2006, 6, 207-209.	1.7	12
89	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
90	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

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91	Isolation and characterization of microsatellite loci from yellowtail <i>Seriola dumerilii</i> (Perciformes: Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.7	2
92	Demographic history and population structure of the Antarctic silverfish <i>Pleuragramma antarcticum</i> . <i>Molecular Ecology</i> , 2006, 15, 4499-4511.	2.0	61
93	Isolation and characterization of microsatellites in <i>Zosterisessor ophiocephalus</i> (Perciformes,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.7	11
94	Identification and characterization of microsatellite markers in Hermann's tortoise (Testudo) Tj ETQq0 0 0 rgBT /Overlock 10	1.7	26
95	Isolation of seven polymorphic microsatellites in <i>Ophioblennius atlanticus atlanticus</i> (Perciformes,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.7	0
96	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.	0.7	17
97	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.	0.9	48
98	Phylogeography of the <i>Chionodraco</i> genus (Perciformes, Channichthyidae) in the Southern Ocean. <i>Molecular Phylogenetics and Evolution</i> , 2003, 28, 420-429.	1.2	30
99	Nonconcordant evolutionary history of maternal and paternal lineages in Adriatic sturgeon. <i>Molecular Ecology</i> , 2003, 12, 3253-3264.	2.0	63
100	Directional postcopulatory sexual selection revealed by artificial insemination. <i>Nature</i> , 2003, 421, 360-363.	13.7	249
101	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
102	Strategies for microsatellite isolation: a review. <i>Molecular Ecology</i> , 2002, 11, 1-16.	2.0	1,593
103	The use of AFLP in sturgeon identification. <i>Journal of Applied Ichthyology</i> , 2002, 18, 286-289.	0.3	25
104	Identification of interspecific hybrids by amplified fragment length polymorphism: the case of sturgeon. <i>Molecular Ecology</i> , 2001, 10, 2355-2359.	2.0	66
105	Biodiversity at Ecogenetic Level in Three Species of Beach Fleas. , 2001, , 391-398.		0
106	Molecular zoogeography of Antarctic euphausiids and notothenioids: from species phylogenies to intraspecific patterns of genetic variation. <i>Antarctic Science</i> , 2000, 12, 259-268.	0.5	53
107	Novel microsatellite loci isolated from the northern krill, <i>Meganyctiphanes norvegica</i> (Crustacea,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	5
108	Genetic differentiation in a pelagic crustacean ( <i>Meganyctiphanes norvegica</i> : Euphausiacea) from the North East Atlantic and the Mediterranean Sea. <i>Marine Biology</i> , 2000, 136, 191-199.	0.7	97

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109	Mitochondrial Phylogeny of Notothenioids: A Molecular Approach to Antarctic Fish Evolution and Biogeography. <i>Systematic Biology</i> , 2000, 49, 114-129.	2.7	149
110	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.	0.7	55
111	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.	0.8	93
112	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.	1.2	83